

SVEUČILIŠTE U ZAGREBU PRIRODOSLOVNO-MATEMATIČKI FAKULTET
UNIVERSITY OF ZAGREB FACULTY OF SCIENCE

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KATALOG ZNANSTVENE OPREME I RAČUNALNIH PROGRAMA

SCIENTIFIC EQUIPMENT AND COMPUTER SOFTWARE CATALOGUE

ZADNJA PROMJENA (LAST CHANGE): 2018-02-01 09:32:00

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Biološki odsjek / Department of Biology

Naziv/Name:	Adobe Acrobat Pro 2017
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Adobe Acrobat Pro 2017

Tehničke karakteristike/ Technical characteristics:	
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	1.873,75 kn
Usluge/Services:	softver za upravljanje PDF dokumentima/PDF document management software
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Andjelka Plenković-Moraj +385 (0)1 48 777 07 andjelka.plenkovic-moraj@biol.pmf.hr

Naziv/Name:	ANALITIČKA VAGA PRECISA 62A / ANALYTICAL SCALE PRECISA 62A
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	- važe max. 60 g / valid max. 60 g - inox ploča / inox plate - stakleni pokrov / glass hood
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	
Usluge/Services:	- vaganje malih količina
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	Armfield aerator
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za mikrobiologiju/Division of microbiology Rooseveltov trg 6
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	pleksiglas cilinadar volumena: 27L mješalica snage 50W aerator 12L/min Tank capacity: 27l Flow meter range: 12L/min
Godina proizvodnje/ Year of manufacture:	2007.
Cijena/ Price:	135.000,00kn
Usluge/Services:	pročišćavanje otpadnih voda water treatment
Radno vrijeme/ Working hours:	8-16h
Kontakt/Contact:	Renata Horvat +385(0)1 4877 746 renata.horvat@biol.pmf.hr

Naziv/Name:	Autoklav All American steriliser 25X
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Kapacitet / Capacity: 24 L Maksimalni tlak / Maximum pressure: 1,3 bar Maksimalna temperatura / Maximum temperature : 126°C
Godina proizvodnje/ Year of manufacture:	2010.
Cijena/ Price:	5000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Sunčica Bosak +385 1 48 777 16 suncica.bosak@biol.pmf.hr

Naziv/Name: AUTOKLAV KAMBIČ A-21 / AUTOCLAVE KAMBIČ A-21

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology
ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF
MICROBIOLOGY & DIVISION OF BOTANY

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- sterilizacija na temp. 101-135°C / sterilization at temp. 101-135 ° C
- opcija sušenja / drying option
- sigurnosni termostat / safety thermostat
- 2 inox košare za sterilizaciju / 2 stainless steel baskets for sterilization
- podešavanje 3 različita programa / adjust 3 different programs

**Godina proizvodnje/
Year of manufacture:** 2002

**Cijena/
Price:**

Usluge/Services:

- sterilizacija svih vrsta materijala u području sterilizacije do 135°C / sterilization of all types of material in sterilization up to 135 ° C
- sterilizacija tekućina / sterilization of Liquids

**Radno vrijeme/
Working hours:** 8-16

Kontakt/Contact: DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	Autoklav Nanbei TM-XD50D
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Volumen / Volume : 50 L Radni pritisak / Working pressure : 0,22 Mpa Radna temperatura / Working temperature : 105°C – 134°C Moguća duljina autoklaviranja / Time : 0-99 m
Godina proizvodnje/ Year of manufacture:	2016.
Cijena/ Price:	53000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	Autoklav Sutjeska
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Volumen / Volume : 70 L Radni tlak / Working pressure : 0-2,5 bar
Godina proizvodnje/ Year of manufacture:	1990 g.
Cijena/ Price:	40000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name: Binder sušionik / Binder heating oven

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

**Godina proizvodnje/
Year of manufacture:** 2005

**Cijena/
Price:**

Usluge/Services:

**Radno vrijeme/
Working hours:** 8.00-17.00

Kontakt/Contact: Tatjana Bakran Petricioli
+385(0)1 4877 718
tatjana.bakran-petricioli@biol.pmf.hr

Naziv/Name: Biorad - Gradient Thermal Cycler (PCR) 96 plate

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology
Zoologijski Zavod/Division of Zoology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Thermal cycler with thermal gradient option. Capacity 96 plate

**Godina proizvodnje/
Year of manufacture:** 2010

**Cijena/
Price:** 47.724,00 HRK

Usluge/Services: Lančana reakcija polimerazom/PCR

**Radno vrijeme/
Working hours:** 10-14

Kontakt/Contact: Damjan Franjević
+385 1 48 77 757
damianf@biol.pmf.hr

Naziv/Name:	Centrifuga DuPont Sorwall RC-5B/centrifuge DuPont Sorwall RC-5B
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of Molecular Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Centrifuga 15-500ml, 1-20000 rpm, 0-30 °C /centrifuge 15-500ml, 1-20000 rpm, 0-30 °C
Godina proizvodnje/ Year of manufacture:	1991
Cijena/ Price:	Donirano/donated
Usluge/Services:	-
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Dubravko Pavoković +385 1 4606 267 dubravko@biol.pmf.hr

Naziv/Name:	Centrifuga (Eppendorf 5804R)/Centrifuge (Eppendorf 5804R)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of Molecular Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">• fixed-angle rotor za volumene od 1,5 i 2 mL maksimalne brzine 20,913 × g/fixed-angle rotor with adapters for tube formats of 1.5 and 2 mL, maximum speed 20,913 × g• swing-bucket rotor za volumene od 15 i 50 mL maksimalne brzine 4,500 × g/swing-bucket rotor with adapters for tube formats of 15 and 50 mL, maximum speed 20,913 × g• temperaturni raspon od -9 °C do 40 °C/temperature range from -9° to +40 °C
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	61.830,00 kn
Usluge/Services:	<ul style="list-style-type: none">• centrifugiranje bioloških (biljnih i animalnih) uzoraka/centrifugation of biological samples (plant and animal)• upotreba u istraživanjima i nastavi/for research and educational purposes
Radno vrijeme/ Working hours:	09:00-16:00 h
Kontakt/Contact:	Renata Biba +385(0)1 4826 268

renata.biba@biol.pmf.hr

Petra Cvjetko

+385(0)1 4826 269

petra.cvjetko@biol.pmf.hr

Naziv/Name:	Centrifuga Centurion Scientific K3 series
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Očitanje / Readability Brzina / Speed - 500 - 15,000 rpm Sustav zaključavanja višeslojnog poklopca s detektorom za zaključavanje poklopca / Multi-point lid locking system with lid lock detector Kapacitet / Capacity – 1000 ml
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	37500 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Sunčica Bosak +385 1 48 777 16 suncica.bosak@biol.pmf.hr

Naziv/Name: CENTRIFUGA EPPENDORF 5804R / CENTRIFUGE EPPENDORF 5804R

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology
ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF
MICROBIOLOGY & DIVISION OF BOTANY

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Temperaturni raspon od -9 ° do + 40 ° C, uz funkciju "Brzo hlađenje" za brzo hlađenje komore centrifuge / Temperature range from -9° to +40°C, with "Fast Cool" function for rapid cooling of the centrifuge chamber
- održava temperaturu kada nije u uporabi /Standby cooling maintains temperature when not in use
- Prilagodljiva brzina kratkog spin gumba/ Adjustable speed short spin button for quick runs
- Ugrađeni odvod kondenzata za uklanjanje akumulacije vode i sprečavanje korozije / Built-in condensation drain to eliminate water accumulation and prevent corrosion
- Vrtnja od 200 rpm do 14 000 rpm (20,817 x G) u intervalima od 10 okr / min / Spin from 200rpm to 14,000rpm (20,817xG) in increments of 10rpm

**Godina proizvodnje/
Year of manufacture:**

Cijena/Price:

Usluge/Services:

- razdvajanje vodenih otopina i suspenzija različitih gustoća u odobrenim epruvetama i pločicama / separating aqueous solutions and suspensions of various densities in approved test tubes and plates

**Radno vrijeme/
Working hours:**

8-16

Kontakt/Contact: DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	Centrifuga Heraeus Labofuge 200
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Maksimalni kapacitet / Max. capacity : 4 x 250 mL Maksimalna brzina okretaja / Max. speed : 5300 rpm Minimalna brzina okretaja / Min. speed : 1600 rpm
Godina proizvodnje/ Year of manufacture:	2000. g.
Cijena/ Price:	10000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	CENTRIFUGA HETTICH MIKRO 220R
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	-max. brzina /max. speed: 12000(min ⁻¹) - hlađenje/ cooling - za epruvete / tubes: 1,5 i 2 ml
Godina proizvodnje/ Year of manufacture:	2010
Cijena/ Price:	
Usluge/Services:	centrifugiranje
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name: Centrifuga laboratorijska s dodacima Hettich® Universal 320R / Hettich® Universal 320/320R centrifuge

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology
Zavod za molekularnu biologiju/Division of molecular biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Maks. brzina / max. speed RPM: 15'000 ; RCF: 21'382
Težina / weight: 31 kg
Hlađenje / Refrigeration Zračno hlađenje/ Air cooling
Temperaturni interval / Infinitely variable from -20 °C to +40 °C

**Godina proizvodnje/
Year of manufacture:** 2007

**Cijena/
Price:** 26.158,00 kn

Usluge/Services:

**Radno vrijeme/
Working hours:** 08:00-16:00 h

Kontakt/Contact: Inga Marijanović
+385(0)1 4826 275
inga.marijanovic@biol.pmf.hr

Naziv/Name:	Centrifuga Mixtasel
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Maksimalna brzina okretaja / Max. Speed : 4200 rpm Maksimalni kapacitet / Max. Capacity: 400 ml
Godina proizvodnje/ Year of manufacture:	2000.
Cijena/ Price:	14000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Sunčica Bosak +385 1 48 777 16 suncica.bosak@biol.pmf.hr

Naziv/Name:	Centrifuga s hlađenjem Eppendorf 5430R + Rotor F-35-6-30, FA-45-30-11 i A-2-MTP/ Eppendorf Cooling Centrifuge 5430R + Rotor F-35-6-30, FA-45-30-11 and A-2-MTP
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of Molecular Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Maksimalna brzina centrifuge je 30,130 × g/The maximum RCF speed is 30,130 × g - Temperaturni rang centrifuge je od -11 °C do 40 °C/Temperature control range if from -11 °C to 40 °C - Automatsko prepoznavanje rotora i ne-balansa/Automatic rotor recognition and imbalance detection
Godina proizvodnje/ Year of manufacture:	2017.
Cijena/ Price:	57 000 kn BEZ PDV-a
Usluge/Services:	<ul style="list-style-type: none"> - Centrifuga se koriste za centrifugiranje stanica, bakterija, proteinskih i DNA/RNA izolata/ Centrifuge is used to centrifuge cells, bacteria, protein and DNA / RNA isolates
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Goran Josipović +385(0)1 460 6456

goran.josipovic@biol.pmf.hr

Naziv/Name:	Centrifuga Sigma 3-18K
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply – 230 V/50 Hz Maksimalni kapacitet / Max. Capacity – 4 x 250 ml Maksimalna brzina okretaja / Max. Speed – 18.000 rpm Minimalna brzina okretaja / Min. Speed – 100 rpm Raspon temperature / Temperature range : -20°C up to 40°C
Godina proizvodnje/ Year of manufacture:	2010. g.
Cijena/ Price:	57000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	Centrifuga Sigma 3k 18
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply – 230 V/50 Hz Maksimalni kapacitet / Max. Capacity – 4 x 200 ml Maksimalna brzina okretaja / Max. Speed – 18.000 rpm Minimalna brzina okretaja /Min. Speed – 100 rpm
Godina proizvodnje/ Year of manufacture:	1999. g.
Cijena/ Price:	55000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name: Centrifuga Sigma 4-16KS/Centrifuge Sigma 4-16KS

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology (posuđeno s Agronomskog fakulteta/borrowed from the Faculty of Agriculture)

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** 15000 o/min, 25155 g, maksimalni volumen 4 x 750 ml, Temperaturni raspon -20 – +60 °C , Programa 60/15.000 rpm, 25.155 g, Max. Capacity 4 x 750 ml, Temperature setting range -20 – +60 [°C, Programs 60

**Godina proizvodnje/
Year of manufacture:** 2012

**Cijena/
Price:** 80000 kn

Usluge/Services: Centrifugiranje tekućina/Liquid centrifugation

**Radno vrijeme/
Working hours:** Ponedjeljak – petak 9-16h/ Monday - Friday 9-16h

Kontakt/Contact: Prof. dr. sc. Zlatko Liber/Zlatko Liber, Full Professor

Naziv/Name:	Centrifuga stolna Rotofix 32 A, Hettich / Benchtop Centrifuge Rotofix 32A, Hettich
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<p>Stolna centrifuga za jednostavnu pripremu uzoraka u znanstvenim i kliničkim laboratorijima.</p> <ul style="list-style-type: none">- ukupne dimenzije: 368x437x261 mm- maksimalna brzina: 6000 0/min- minimalna brzina: 500 o/min- maksimalna RCF: 4105 x g- minimalna RCF: 29 x g- rotor: swing out , 8 mjesta <p>/</p> <p>Benchtop centrifuge for preparation of samples in research and clinical laboratories.</p> <ul style="list-style-type: none">- overall dimensions:368x437x261 mm- maximum speed: 6000 0/min- minimum speed: 500 o/min- maximum RCF: 4105 x g- minimum RCF: 29 x g- the housing and the lid are of metal construction and the centrifuging chamber is of non-rusting stainless steel
Godina proizvodnje/ Year of manufacture:	2016.

Cijena/ Price:	21.325,31 kn
Usluge/Services:	<p>Ova oprema je dio projekta koji je primio sredstva od Europske unije iz programa za istraživanje i inovaciju Obzor2020 u okviru sporazuma o dodjeli bespovratnih sredstava N° 681103, projekt Bio-Chip. Tijekom trajanja projekta BioChip (do kraja 2019. godine) oprema se smije koristiti isključivo za potrebe projekta od strane osoba zaposlenih na projektu.</p> <p>/</p> <p>This equipment is part of a project that has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement N° 681103. During the duration of the H2020 project Bio-Chip (end of 2019), this equipment may be used solely for the needs of the project and by personnel employed on the project.</p>
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	<p>Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr</p> <p>Maja Pušić +385(0)1 4826 271 maja.pusic@biol.pmf.hr</p>

Naziv/Name:	Centrifuga-Rotor dvokraki Hettich 1460 / Centrifuge Swing-out Rotor Hettich 1460
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Rotor za dvije 4 µL mikropločice (4000 rpm max) bez nosača; za upotrebu sa Hettich Universal 320 / 320R centrifugom / Swing-out rotor for 2-place 4 µL microplates (4000 rpm max) without carriers; for use with Hettich Universal 320 / 320R centrifuge
Godina proizvodnje/ Year of manufacture:	2012
Cijena/ Price:	6.238,13 kn
Usluge/Services:	Centrifugiranje mikropločica / microplates centrifuge
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr

Naziv/Name:	CO₂ inkubator Panasonic MCO-170AICUV-PE /CO₂ incubator Panasonic MCO-170AICUV-PE
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> • dvostruki IR CO₂ senzor • DHA temperaturna izolacija • LCD zaslon • jedinstvena sterilizacija komore koristeći H₂O₂ aerosol • kapacitet 165 L 	<ul style="list-style-type: none"> • Dual IR CO₂ sensor • DHA Direct heat and air jacket system • LCD touch screen • H₂O₂ Decontamination board • volume 165 L
Godina proizvodnje/ Year of manufacture:	2017	
Cijena/ Price:	67.500,00 kn	
Usluge/Services:	/	
Radno vrijeme/ Working hours:	/	
Kontakt/Contact:	Josip Madunić +385 (0)1 4606 456 jmadunic.biol@pmf.hr	

Naziv/Name:	CO₂ inkubator Panasonic MCO-230AICUV-PE/ CO₂ incubator Panasonic MCO-230AICUV-PE
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> • dvostruki IR CO₂ senzor • DHA temperaturna izolacija • LCD zaslon • jedinstvena sterilizacija komore koristeći H₂O₂ aerosol • kapacitet 230 L 	<ul style="list-style-type: none"> • Dual IR CO₂ sensor • DHA Direct heat and air jacket system • LCD touch screen • H₂O₂ Decontamination board • volume 230 L
Godina proizvodnje/ Year of manufacture:	2016	
Cijena/ Price:	55.000,00 kn	
Usluge/Services:	/	
Radno vrijeme/ Working hours:	/	
Kontakt/Contact:	Josip Madunić +385 (0)1 4606 456 jmadunic.biol@pmf.hr	

Naziv/Name:	CO2 Inkubator za staničnu kulturu Heracell 150/ CO2 Incubator Heracell 150
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Inkubator za staničnu kulturu održava konstantnu temperaturu i visoku vlažnost za rast stanica pod utjecajem CO2 / Cell culture incubator maintains a constant temperature and high humidity for the growth of tissue culture cells under a CO2 https://www.labmakelaar.com/fjc_documents/7822_HERAcCell%20150%20CO2%20incubator-1.PDF
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	
Usluge/Services:	Uzgoj stanica ljudskog i životinjskog porijekla / Human and animal cell culturing
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 inga.marijanovic@biol.pmf.hr

Naziv/Name:	CO₂/O₂ Inkubator MCO-19MUVS Panasonic Biomedical/ CO₂/O₂ Incubator MCO-19MUVS Panasonic Biomedical
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

Inkubator za staničnu kulturu održava konstantnu temperaturu i visoku vlažnost za rast stanica pod utjecajem CO₂ i O₂.

- unutarnje dimenzije (Š x D x V): 490 x 523 x 665 mm
- vanjske dimenzije(Š x D x V): 620 x 710 x 900 mm
- težina: 95 kg
- mikroprocesorska kontrola temperature, CO₂, O₂ i vlage
- CO₂ područje: 0-20 % (fluktuacija (±0,15 %)
- CO₂ senzor
- O₂ područje: 1-18%, 22-80%
- Namještanje O₂ po ±0,2%
- Temperaturno područje: od +5°C do +50°C
- Volumen: 162 l
- Temperature fluktuacije: ±0,1 °C
- Vlažnost do: 95%RH ±5%

/

Cell culture incubator maintains a constant temperature and high humidity for the growth of tissue culture cells under a CO₂ and O₂ atmosphere.

- exterior dimensions (W x D x H): 620 x 710 x 900 mm
- interior dimensions (W x D x H):490 x 523 x 665 mm
- weight: 95 kg
- processor control of temperature, CO₂, O₂ and humidity

	<ul style="list-style-type: none">- CO2 control range: 0% to 20% (variation:±0.15%)-CO2 sensor- oxygen control range:1-18% , 22-80%, ±0.2%;- ±0.2%; stabilized Zirconia Sensor- temperature control range : +5°C to +50°C- interior volume: 162 L- temperature uniformity: ±0.1°C-humidity: 95 %RH ±5%
Godina proizvodnje/ Year of manufacture:	2015.
Cijena/ Price:	85.562,50 kn
Usluge/Services:	<p>Oprema je dio projekta koji je primio sredstva od Europske unije iz programa za istraživanje i inovaciju Obzor2020 u okviru sporazuma o dodjeli bespovratnih sredstava N° 681103, projekt Bio-Chip. Tijekom trajanja projekta BioChip (do kraja 2019. godine) oprema se smije koristiti isključivo za potrebe projekta od strane osoba zaposlenih na projektu.</p> <p>/</p> <p>This equipment is part of a project that has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement N° 681103. During the duration of the H2020 project Bio-Chip (end of 2019), this equipment may be used solely for the needs of the project and by personnel employed on the project.</p>
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr Maja Pušić +385(0)1 4826 271 maja.pusic@biol.pmf.hr

Naziv/Name:	DCode system for TTGE
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski Zavod/Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Universal Mutation Detection System
Godina proizvodnje/ Year of manufacture:	2012
Cijena/ Price:	71.523,10 HRK
Usluge/Services:	Detection of single point mutations
Radno vrijeme/ Working hours:	10-14
Kontakt/Contact:	Damjan Franjević +385 1 48 77 757 damianf@biol.pmf.hr

Naziv/Name:	Deionizator Niro VV - Atlantic - 10
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Brzina izlaza vode/ Water flow speed: 10 L/h
Godina proizvodnje/ Year of manufacture:	2011. g
Cijena/ Price:	18900 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	DEIONIZATOR STAKPURE
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	-UV lampa
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	33830
Usluge/Services:	-ultra čista voda tipa I - čista voda tipa II
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	DIGITAL VAGA RADWAG WLC 1-A2/DIGITAL SCALE RADWAG WLC 1-A2
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Očitanje / Readability : 0,01 g Kapacitet vaganja / Weighing capacity : 1000 g
Godina proizvodnje/ Year of manufacture:	2015.
Cijena/ Price:	1.800,00
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00-15:00
Kontakt/Contact:	Sara Essert +385 1 48-95-567 sara.essert@biol.pmf.hr

Naziv/Name: DIGITALNA VAGA KERN ALS 220-4N / DIGITAL SCALE KERN ALS 220-4N

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Očitanje / Readability : 0,1 mg
Kapacitet vaganja / Weighing capacity : 220 g
Veličina mjerne plohe / Pan size : 85 mm Ø
Prosjek vremena stabilizacije / Response time average : 4 s

**Godina proizvodnje/
Year of manufacture:** 2015.

**Cijena/
Price:** 787,50

Usluge/Services: -

**Radno vrijeme/
Working hours:** 09:00-15:00

Kontakt/Contact: Sara Essert
+385 1 48-95-567
sara.essert@biol.pmf.hr

Naziv/Name:	DIGITALNA VAGA SARTORIUS BJ150S/DIGITAL SCALE SARTORIUS BJ150S
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Očitanje / Readability : 0,001 g Kapacitet vaganja / Weighing capacity : 150 g Veličina mjerne plohe / Pan size : 116 mm Ø Prosjeck vremena stabilizacije / Response time average : 1,5 s
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	12.545,00
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00-15:00
Kontakt/Contact:	Sara Essert +385 1 48-95-567 sara.essert@biol.pmf.hr

Naziv/Name:	Dino-Lite digital microscope BASIC
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod /Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Dino-Lite Model: digital microscope BASIC Povećanje do 230x
Godina proizvodnje/ Year of manufacture:	2011
Cijena/ Price:	2.000,00 kn
Usluge/Services:	Terenska (džepna) digitalna lupa Field digital magnifier (ne usluge, već interno, u svrhu znanstvenog rada i nastave; not as a service, but internally for scientific work and teaching)
Radno vrijeme/ Working hours:	U pravilu od/in general: 8-16 h
Kontakt/Contact:	Goran Kovačević +385 1 6189702 goran.kovacevic@biol.pmf.hr

Naziv/Name:	Eppendorf - Centrifuga 5424
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski Zavod/Division of Zoology
Dostupnost/Availability:	Interno/Internally
	
Tehničke karakteristike/ Technical characteristics:	Aerosol-tight rotor lid (aluminum) 15,000 rpm 24 micro test tubes of 1.5/2.0 mL each or spin columns
Godina proizvodnje/ Year of manufacture:	2008
Cijena/ Price:	20.873,13 HRK
Usluge/Services:	Centrifugiranje
Radno vrijeme/ Working hours:	10-14
Kontakt/Contact:	Damjan Franjević +385 1 48 77 757 damianf@biol.pmf.hr

Naziv/Name: EPPENDORF MASTERCYCLER PERSONAL

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology
ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF
MICROBIOLOGY & DIVISION OF BOTANY

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- kapacitet: 1 mikrotitarska pločica ili 25 0,2 ml epruvetei ili 16 0,5 ml epruvete / sample capacity: 1 microtiter plate or 25 0,2 ml tubes or 16 0,5 ml tubes
- temperaturni raspon/ temperature range: 4-99
- broj programa / number of programs: 99

**Godina proizvodnje/
Year of manufacture:**

Cijena/Price:

Usluge/Services:

- amplifikacija nukleinskih kiselina upotrebom PCR/ amplification of nucleic acids using PCR
- umnažanje regija DNA lančanom reakcijom polimerazom (PCR)/ DNA amplification by the polymerase chain reaction (PCR)
- reverzna transkripcija RNA u cDNA (RT-PCR) / reverse transcription of RNA to cDNA (RT-PCR)
- reakcije razgradnje restrikcijskim enzimima (npr. za RFLP, AFLP i MSAP metode) / restriction enzyme digestion (like in RFLP, AFLP and MSAP methods)

**Radno vrijeme/
Working hours:**

8-16

Kontakt/Contact:

DIJANA ŠKORIĆ, 489-489-8079, dijana.skoric@biol.pmf.hr

Naziv/Name:	EthoVision XT Version 12.0.1138
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za animalnu fiziologiju/Division of animal physiology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Program za analizu ponašanja životinja Program for animal behaviour analysis
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	7942 €
Usluge/Services:	Analiza ponašanja životinja Analysis of animal behaviour
Radno vrijeme/ Working hours:	0800 - 1600
Kontakt/Contact:	Duje Lisičić TEL: +385 1 4877742 E MAIL: duje.lisicic@biol.pmf.hr

Naziv/Name:	Fitotron FitoClima 1200 PLH (Aralab) / Plant growth chamber FitoClima 1200 PLH (Aralab)
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Zavod za molekularnu biologiju / Division of molecular biology
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Uzgoj biljaka u kontroliranim uvjetima: podesiva temperatura, vlaga i svjetlosni intenzitet. U fitotronu se uzgajaju biljke na zemljanom supstratu ili na hranjivim podlogama u uvjetima <i>in vitro</i> / Plant growth in controlled conditions: adjustable temperature, humidity and light intensity. Plants can be grown either on a soil substrate or on defined media (<i>in vitro</i>)
Godina proizvodnje/ Year of manufacture:	2016
Cijena/ Price:	169.000,00 kn
Usluge/Services:	- / -
Radno vrijeme/ Working hours:	00:00-24:00 h
Kontakt/Contact:	Nenad Malenica +385 (1) 4606272 malenica@biol.pmf.hr

Naziv/Name:	FITOTRON
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- volumen 493 L / volume 493 L- raspon temperature 10 – 50 C/ temperature range 10 – 50 C- raspon vlage 30 – 90 % /humidity range 30 – 90 %- maksimalna svjetlost 15000 lux / maximal illumination power 15000 lux
Godina proizvodnje/ Year of manufacture:	2014
Cijena/ Price:	121162,50
Usluge/Services:	<ul style="list-style-type: none">- uzgoj aseptičnih kultura gljiva, kultura biljnih stanica i tkiva / aseptic cultures of fungi, plant cells and tissue cultures- - klijanje sjemena i slične aktivnosti gdje je potrebno održavanje stalnih uvjeta / seed germination and similar activities that demand maintainance of sonstant conditions
Radno vrijeme/ Working hours:	7-15
Kontakt/Contact:	MARIN JEŽIĆ, 489-8086, marin.jezic@biol.pmf.hr

Naziv/Name:	Flow tracker ADV
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<p>Prijenosni terenski instrument / Highly portable Koristi AA baterije / Operating on standard AA batteries LCD zaslon s prikazom brojnih real-time mjerenih varijabli / LCD screen displays numerous variables in real-time GPS koordinate lokaliteta /GPS marks the position Senzor pritiska s prikazom dubine / Optional pressure sensor displays depth Najveća frekvencija uzorkovanja / Max. sample rate-2 Hz Najmanja dubina mjerenja uzorka / Sample volume distance-10 cm Najmanji volumen uzorka / Sample volume size-0.2 5cc Najveća brzina / Max velocity-4.0 m/s</p>
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	113,998.00 kn
Usluge/Services:	<p>Jednostavan za korištenje / Easy-to-use Mjeri brzinu strujanja koristeći Dopplerov efekt/ Doppler Velocimeters Visoka razlučivost tijekom mjerenja brzine strujanja vode / High-resolution measurement of water velocity Precizna mjerenja i do dubine od 10cm / Precise measurement up to 10cm</p>

**Radno vrijeme/
Working hours:** 8.00-17.00

Kontakt/Contact: Marija Gligora Udovič
+98516189706
marija.gligora.udovic@biol.pmf.hr

Naziv/Name:	Fluorescencijski mikroskop Olmpus BX51/Fluorescence Microscope Olmpus BX51
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of Molecular Biology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:**

Fluorescencijski mikroskop koristi se za mikroskopiju u bijelom polju („brightfield“), fluorescencijsku mikroskopiju i kontrastnu mikroskopiju (DIC - Differential Interference Contrast). Opremljen je digitalnom kamerom Olympus DP70 i živinom lampom U-RFL-T./ The fluorescence microscope is used for microscopy in white field, fluorescence microscopy and contrast microscopy (DIC - differential interference). Equipped with Olympus DP70 digital camera and U-RFL-T lamp.

**Godina proizvodnje/
Year of manufacture:**

2003.

**Cijena/
Price:**

273.620,00 kn

Usluge/Services:

Fluorescencijska mikroskopija, analiza fluorescencijskih signala na kromosomima, imunodetekcija struktura u stanici s antitijelima, biljne, animalne i ljudske stanice/ fluorescent microscopy, analysis of fluorescent signals on chromosomes, immunodetection of the cell structures, plant, animal and human cells

**Radno vrijeme/
Working hours:**

08:00-16:00 h

Kontakt/Contact:

Višnja Besendorfer
+385 (1) 460 6272
Visnja.besendorfer@biol.pmf.hr

Naziv/Name: Fluorencijski mikroskop sa laserskim pobuđivanjem/ Fluorescence microscope with laser excitation

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- lasersko pobuđivanje u UV, crvenom spektru i zelenom spektru
- samo za akridnu oranž fluorescenciju
- nema filtera za druge fluorescencije
- nema kameru ni mogućnost snimanja
- laser excitation in UV, red and green spectre
- only acrid orange fluorescence
- no filters for other fluorescence
- no camera or recording ability

**Godina proizvodnje/
Year of manufacture:** 1980

**Cijena/
Price:**

Usluge/Services:

**Radno vrijeme/
Working hours:** 8-16 h

Kontakt/Contact: Anica Horvat Knežević
anica.horvat.knezevic@biol.pmf.hr
+385(0)1 4877 708

Naziv/Name: Fluorometar Qubit Chlorophyll fluorescence package

**Tip opreme/
Type of equipment:** Znanstvena oprema / Scientific equipment

Lokacija/Location: Biološki odsjek / Department of Biology
Botanički zavod / Division of Botany

Dostupnost/Availability: Interno / Internally



**Tehničke karakteristike/
Technical characteristics:** Električna opskrba / Electric supply – 230 V/50 Hz
Maksimalna stopa uzorkovanja /Maximum sampling rate: 50,000/s
LED svjetlosna ekscitacijska svjetlost / LED excitation light (660 nm peak)

**odina proizvodnje/
Year of manufacture:** 2007.

**Cijena/
Price:** 35000 kn

Usluge/Services: -

**Radno vrijeme/
Working hours:** 09:00 – 12:00

Kontakt/Contact: Martina Galeković
+385 1 4877 743
martina.galekovic@biol.pmf.hr

Naziv/Name:	FLUOSTAR OPTIMA BMG LABTECH
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	-mjerjenje apsorbancije i fluorescencije uzoraka/ measurement of absorbance and fluorescence of samples Filteri /filters: A-740, A-595, A-520, A-485, A-405, te 355 (exc) – 460 (em), 544 (exc) – 590 (em), 584 (exc) – 612 (em).
Godina proizvodnje/ Year of manufacture:	2004
Cijena/ Price:	195200,00
Usluge/Services:	-mjerjenje apsorbancije i fluorescencije uzoraka/ measurement of absorbance and fluorescence of samples
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	IVANA ŠOLA, 489-8094, ivana.sola@biol.pmf.hr

Naziv/Name:	Foxit PhantomPDF Business 8 EDU licenca
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally

Tehničke karakteristike/ Technical characteristics:	izrada i editiranje PDF dokumenata/ software for creating & editing PDF documents
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	495,03+PDV / kom.
Usluge/Services:	
Radno vrijeme/ Working hours:	8-16h
Kontakt/Contact:	Ivan Šetin +385 1 487 7723 ivan.setin@biol.pmf.hr

Naziv/Name:	GENEAMP PCR SYSTEM 2700
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

**Godina proizvodnje/
Year of manufacture:**

**Cijena/
Price:**

Usluge/Services:

- umnažanje regija DNA lančanom reakcijom polimerazom (PCR)/
DNA amplification by the polymerase chain reaction (PCR)
- reverzna transkripcija RNA u cDNA (RT-PCR) / reverse transcription
of RNA to cDNA (RT-PCR)
- reakcije razgradnje restrikcijskim enzimima (npr. za RFLP, AFLP i
MSAP metode) / restriction enzyme digestion (like in RFLP, AFLP
and MSAP methods)

**Radno vrijeme/
Working hours:** 8-16

Kontakt/Contact: DIJANA ŠKORIĆ, 489-489-8079, dijana.skoric@biol.pmf.hr

Naziv/Name:	GENEAMP THERMAL CYCLER 2720
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally
	
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - integrirani blok s 96 jažica/ integrated 96-well sample block - interni Peltier uređaj za grijanje / hlađenje/ internal Peltier heating/cooling unit - širok temperaturni raspon/ Wide temperature range: 4 °C to 99.9 °C - točnost/ Accuracy: ±0.25 °C from 35 °C to 99.9 °C - dugoročna stabilnost i visoka pouzdanost/ Long term stability and high reliability
Godina proizvodnje/Year of manufacture:	2017
Cijena/Price:	22993,90
Usluge/Services:	<ul style="list-style-type: none"> - amplifikacija nukleinskih kiselina upotrebom PCR/ amplification of nucleic acids using PCR - umnažanje regija DNA lančanom reakcijom polimerazom (PCR)/ DNA amplification by the polymerase chain reaction (PCR) - reverzna transkripcija RNA u cDNA (RT-PCR) / reverse transcription of RNA to cDNA (RT-PCR) - reakcije razgradnje restriksijskim enzimima (npr. za RFLP, AFLP i MSAP metode) / restriction enzyme digestion (like in RFLP, AFLP and MSAP methods)
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DIJANA ŠKORIĆ, 489-489-8079, dijana.skoric@biol.pmf.hr

Naziv/Name:	GENEIOUS
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za mikrobiologiju/Division of Microbiology
Dostupnost/Availability:	Interno (licenca na tri računala)/Internally (licence for 3 computers)
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Programski paket s nizom bioinformatičkih programa u jednom programu/software package with several bioinformatic programmes in one software - Analize u molekularnoj biologiji i genomici /Analyses in molecular biology and genomics
Godina proizvodnje/ Year of manufacture:	Licenca na jednu godinu – do ožujka 2018./One year licence – until March 2018
Cijena/ Price:	371,59 EUR
Usluge/Services:	<ul style="list-style-type: none"> - analize sekvenci Sangerovog sekvenciranja/Sanger sequencing analysis - analize mikrosatelita/microsatellite analysis - sravnjivanje sekvenci/sequence alignment - konstrukcija početnica/primer construction - NGS analize/NGS analysis
Radno vrijeme/ Working hours:	10 – 16; preferencijalno kontakt putem e-maila/preferential contact by e-mail
Kontakt/Contact:	Martina Šeruga Musić +385 1 4898097 martina.seruga.music@biol.pmf.hr

Naziv/Name:	GOLDEN SOFTWARE
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Surfer 8 i Grafer 7
Godina proizvodnje/ Year of manufacture:	2008
Cijena/ Price:	4.653,91 kn
Usluge/Services:	modeliranje i visokokvalitetni grafički alati/modeling and high-quality graphing tools
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Anđelka Plenković-Moraj +385 (0)1 48 777 07 andjelka.plenkovic-moraj@biol.pmf.hr

Naziv/Name: Hibridizacijska peć i rotacijska mješalica SI30H (Stuart)/ Hybridisation oven and rocker shaker SI30H (Stuart)

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Temperaturni raspon + 8°C to 80°C, Brzina rotacije 2 to 10 rpm, Brzina miješanja 5 do 70 oscilacija u minuti /Temperature range + 8°C to 80°C, Rotational speed range 2 to 10rpm, Rocker speed range 5 to 70 oscillations minute

**Godina proizvodnje/
Year of manufacture:** 2009

**Cijena/
Price:** 27000 kn

Usluge/Services: Hibridizacija nukleinskih kiselina te rotacijsko miješanje tekućih uzoraka uz mogućnost zagrijavanja/ Nucleic acid hybridization and liquid shaking with the possibility of heating

**Radno vrijeme/
Working hours:** Ponedjeljak – petak 9-16h/ Monday - Friday 9-16h

Kontakt/Contact: Prof. dr. sc. Zlatko Liber/Zlatko Liber, Full Professor

Naziv/Name:	Hladnjak sa staklenom stijenom/refrigerator with a glass door
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod /Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Candy Model: WM1-15 Mogućnost hlađenja/grijanja, održavanja akvatičkih organizama, bioloških uzoraka i materijala, s obzirom na režim dan/noć Possibility of cooling/heating, maintenance of aquatic organisms, biological samples and materials, with day/night photoperiod
Godina proizvodnje/ Year of manufacture:	2011
Cijena/ Price:	3.500,00 kn
Usluge/Services:	Mogućnost hlađenja/grijanja, održavanja akvatičkih organizama, bioloških uzoraka i materijala, s obzirom na režim dan/noć Possibility of cooling/heating, maintenance of aquatic organisms, biological samples and materials, with day/night photoperiod (ne usluge, već interno, u svrhu znanstvenog rada i nastave; not as a service, but internally for scientific work and teaching)
Radno vrijeme/ Working hours:	U pravilu od/in general: 8-16 h
Kontakt/Contact:	Goran Kovačević +385 1 6189702 goran.kovacevic@biol.pmf.hr

Naziv/Name:	HPLC Perkin Elmer Series 200
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Volumen ispiranja / Flush volume : 0-2500 μ L Vrijeme ciklusa injektiranja / Injection cycle time : 2-3 samples /min Raspon protoka / Flow rate range : 0.01 to 10.0 mL/min Broj dioda / Number of diodes : 512
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	350000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Mirta Tkalec +385 1 4877 739 mirta.tkalec@biol.pmf.hr

Naziv/Name:	HPLC
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	-kvaternarna pumpa / quaternary pump -UV/Vis detektor / UV / Vis detector - autosampler - sakupljač frakcija / fraction collector -analitička predkolona i kolona / analytical predcholon and column
Godina proizvodnje/ Year of manufacture:	2003
Cijena/ Price:	390729,00
Usluge/Services:	Uređajem se razdvajaju, identificiraju, kvantificiraju i izoliraju pojedinačni spojevi iz ekstrakata biljaka i biljnih proizvoda.
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	IVANA ŠOLA, 489-8094, ivana.sola@biol.pmf.hr

Naziv/Name:	INKUBATOR KAMBIČ I-50 / INCUBATOR Kambič I-50
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- mikroprocesorska regulacija rada omogućuje precizno podešavanje i održavanje željene temperature- sigurnosni termostat isključuje grijač kod eventualnog prekoračenja radne temperature-- prirodno kruženje zraka unutar uređaja- temperaturno područje: 25-100°C- temperaturna sonda PT-100
Godina proizvodnje/ Year of manufacture:	2002
Cijena/ Price:	
Usluge/Services:	<ul style="list-style-type: none">- inkubacija- održavanje bakterijskih kultura i faga
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	Inkubator Memmert UFE 500
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Volumen komore / Chamber volume : 108 L Raspon temperature / Temperature range: 30°C - + 250 °C Dvostruko izolirana vrata od nehrđajućeg čelika, zaključavanje i podešavanje u 4 točke / Fully insulated stainless steel door with double locking and 4-point adjustment
Godina proizvodnje/ Year of manufacture:	2011.
Cijena/ Price:	18000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Sunčica Bosak +385 1 48 777 16 suncica.bosak@biol.pmf.hr

Naziv/Name:	INKUBATOR-TRESILICA / SHAKER WITH INCUBATOR KS 15A I TH15 EDMUND BÜHLER
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Air circulation/ Kruženje zraka: 240 m ³ /h Temperature range/ Raspon temperature: 5°C above ambient to +50°C Shaking platform/ dimenzije platforme: 400 x 300 mm Shaking speed/ brzina miješanja : 30 - 420 rpm, steplessly adjustable/neprekidno Timer: 0 - 120 min / continuous /neprekidno
Godina proizvodnje/ Year of manufacture:	2005
Cijena/ Price:	33330,40
Usluge/Services:	-inkubacija / incubation -miješanje uzoraka / stirring samples
Radno vrijeme/ Working hours:	9-17
Kontakt/Contact:	SILVIJA ČERNI, 489-8095, silvija.cerni@biol.pmf.hr

Naziv/Name:	Invertni mikroskop /Inverted microscope
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod/Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- Opton Axiovert 35- Ph1, Ph 2- fluorescencija/fluorescence
Godina proizvodnje/ Year of manufacture:	1992.
Cijena/ Price:	60.000 EUR
Usluge/Services:	<ul style="list-style-type: none">- Svjetlosna mikroskopija/light microscopy- Fazni kontrast/phase contrast microscopy- Fluorescencijska mikroskopija/fluorescent microscopy
Radno vrijeme/ Working hours:	Od 8 do 16 h/8 to 16 h
Kontakt/Contact:	Renata Matoničkin Kepčija +385 1 487 7715 renata.matonickin.kepcija@biol.pmf.hr

Naziv/Name:	Kalorimetar/calorimeter
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod /Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Ika Werke Model: C5000 Measuring range max. [J] 40000, Oxygen filling, Degasification, Decomposition detection, Decomposition vessel C 5010, Analysis according to DIN 51900 (1977/84)
Godina proizvodnje/ Year of manufacture:	2009.
Cijena/ Price:	350.000,00 kn
Usluge/Services:	- mjernje energetske vrijednosti suhih i mokrih uzoraka - measurement of energy content of dry and wet samples (ne usluge, već interno, u svrhu znanstvenog rada i nastave; not as a service, but internally for scientific work and teaching)
Radno vrijeme/ Working hours:	U pravilu/in general: 8-16 h
Kontakt/Contact:	Marko Miliša +385 1 4877715 Marko.milisa@biol.pmf.hr

Naziv/Name:	Klimakomora za klijanje105-CH
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički vrt
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Klima komora za iskljavanje / Seed germination chamber
Godina proizvodnje/ Year of manufacture:	2011.
Cijena/ Price:	85.909,35 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	8-16 h
Kontakt/Contact:	dr. sc. Vanja Stamenković +38514898063 vstamen@botanic.hr

Naziv/Name: Laminar AVC-4D1 Airstream (Esco) / Laminar AVC-4D1 Airstream (Esco)

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Visokokvalitetni prefilter od poliestera i glavni ULPA filtar s tipičnom učinkovitošću od 99,9997% MPPS i 99,9998% kod 0,3 i 0,12 mikrona/ High-quality polyester pre-filter and main ULPA filter with a typical efficiency of 99.9997% at MPPS and 99.9998% at both 0.3 and 0.12 microns

**Godina proizvodnje/
Year of manufacture:** 2011

**Cijena/
Price:** 34000 kn

Usluge/Services: Rad s biološkim uzorcima uz sprječavanje kontaminacije /Working with biological samples with preventing contamination

**Radno vrijeme/
Working hours:** Ponedjeljak – petak 9-16h/ Monday - Friday 9-16h

Kontakt/Contact: Prof. dr. sc. Zlatko Liber/Zlatko Liber, Full Professor

Naziv/Name:	Laminari IBK – 1H2
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Brzina strujanja zraka / Air flow rate : 0,1 – 0,4 m/s Propusnost čestica / Particle permeability : ≤0,01%
Godina proizvodnje/ Year of manufacture:	1988.
Cijena/ Price:	35000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	Laminarni kabinet s horizontalnim strujanjem zraka Heraguard™ ECO Clean Bench / Horizontal Laminar Flow Cabinet Heraguard™ ECO Clean Bench
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Heraguard ECO 0.9 width 1000mm, internal width 920mm, weight 90kg 230V/50HZ https://www.thermofisher.com/order/catalog/product/51029701
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	124.318,00 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr

Naziv/Name:	Laminarni mikrobiološki kabinet klase II MN090, Nuve / Laminar Microbiological Safety Airflow Cabinet Class II MN090, Nuve
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

Vertikalni laminarni kabinet koristi se u radu sa bezopasnim materijalima, nepatogenim uzorcima, staničnim i tkivnim kulturama u mikrobiološkim i znanstvenim laboratorijima na fakultetima, u bolnicama i farmaceutskoj industriji.

Karakteristike:

- unutarnje dimenzije (Š x D x V) mm.: 890x630x620
- vanjske dimenzije (Š x D x V) mm: 1060x795x1345
- težina, kg: 190
- napajanje: 230 V, 50 Hz
- HEPA filteri: 99,999% efikasnost za čestice $\geq 0,3\mu\text{m}$
- vanjski filter: 85% efikasnost za čestice $\geq 0,5\mu\text{m}$
- svijetlo: visoka efikasnot, niska voltaža ≥ 800 lux
- razina buke: < 60 dBA
- standardni brojač radnih sati, 2 komada strujnih priključaka (2,5 A)
- potrošnja struje: 760 W

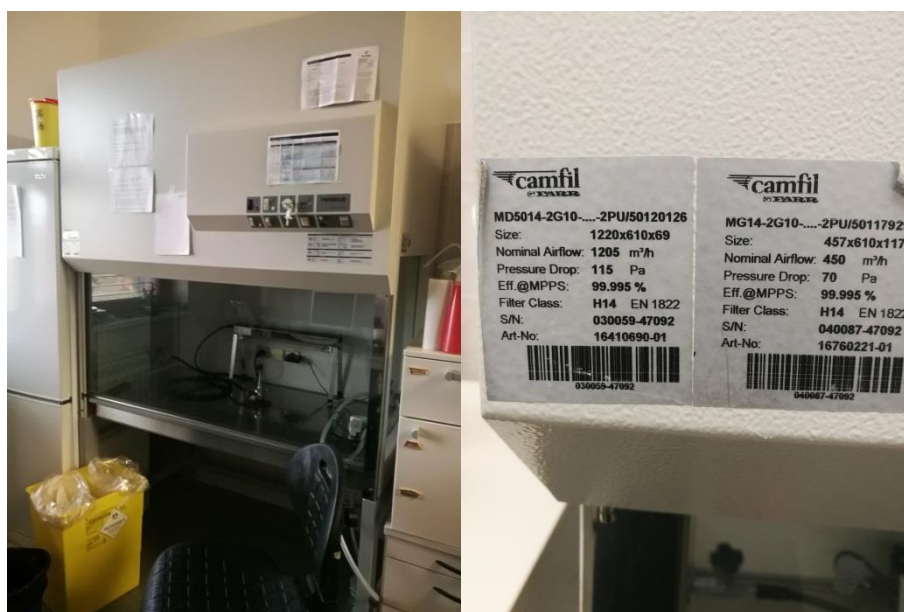
/

Vertical laminar airflow cabinet is used with nonhazardous materials for handling non-pathogenic samples, cell and tissue cultures in microbiology and research laboratories in universities, hospitals and pharmaceutical industry.

Caracteristics:

	<ul style="list-style-type: none">-internal Dimensions (WxDxH) mm.: 890x630x620-external Dimensions (WxDxH) mm: 1060x795x1345-weight, kg: 190-power Supply: 230 V, 50 Hz-HEPA Filters: 99,999% Efficiency for Particles $\geq 0,3\mu\text{m}$-Pre Filter: 85% Efficiency for Particles $\geq 0,5\mu\text{m}$-light: High Efficiency, Low Voltage ≥ 800 lux-noise Level : < 60 dBA-standard Accessories Hour Counter, 2 pcs. Main Power Socket (2,5 A)-power Consumption: 760 W
Godina proizvodnje/ Year of manufacture:	2015.
Cijena/ Price:	46.007,50 kn
Usluge/Services:	<p>Ova oprema je dio projekta koji je primio sredstva od Europske unije iz programa za istraživanje i inovaciju Obzor2020 u okviru sporazuma o dodjeli bespovratnih sredstava N° 681103, projekt Bio-Chip. Tijekom trajanja projekta BioChip (do kraja 2019. godine) oprema se smije koristiti isključivo za potrebe projekta od strane osoba zaposlenih na projektu.</p> <p>/</p> <p>This equipment is part of a project that has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement N° 681103. During the duration of the H2020 project Bio-Chip (end of 2019), this equipment may be used solely for the needs of the project and by personnel employed on the project.</p>
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr Maja Pušić +385(0)1 4826 271 maja.pusic@biol.pmf.hr

Naziv/Name:	Laminarni mikrobiološki kabinet klase II / Heraeus® HERAsafe Safety Cabinet Class II
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - dimenzije (Š x D x V) / dimension (W x D x H) mm: 1200 x 650 x 630 - radna površina (Š x D x V) / internal dimensions (W x D x H) mm: 1200 x 650 - ISO klasa 5 / ISO Class 5 - napajanje / power supply: 230 V, 50 Hz - klasa filtracije / class of filtration: H14 / 2 hepa filtera / 2 HEPA Filters:: 610x1220x69; 457x610x117 <p>https://www.labmakelaar.com/fjc_documents/herasafehsp_e_02_031.pdf</p>
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	124.318,00 kn
Usluge/Services:	rad sa bezopasnim materijalima, nepatogenim uzorcima, staničnim i tkivnim kulturama u mikrobiološkim i znanstvenim laboratorijima na fakultetima, u bolnicama i farmaceutskoj industriji / Vertical laminar airflow cabinet is used with nonhazardous materials for handling non-pathogenic samples, cell and tissue cultures in microbiology and research laboratories in universities, hospitals and pharmaceutical industry.

**Radno vrijeme/
Working hours:** 08:00-16:00 h

Kontakt/Contact: Inga Marijanović
+385(0)1 4826 275
ingam@zg.biol.pmf.hr

Naziv/Name: Li-COR C-DiGit Blot Scanner (LI-COR Biosciences)

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology
Zavod za molekularnu biologiju/Division of Molecular Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- veličina područja za skeniranje: 10 cm x 8,5 cm/image area: 10 cm x 8.5 cm
- rezolucija: 196 µm x 196 µm/resolution: 196 µm x 196 µm
- tip detektora: low noise CCD/detector type: low noise CCD
- vrijeme skeniranja: 6 i 12 minuta/acquisition times: 6 and 12 minutes
- software: Image Studio, ver. 4

**Godina proizvodnje/
Year of manufacture:** 2014

**Cijena/
Price:** 47.035,01 kn

Usluge/Services:

- analiza ekspresije proteina kemiluminiscentnom detekcijom Western blotova/protein expression analysis using chemiluminescent Western blot detection

**Radno vrijeme/
Working hours:** 09:00-16:00 h

Kontakt/Contact: Renata Biba
+385(0)1 4606 268
renata.biba@biol.pmf.hr
Petra Cvjetko
+385(0)1 4606 269
petra.cvjetko@biol.pmf.hr

Naziv/Name:	Liofilizator Alpha 1-2 Christ
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Kapacitet / Capacity : 2,5 kg Temperatura / Temperature : -60°C Tlak / Pressure : 0,01 mbar
Godina proizvodnje/ Year of manufacture:	2002. g.
Cijena/ Price:	80000 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	08:00 – 16:00
Kontakt/Contact:	Željka Vidaković-Cifrek +385 1 4877 739 zeljka.vidakovic-cifrek@biol.pmf.hr

Naziv/Name:	Lupa/Stereomicroscope
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod /Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Etran, d.o.o Povećanje/magnification: 4.5x
Godina proizvodnje/ Year of manufacture:	2011
Cijena/ Price:	6.500,00 kn
Usluge/Services:	Istraživanje i promatranje uzoraka, biološkog materijala i živih uzoraka Research and observation of samples, biological material and living samples (ne usluge, već interno, u svrhu znanstvenog rada i nastave; not as a service, but internally for scientific work and teaching)
Radno vrijeme/ Working hours:	U pravilu od/in general: 8-16 h
Kontakt/Contact:	Goran Kovačević +385 1 6189702 goran.kovacevic@biol.pmf.hr

Naziv/Name:	Lupa ZEISS Stemi 2000-C + fotoaparat +Olympus 3100 osvjetljenje+ Wacom tablet za crtanje, / ZEISS Stemi 2000-C Stereomicroscope + camera + Olympus 3100 Light Source + Wacom drawing tablet
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod /Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Zeiss apokromatski optički sistem stereo 11, zum 7.7:1, Canon DSLR foto aparat EOS 550D / Zeiss apochromatic optical system with stereoscopic angle 11°, manually operable zoom 7.7:1, camera port with interface, Canon DSLR camera EOS 550D, Light Source Olympus 3100 150W
Godina proizvodnje/ Year of manufacture:	2010
Cijena/ Price:	ca 4000 \$
Usluge/Services:	Snimanje i ilustriranje mikroskopskih uzoraka / microscopic photography and illustrating
Radno vrijeme/ Working hours:	10-16h
Kontakt/Contact:	Ana Previšić +385 1 618 9708, +385 1 487 7751 ana.previsic@biol.pmf.hr

Naziv/Name:	Mikrobiološki sigurnosni kabinet razine 2 NÜVE MN 090/ Class II Microbiological Safety Cabinet NÜVE MN 090
Tip opreme/ Type of equipment:	Znanstvena oprema/ Scientific equipment
Lokacija/Location:	Biološki odsjek/ Department of Biology Zavod za molekularnu biologiju/ Division of Molecular Biology
Dostupnost/Availability:	Interno/ Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- HEPA filteri s 99,995% učinkovitošću filtriranja čestica $\geq 0,3\mu\text{m}$ / HEPA filters with 99,995% efficiency for particles $\geq 0,3\mu\text{m}$- radna površina od AISI 304 nehrđajućeg čelika/ working table made of AISI 304 Stainless Steel- kontrola protoka zraka pomoću kontrolnog sustava s mikroprocesorom i LED zaslonom, te automatskom kompenzacijom brzine protoka zraka/ airflow speed control via microprocessor control system with LED display and automatic speed compensation- razina buke <60 dBA/ noise level <60 dBA- potrošnja el. energije od 1860 W/ power consumption of 1860 W
Godina proizvodnje/ Year of manufacture:	2017.
Cijena/ Price:	94.625,25 kn HRK
Usluge/Services:	- rad sa staničnim linijama u sterilnim uvjetima/ cell lines handling in sterile conditions
Radno vrijeme/ Working hours:	08:00-16:00 h

Kontakt/Contact:

Vanja Tadić
+385 (1) 4606 284
vtadic@biol.pmf.hr

Naziv/Name:	Mikroskop (Carl Zeiss Jena) + fotoaparat / Microscope (Carl Zeiss Jena) with digital camera
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	
Godina proizvodnje/ Year of manufacture:	2005
Cijena/ Price:	
Usluge/Services:	
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Tatjana Bakran Petricioli +385(0)1 4877 718 tatjana.bakran-petricioli@biol.pmf.hr

Naziv/Name:	Mikroskop Axiovert 200M s Laserskim mikrodisektorom Palm MicroBeam, Zeiss/ Microscope Axiovert 200 M with Laser microdissection Palm Microbeam, Zeiss
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Invertni mikroskop za transmitirano svjetlo i epifluorescenciju/inverted microscope for transmitted light and epifluorescence - Motoriziran / motorized - ICS optika /ICS optics - 23 mm polje gledanja / 23 mm field of view - Modularni dizajn za optimalnu adaptaciju za relevantnu aplikaciju / modular design for optimum adaptation to the relevant application - Prisutnost PALM MicroBeam sa FTSS laserom za lasersku mikrodisekciju / PALM microbeam with FTSS laser for laser microdissection
Godina proizvodnje/ Year of manufacture:	2005.
Cijena/ Price:	1.247.377,00 kn
Usluge/Services:	<ul style="list-style-type: none"> - Izolacija specifičnog tkiva, staničnih tipova, pojedinačnih stanica, kromosoma i organela iz bioloških preparata / cell, tissue, chromosome and organelle isolation from biological samples - Fluorescencijska mikroskopija /fluorescent microscopy

**Radno vrijeme/
Working hours:** 08:00-16:00 h

Kontakt/Contact: Marija Klasić
+385 1 4606 284
marija.klasic@biol.pmf.hr

Naziv/Name:	Mikroskop Invertni Axiovert 40 CFL Carl Zeiss s Axioacam MRm i programom Axiovision 4/ Inverted microscopes Axiovert 40 CFL Carl Zeiss with Axioacam MRm and software Axiovision 4
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularni biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Objektivi: A plan 5x/0,12; EC plan NEOFLUAR 10x/0,3; LD plan 20x/0,4 PH2; LD plan 40x0,/ Opremljen je digitalnom kamerom Carl Zeiss Axioacam MRm i živinom lampom HBO 50/AC. Cijeli sustav omogućuje široki raspon mogućih aplikacija./ Objectives: A plan 5x/0,12; EC plan NEOFLUAR 10x/0,3; LD plan 20x/0,4 PH2; LD plan 40x0,. Equipped with a digital camera Carl Zeiss Axioacam MRm and mercury lamp HBO 50/AC. The whole system allows a wide range of possible applications. https://wikisites.mcgill.ca/djgroup/images/1/11/Axiovert_40_CFL.PDF
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	Mikroskop kn? +68.219,49 kn program i PC + 13.507,89 kn kamera/camera
Usluge/Services:	Fluorescencijski invertni mikroskop koristi se za mikroskopiju u bijelom polju („brightfield“), fluorescencijsku mikroskopiju i kontrastnu mikroskopiju / The fluorescence invert microscope is used for microscopy in white field, fluorescence microscopy and contrast microscopy.

**Radno vrijeme/
Working hours:** 08:00-16:00 h

Kontakt/Contact: Inga Marijanović
+385(0)1 4826 275
ingam@zg.biol.pmf.hr

Naziv/Name:	Mikroskop Invertni Leica DMIL / inverted microscope Leica DMIL
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
LInvseertokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Invertni mikroskop faznim kontrastom/IMC together with optimized phase contrast and fluorescence http://www.meyerinst.com/html/leica/dm-il/DM%20IL%20Brochure.pdf
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	
Usluge/Services:	Mikroskopiranje stanica u procesima stanične kulture / Cell Microscopy in Cell Culture Processes
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr

Naziv/Name:	Mikroskop/Microscope
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod /Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Etran, d.o.o Povećanje/magnification: 4, 40, 400, 1000x
Godina proizvodnje/ Year of manufacture:	2011
Cijena/ Price:	13.500,00 kn
Usluge/Services:	Istraživanje i promatranje uzoraka, biološkog materijala, trajnih preparata i privremenih suhih i mokrih preparata Research and observation of samples, biological material and permanent slides/preparations and temporary dry and wet slides/preparations (ne usluge, već interno, u svrhu znanstvenog rada i nastave; not as a service, but internally for scientific work and teaching)
Radno vrijeme/ Working hours:	U pravilu od/in general: 8-16 h
Kontakt/Contact:	Goran Kovačević +385 1 6189702 goran.kovacevic@biol.pmf.hr

Naziv/Name:	Mikroskop Olympus BX51 s faznim kontrastom i kamerom / Olympus Microscope BX51 Phase Contrast with digital camera
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Olympus BX51 nosač / Olympus BX51 Stand Držać okulara /Trinocular Head Okulari /Pair of WHN10X / 22 eyepieces Objektiv 4X / Plan 4X / 0.10 Objektiv 10X sa faznim kontrastom / Plan 10X / 0.25 Ph 1 Objektiv 20X sa faznim kontrastom / Plan 20X / 0.40 Ph 1 Objektiv 40X sa faznim kontrastom / Plan 40X / 0.65 Ph 2 Objektiv 100X imerzioni s faznim kontrastom / Ach 100X / 1.25 oil Ph 3 Fazni kondenzor / Phase Condenser with 5 stops (BF, Ph1, Ph2, Ph3, DF) Stolić / Right handed stage and slide holder Filter / Daylight blue filter Žarulja mikroskopa / 6V 30W lamphouse
Godina proizvodnje/ Year of manufacture:	2008.
Cijena/ Price:	41.119,97 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	8.00-17.00

Kontakt/Contact:

Marija Gligora Udovič

+98516189706

marija.gligora.udovic@biol.pmf.hr

Naziv/Name:	Mikroskop Olympus CKX41 invertni mikroskop s faznim kontrastom i kamerom / Olympus CKX41 Inverted Microscope BF Phase Contrast with digital camera
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Optički sistem / Universal Infinity System Optical system Ugrađeni iluminator / Illuminator built in Halogena žarulja 30 W / Halogen bulb Kretanje stupnja visine pomoću vodilice (stalak i zupčanik) / Stage height movement by roller guide (rack & pinion) Napon / Power 220 V / 50Hz 10x,20x,40X,100X objektivni/10x,20x,40X,100X Objectives Fazni kontrast / Phase Ring Slider
Godina proizvodnje/ Year of manufacture:	2008.
Cijena/ Price:	40,500.00 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Marija Gligora Udovič +98516189706 marija.gligora.udovic@biol.pmf.hr

Naziv/Name: Mikroskop Opton 66460 + fotoaparati / Opton microscope + camera

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology
Zoologijski zavod/Division of Zoology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Opton Stereo mikroskop, 16x2,5-6,3-25-100 im. Svjetlo- tungsten 12V, 60W / Opton Stereo Microscope, 16x2,5-6,3-25-100 immersion, tungsten lamp 12V, 60W

**Godina proizvodnje/
Year of manufacture:** 1961

**Cijena/
Price:** n.a.

Usluge/Services: Snimanje mikroskopskih uzoraka / microscopic photography

**Radno vrijeme/
Working hours:** 10-16h

Kontakt/Contact: Ana Previšić
+385 1 618 9708, +385 1 487 7751
ana.previsic@biol.pmf.hr

Naziv/Name:	Mikroskop Zeiss Axiovert 200
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply – 230 V/50 Hz Fokusanje s pozornicom s grubim pogonom (5 mm / rot) / Stand with stage focusing with coarse drive (5 mm/rot)) Fini pogon / fine drive (0.1 mm /rot) Fino skaliranje / Fine scaling 1 µm/scale part
Godina proizvodnje/ Year of manufacture:	2002. g.
Cijena/ Price:	200000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00-12:00
Kontakt/Contact:	Sunčica Bosak +385 1 48 777 16 suncica.bosak@biol.pmf.hr

Naziv/Name:	Mikrotom/microtome
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod /Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Thermo, electron corporation Model: Shandon Finesse 325 Debljina rezova/sections thickness : 5-7 μ m
Godina proizvodnje/ Year of manufacture:	2009
Cijena/ Price:	35.000,00 kn
Usluge/Services:	-izrada standardnih histoloških preparata -standard histological preparations (ne usluge, već interno, u svrhu znanstvenog rada i nastave; not as a service, but internally for scientific work and teaching)
Radno vrijeme/ Working hours:	U pravilu od/in general: 8-16 h
Kontakt/Contact:	Goran Kovačević +385 1 6189702 goran.kovacevic@biol.pmf.hr

Naziv/Name: Motorno vozilo Renault trafic 1,6 DCI

**Tip opreme/
Type of equipment:**

Lokacija/Location: Biološki odsjek/Department of Biology
Zoologijski zavod

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Kombi, 8 sjedala

**Godina proizvodnje/
Year of manufacture:** 2017

**Cijena/
Price:**

Usluge/Services:

**Radno vrijeme/
Working hours:**

Kontakt/Contact: Vertebrata
01/6189717

Naziv/Name: Motorno vozilo Renault trafic 2,5 DCI

**Tip opreme/
Type of equipment:**

Lokacija/Location: Biološki odsjek/Department of Biology
Zoologijski zavod

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Kombi, 9 sjedala

**Godina proizvodnje/
Year of manufacture:** 2006

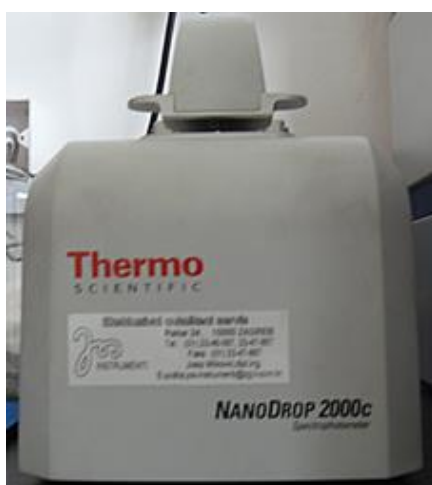
**Cijena/
Price:**

Usluge/Services:

**Radno vrijeme/
Working hours:**

Kontakt/Contact:

Naziv/Name:	NANODROP Thermo Scientific 2000c
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	- Spektrofotometar za mikrovolumene/ Spectrophotometer for micro-volumes (0,5-2ul) ili kivete/ or cuvettes (>1000 ul) - Valne duljine/ Wavelength:: 190-840 nm 2ng/μl-15,000ng/μl (dsDNA) ng/μl
Godina proizvodnje/ Year of manufacture:	2010
Cijena/ Price:	81180,00
Usluge/Services:	Koncentracija DNA Koncentracija RNA Koncentracija proteina (Bradford) Bakterijske kulture (OD600)
Radno vrijeme/ Working hours:	7-15
Kontakt/Contact:	MARIN JEŽIĆ, 489-8086, marin.jezic@biol.pmf.hr

Naziv/Name:	NanoPhotometer-P330 (Implen) spektrofotometar/ NanoPhotometer-P330 (Implen) Spectrophotometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology (posuđeno s Agronomskog fakulteta/borrowed from the Faculty of Agriculture)
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Mjerenje 0,3 µl do 5 µl nerazrijeđenog uzorka, raspon valnih duljina od 190 do 1100 nm, ugrađena vorteks mješalica, samokalibracija / Measurement 0.3 µl up to 5 µl of undiluted sample, wavelength range of 190 nm to 1100 nm, built-in vortexer, self-calibration
Godina proizvodnje/ Year of manufacture:	2014
Cijena/ Price:	80000 kn
Usluge/Services:	Spektrofotometrijsko određivanje koncentracije i čistoće izoliranih nukleinskih kiselina i proteina/Spectrophotometric determination of the concentration and purity of isolated nucleic acids and proteins
Radno vrijeme/ Working hours:	Ponedjeljak – petak 9-16h/ Monday - Friday 9-16h
Kontakt/Contact:	Prof. dr. sc. Zlatko Liber/Zlatko Liber, Full Professor

Naziv/Name:	Olympus BX51 s faznim kontrastom i kamerom / Olympus Microscope BX51 Phase Contrast with digital camera
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<p>Olympus BX51 nosač / Olympus BX51 Stand Držać okulara /Trinocular Head Okulari /Pair of WHN10X / 22 eyepieces Objektiv 4X / Plan 4X / 0.10 Objektiv 10X sa faznim kontrastom / Plan 10X / 0.25 Ph 1 Objektiv 20X sa faznim kontrastom / Plan 20X / 0.40 Ph 1 Objektiv 40X sa faznim kontrastom / Plan 40X / 0.65 Ph 2 Objektiv 100X imerzioni s faznim kontrastom / Ach 100X / 1.25 oil Ph 3 Fazni kondenzor / Phase Condenser with 5 stops (BF, Ph1, Ph2, Ph3, DF) Stolić / Right handed stage and slide holder Filter / Daylight blue filter Žarulja mikroskopa / 6V 30W lamphouse Prekrivač mikroskopa / Olympus Dust Cover</p>
Godina proizvodnje/ Year of manufacture:	2008.
Cijena/ Price:	41.119,97 kn
Usluge/Services:	Digitalna kamera za slikanje s brzim prijenosom slika na računalo / The Olympus BX 51 Phase contrast microscope comes with digital cameras which provide viewing and speedy image transfer to computers

OLYMPUS Software za analizu slika dizajniran za potrebe mikroskopiranja / Comes also with OLYMPUS Image Analysis Software designed specifically for microscopy applications with intuitive menus and advanced software routines.

Radno vrijeme/

Working hours:

8.00-17.00

Kontakt/Contact:

Marija Gligora Udovič

+98516189706

marija.gligora.udovic@biol.pmf.hr

Naziv/Name:	Olympus CKX41 invertni mikroskop s faznim kontrastom i kamerom / Olympus CKX41 Inverted Microscope BF Phase Contrast with digital camera
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology
Dostupnost/Availability:	Interno/Internally
	
Tehničke karakteristike/ Technical characteristics:	Optički sistem / Universal Infinity System Optical system Ugrađeni iluminator / Illuminator built in Halogena žarulja 30 W / Halogen bulb Kretanje stupnja visine pomoću vodilice (stalak i zupčanik) / Stage height movement by roller guide (rack & pinion) Napon / Power 220 V / 50Hz 10x,20x,40X,100X objektivi/10x,20x,40X,100X Objectives Fazni kontrast / Phase Ring Slider
Godina proizvodnje/ Year of manufacture:	2008.
Cijena/ Price:	40,500.00 kn
Usluge/Services:	Rad sa kulturama stanica / Perfect solution for cell culture in which a variety of cells are grown under controlled conditions Analiza uzoraka prema Utermöhl metodi / Suitable for Utermöhl method
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Marija Gligora Udovič, +98516189706 marija.gligora.udovic@biol.pmf.hr

Naziv/Name:	OMNIDIA
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	
Godina proizvodnje/ Year of manufacture:	2009
Cijena/ Price:	300 €
Usluge/Services:	softver za taksonomiju, izračun diatomskih indeksa/software for taxonomy, calculation of diatom indices
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Andjelka Plenković-Moraj +385 (0)1 48 777 07 andjelka.plenkovic-moraj@biol.pmf.hr

Naziv/Name:	ORBITALNA MIJEŠALICA / ORBITAL SHAKER
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- can be used in cold rooms or incubators, operating at ambient temperature range +4°C to +40°C.- Speed range 50–250 rpm- Orbit diameter 20 mm- Digital timer 1–999 min- Display LED
Godina proizvodnje/ Year of manufacture:	2011
Cijena/Price:	4833,90
Usluge/Services:	<ul style="list-style-type: none">- jaka promjenjiva brzina koja omogućuje učinkovito orbitalno gibanje / powerful variable speed shaker which provides efficient orbital motion- Brzina i vrijeme su pod kontrolom mikroprocesora / Speed and time are under microprocessor control- Dostupna su dva načina rada: 1) vremenski (1-999 min) i 2) neprekidno, s maksimalnim radnim vremenom od 24 sata / Two operation modes are available: 1) timed (1–999 min) and 2) nonstop, with a maximum operation time of 24 hours
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	PCR UV kabinet UVC/T-M-AR (Grant) / PCR UV cabinet UVC/T-M-AR (Grant)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	- UV lampa 25 W, 254 nm / UV lamp 25 W, 254 nm - UV recirkulator 25 W / UV recirculator 25 W - Radna površina 650 x 475 mm / internal working area 650 x 475 mm
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	14.053,77 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Marija Klasić +385 (1) 4606 284 marija.klasic@biol.pmf.hr

Naziv/Name: PEĆ ZA ŽARENJE INKO LP-08/MUFFLE FURNACE INKO LP-08

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Električna opskrba / Electric supply : 220 V/50 Hz
Radni prostor / Workspace : 100 x 200 x 300 mm
Raspon temperature / Temperature range: 200°C - 1100 °C
Max. radna temperatura / Max. working temperature: 1150 °C

**Godina proizvodnje/
Year of manufacture:** 2004

**Cijena/
Price:** 15.616,00

Usluge/Services: -

**Radno vrijeme/
Working hours:** 09:00-15:00

Kontakt/Contact: Sara Essert
+385 1 48-95-567
sara.essert@biol.pmf.hr

Naziv/Name:	Pećnica za sušenje i sterilizaciju Digitheat J.P. SELECTA / Drying and sterilization ovens Digitheat J.P. SELECTA
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	http://www.grupo-selecta.com/pdfs/en/cats/catpdf_en_11.pdf
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	10.177,46 kn
Usluge/Services:	Pećnica za sušenje i sterilizaciju / Drying and sterilization ovens
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr

Naziv/Name:	Primer E 2016
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Primer 7/ Permanova+
Godina proizvodnje/ Year of manufacture:	2016
Cijena/ Price:	22.535,00 kn
Usluge/Services:	paket za analizu ekoloških podataka/package for analysing ecological data
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Anđelka Plenković-Moraj +385 (0)1 48 777 07 andjelka.plenkovic-moraj@biol.pmf.hr

Naziv/Name:	Primer E
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



PRIMER-E
*Multivariate Statistics
for Ecologists*

Tehničke karakteristike/ Technical characteristics:	PRIMER v6.1
Godina proizvodnje/ Year of manufacture:	2009
Cijena/ Price:	150 £
Usluge/Services:	paket za analizu ekoloških podataka/package for analysing ecological data
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Anđelka Plenković-Moraj +385 (0)1 48 777 07 andjelka.plenkovic-moraj@biol.pmf.hr

Naziv/Name:	ProFlex PCR System
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za mikrobiologiju/Division of microbiology Rooseveltova trg 6
Dostupnost/Availability:	Interno/Internally
	
Tehničke karakteristike/ Technical characteristics:	<p>Kapacitet: 3 x 32- x 0.2 ml epruveta Dimenzije: 33 cm (13 in) (W) x 27 cm (11 in) (H) x 57 cm (22 in) (D) Temperatura: 0 do 100.0 ° Težina: 18.75kg Dimensions: 33 cm (13 in) (W) x 27 cm (11 in) (H) x 57 cm (22 in) (D) Capacity: 3 x 32-well x 0.2 ml tubes Reaction Volume Range: 10-80 µl Temperature: 0 to 100.0 °C Weight: 18.75kg</p>
Godina proizvodnje/ Year of manufacture:	2016.
Cijena/ Price:	50.000kn
Usluge/Services:	PCR uređaj s tri neovisno kontrolirana termalna bloka, kapaciteta 3x32 0,2 ml PCR tube. Equipment ProFlex™ PCR System 3x32 0,2 ml PCR tube
Radno vrijeme/ Working hours:	8-16h
Kontakt/Contact:	Renata Horvat +385(0)1 4877 746 renata.horvat@biol.pmf.hr

Naziv/Name:	QIAxcel® Advanced (Qiagen) uređaj za kapilarnu elektroforezu / QIAxcel® Advanced (Qiagen) capillary electrophoresis system
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology (posuđeno s Agronomskog fakulteta/borrowed from the Faculty of Agriculture)
Dostupnost/Availability:	Interno/Internally



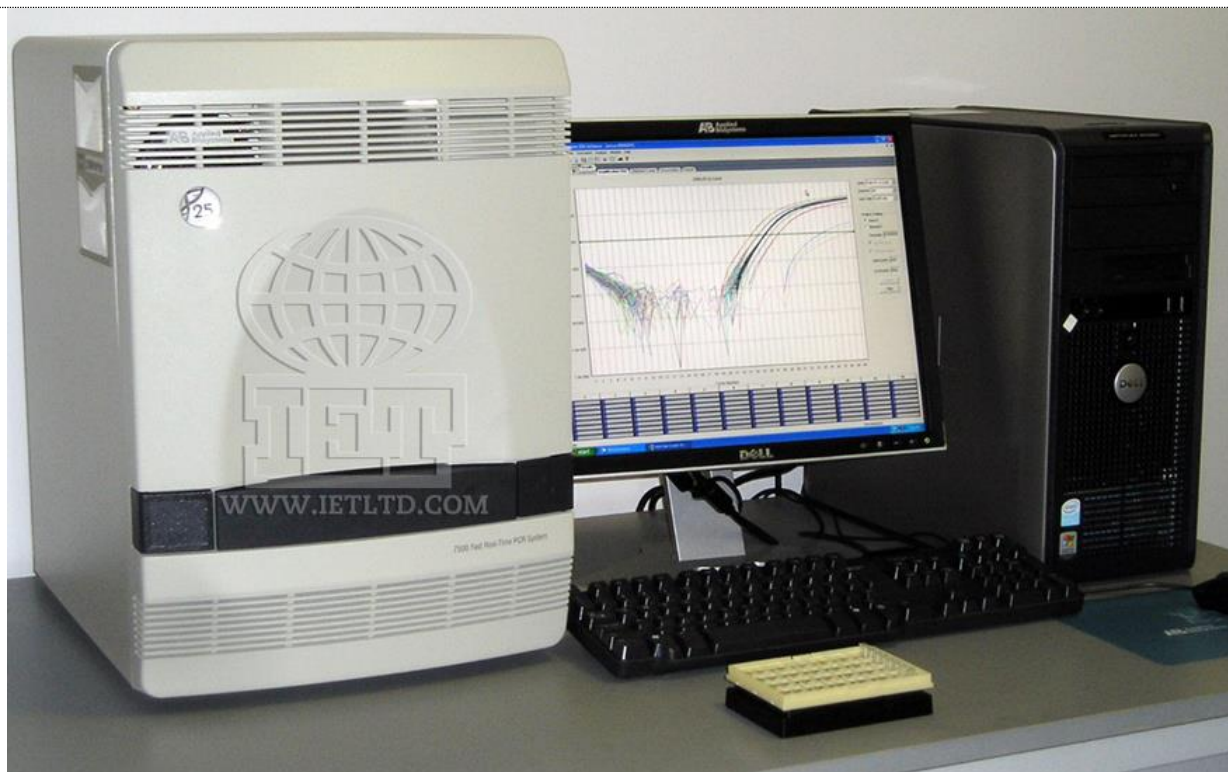
Tehničke karakteristike/ Technical characteristics:	Brza analiza do 96 uzoraka, sigurnost i praktičnost rada sa zatvorenim sustavom spremnika za gel , razlučivost od 3-5 bp, mjerenje kvalitete RNA s novim „RNA Integrity Score“ (RIS)/ Rapid analysis of up to 96 samples, safety and convenience with ready-to-use gel cartridges, 3–5 bp resolution, RNA quality measurement with new RNA Integrity Score (RIS)
Godina proizvodnje/ Year of manufacture:	2013
Cijena/ Price:	210000 kn
Usluge/Services:	Određivanje veličine, koncentracije i kvalitete DNA fragmenata, RNA, i proteina / Determination of the size, concentration and quality of DNA fragments, RNA, and proteins
Radno vrijeme/ Working hours:	Ponedjeljak – petak 9-16h/ Monday - Friday 9-16h
Kontakt/Contact:	Prof. dr. sc. Zlatko Liber/Zlatko Liber, Full Professor

Naziv/Name:	Radiometar UVITEC RX 003, RS 254 / UVImeter RX 003, RS 254 radiometer with microprocessor
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Valna duljina/-wavelength 254 nm, tip lampe za kalibraciju monokromatska / type of lamp used for calibration monochromatic, precision +/- 5% comp. with reference radiometer VLX-3W (VLX 0,0) and calibration bench (B1,0)LNE
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	3.731,5 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr

Naziv/Name:	Real time PCR Abi 7500 fast
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Lab 221, Horvatovac 102a
Dostupnost/Availability:	Interno/Internally



SLIKA (DIMENZIJE: 34 cm (W) x 49 cm (H) x 45 cm (D))

Tehničke karakteristike/ Technical characteristics:	Uređaj za lančanu reakciju polimerazom u realnom vremenu/real-time PCR instrument, pločice s 96 uzoraka/96 well plates, raspon temperatura 4,0-99,9°C/temperature range 4,0-99,9°C
Godina proizvodnje/ Year of manufacture:	2013
Cijena/ Price:	46.000,00
Usluge/Services:	Lančana reakcija polimerazom u realnom vremenu
Radno vrijeme/ Working hours:	8-16h
Kontakt/Contact:	Ivana Ivančić Baće Tel. + 385 1 4606-273 e-mail: ivana.ivancic.bace@biol.pmf.hr

Naziv/Name:	REAL TIME PCR SYSTEM 7300 AB
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - optički sustav uređaja sastoji se od tungsten-halogene lampe jednostruke ekscitacije s četiri emisijska filtera te CCD lampe/optical system consists of a tungsten-halogen lamp, four emission filters and CCD camera. - emisijski filteri optimizirani su za korištenje sljedećih fluorescentnih boja: FAM™/SYBR® Green I, VIC®/JOE™, NED™, TAMRA™ i ROX™/emission filters are optimized for use with FAM™/SYBR® Green I, VIC®/JOE™, NED™, TAMRA™ and ROX™ fluorescent dyes - blok uređaja može primiti optičke pločice s 96 bazenčića kao i 0.2 mL epruvete/ thermal cycling system accommodates both standard 96-well plates and 0.2 mL tubes
Godina proizvodnje/ Year of manufacture:	2007
Cijena/ Price:	
Usluge/Services:	<ul style="list-style-type: none"> - analiza ekspresije gena / Gene expression analysis - kvantifikacija patogena / Pathogen quantification - odvajanje alela/ Allelic Discrimination - detekcija patogena/Plus/Minus Detection - SNP genotipizacija/ SNP genotyping
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	MARTINA ŠERUGA MUSIĆ, 489-8097, martina.seruga.music@biol.pmf.hr

Naziv/Name:	RINNTECH Resistograf 4453-S
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički vrt
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Dijagnostički instrument za detekciju i izmjeru truleži u stablu/Wod rot detection and measuring diagnostic instrument
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	79.850,00 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	8-16 h
Kontakt/Contact:	dr. sc. Vanja Stamenković +38514898063 vstamen@botanic.hr

Naziv/Name:	Sonikator Sonopuls Mini20, Code No. 3665/ Sonicator Sonopuls Mini20, code No. 3665
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of Molecular Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Prikladan za sonikaciju malih volumena 0.1-25 ml/Suitable for sonication of small volumes of 0.1-25 ml - Sadrži HF generator GM mini20, ultrazvučni pretvarač UW mini20 i probu MS 2.5, promjera 2.5 mm/consists of HF generator GM mini20, ultrasonic converter UW mini20 and microtip MS 2.5, diameter 2.5 mm. - Frekvencija rada je 30 kHz/processing frequency is 30 kHz
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	14.355,00 kn
Usluge/Services:	<ul style="list-style-type: none"> - razaranje staničnih membrana/destruction of cell membranes - otpuštanje staničnog sadržaja/cellular content release - kromatinska imunoprecipitacija/chromatin immunoprecipitation - pogodan za ravnomjernu disperziju čestica u tekućini/suitable for uniform dispersion of liquid particles
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Goran Josipović +385(0)1 460 6456 goran.josipovic@biol.pmf.hr

Naziv/Name: SPEKTROFOTOMETAR SPECORD / SPECTROPHOTOMETER SPECORD

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

**Godina proizvodnje/
Year of manufacture:**

**Cijena/
Price:**

Usluge/Services: -

**Radno vrijeme/
Working hours:** 09:00-15:00

Kontakt/Contact: Sara Essert
+385 1 48-95-567
sara.essert@biol.pmf.hr

Naziv/Name:	Spektrofotometar Specord 40
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply – 230 V/50 Hz Širina frekvencijskog područja / Bandwidth – 1.3 nm at 500 nm Brzina skeniranja / Scanning Speed up to 6000 nm/min Raspon valnih duljina / Wavelength Range: 190 to 1100 nm
Godina proizvodnje/ Year of manufacture:	2002 g.
Cijena/ Price:	60000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	Spektrofotometar Specord 40
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply – 230 V/50 Hz Širina frekvencijskog područja / Bandwidth – 1.3 nm at 500 nm Brzina skeniranja / Scanning Speed up to 6000 nm/min Raspon valnih duljina / Wavelength Range: 190 to 1100 nm
Godina proizvodnje/ Year of manufacture:	2000 . g.
Cijena/ Price:	60000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	STERILIZATOR SFB 500 / STERILIZER SFB 500
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- cirkuliranje zraka tihom zračnom turbinom / forced air circulation by quiet air turbine
- kontinuirano podešavanje prethodno zagrijanog zraka (za postupke sušenja / continuous adjustment of pre-heated fresh air admixture (for drying processes
- odzračnica s poklopcem za zaustavljanje /vent connection with restrictor flap
- mikroprocesorski regulator temperature PID s integriranim autodiagnostičkim sustavom s indikatorom kvara / microprocessor PID-temperature controller with integrated autodiagnostic system with fault indicator
- Pt100 senzor klase A u 4-žičnom krugu / one Pt100 sensor class A in 4-wire-circuit
- integrirani digitalni mjerač vremena (1 min do 99 h 59 min) za isključivanje grijanja u stanju mirovanja / integrated digital timer (1 min. up to 99 h 59 min) to switch off heating to stand-by mode

Godina proizvodnje/ Year of manufacture:	2009
Cijena/Price:	14155,21
Usluge/Services:	- suha sterilizacija / dry sterilization - sušenje / drying

**Radno vrijeme/
Working hours:** 8-16

Kontakt/Contact: DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	SUŠAČ GELOVA / GELAIR DRYER
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- kapacitet okvira za sušenje: 1 gel formata 10x16cm ili 4 gelova formata 7x8 cm / drying frame capacity: 1 large format gel 10x16cm or 4 small format gels 7x8 cm- sve su komponente otporne na koroziju / all components are resistant to corrosion- podešavanje vremena sušenja: 1-3 sata, potpuno podesivo / timer control: 1-3 hr, fully adjustable
Godina proizvodnje/ Year of manufacture:	2014
Cijena/ Price:	17117,05
Usluge/Services:	<ul style="list-style-type: none">- sušenje akrilamidnih gelova/ drying acrilamide gels- sušenje agaroznih gelova / drying agarose gels
Radno vrijeme/ Working hours:	9-17
Kontakt/Contact:	SILVIJA ČERNI, 489-8095, silvija.cerni@biol.pmf.hr

Naziv/Name: SUŠIONIK INKO ST60L/DRYING OVEN INKO ST60L

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Električna opskrba / Electric supply : 220 V/50 Hz
Volumen komore / Chamber volume : 60 L
Raspon temperature / Temperature range: 5°C - 300 °C
Timer funkcija / Timer function

**Godina proizvodnje/
Year of manufacture:** 2009

**Cijena/
Price:** 21.759,93

Usluge/Services: -

**Radno vrijeme/
Working hours:** 09:00-15:00

Kontakt/Contact: Sara Essert
+385 1 48-95-567
sara.essert@biol.pmf.hr

Naziv/Name: SUŠIONIK memmert 100-800/DRYING OVEN memmert 100-800

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Biološki odsjek/Department of Biology

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

**Godina proizvodnje/
Year of manufacture:** 2012.

**Cijena/
Price:** 18.000,00

Usluge/Services: -

**Radno vrijeme/
Working hours:** 09:00-15:00

Kontakt/Contact: Sven Jelaska
+385 1 48-95-568
Sven.jelaska@biol.pmf.hr

Naziv/Name:	Sušionik Memmert UFE 500
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally

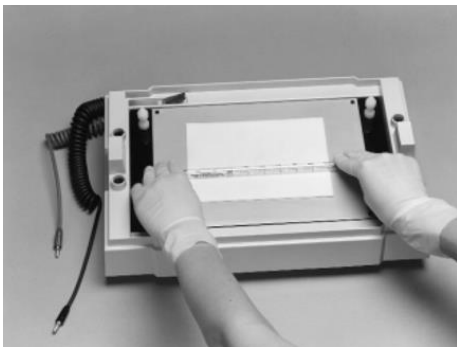


Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Volumen komore / Chamber volume : 108 L Raspon temperature / Temperature range: 30°C - 250 °C Dvostruko izolirana vrata od nehrđajućeg čelika, zaključavanje i podešavanje u 4 točke / Fully insulated stainless steel door with double locking and 4-point adjustment
Godina proizvodnje/ Year of manufacture:	2012.
Cijena/ Price:	16000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	Thermal Cycler uređaji modeli AB 9700, AB 2700, AB Proflex dual/ Thermal Cyclers AB 9700, AB 2700, AB Proflex dual
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek (Proflex dual posuđen s Agronomskog fakulteta)/Department of Biology (Proflex dual borrowed from the Faculty of Agriculture)
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Izmjenjivi blokovi, brza analiza do 2 x 384 uzoraka / Interchangeable block formats, rapid analysis of up to 2 x 384 samples
Godina proizvodnje/ Year of manufacture:	2005, 2010, 2017
Cijena/ Price:	200000 kn
Usluge/Services:	Umnožavanje DNA fragmenata <i>in vitro</i> / Amplification of DNA fragments <i>in vitro</i>
Radno vrijeme/ Working hours:	Ponedjeljak – petak 9-16h/ Monday - Friday 9-16h
Kontakt/Contact:	Prof. dr. sc. Zlatko Liber/Zlatko Liber, Full Professor

Naziv/Name:	TRANS-BLOT SD 170-3940 BIO-RAD
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally
	
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- za poliakrilamidne i agarozne gelove/ for polyacrylamide and agarose gels- transfer DNA i proteina / transfer of DNA and proteins- max. veličina gela / max. gel size: 25x18,5 cm- kapacitet gelova: 4 Mini-PROTEAN® precast gela, 4 Ready Gel® precast gela, 3 Criterion™ gela/gel capacity: 4 Mini-PROTEAN® precast gel sandwiches, 4 Ready Gel® precast gel sandwiches, 3 Criterion™ gel sandwiches- preporučeni uređaj za napajanje PowerPac™ HC/ recommended power supply PowerPac™ HC- minimalna količina pufera: 200 ml/ minimal buffer requirement: 200 mL
Godina proizvodnje/ Year of manufacture:	2012
Cijena/ Price:	23468,09
Usluge/Services:	<ul style="list-style-type: none">- omogućava <i>semi-dry</i> transfer proteina iz DNA iz agaroznih i poliakrilamidnih gelova bez korištenja kadica s puferom ili kasete s gelovima / allows fast, efficient, and economical blotting from agarose and polyacrylamide gels without a buffer tank or gel cassettes.- Western, Southern ili northern transfer može biti gotov za 15-60 minuta s minimalnim volumenom pufera / Western, Southern, or northern transfers can be completed in 15–60 min with minimal buffer requirements.
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	MARTINA ŠERUGA MUSIĆ, 489-8097, martina.seruga.music@biol.pmf.hr

Naziv/Name:	TRANS-BLOT TE 70 PWR AMERSHAM BIOSCIENCES
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- omogućava izvanredan elektroforetski transfer s niskom jakosti i naponom struje te minimalnom količinom pufera/ designed to deliver outstanding electrophoretic transfer results using low current and voltage with a minimal amount of buffer- prikladan za gelove dimenzija do 14 x 16 cm kao što su oni iz SE 400 and SE 600 Ruby electrophoresis unit sustava ili 2 miniVE gela/ suitable for gels up to 14 × 16 cm, such as from SE 400 and SE 600 Ruby electrophoresis units or from two miniVE gels side-by-side- dolazi s ugrađenim uređajem za napajanje/ comes with a built-in power supply- dugotrajna perforirana elektroda od platine i titana te nehrđajuća čelična elektroda omogućavaju uniformni transfer bez kontaminacija/ Long-lasting perforated platinum-titanium and stainless steel electrodes give uniform, contamination-free transfers
Godina proizvodnje/ Year of manufacture:	2017
Cijena/Price:	12772,50
Usluge/Services:	Semi-dry transfer proteina iz poliakrilamidnih gelova za Western blot / Semi-dry transfer of proteins polyacrylamide gels for Western blot
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	MARTINA ŠERUGA MUSIĆ, 489-8097, martina.seruga.music@biol.pmf.hr

Naziv/Name:	Transmisijski elektronski mikroskop (FEI MORGAGNI 268D)/ Transmission electron microscope (FEI MORGAGNI 268D)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of Molecular Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">• 70 kV transmisijski elektronski mikroskop (rutinski rad)• katoda-volframov filamet
Godina proizvodnje/ Year of manufacture:	2002
Cijena/ Price:	2.000.000,00 kn
Usluge/Services:	<ul style="list-style-type: none">• Analiza struktura i ultrastruktura bioloških uzoraka• Analiza uzoraka dobivenih istraživanjima u kemiji, kao i za morfološke analize novih materijala• Uzorci se mogu pregledavati:<ul style="list-style-type: none">-direktno, ako su dovoljno kontrastni i stabilni (alge kremenjašice, kemijski spojevi, elementi..)-kontrastirani (pojedinačni uzorci-bakterije, virusi, makromolekule..)-sjenčani teškim metalima (pojedinačni uzorci-bakterije, virusi, DNA..)- ultratanki prerezi dodatno kontrastirani

**Radno vrijeme/
Working hours:**

09:00-16:00

Kontakt/Contact:

Doc. dr. sc. Petra Peharec Štefanić

tel: 01 46 06 267

e-mail: ppeharec@zg.biol.pmf.hr Zamjena: Dr. sc. Petra Cvjetko

tel: 01 46 06 269

e-mail: petra.cvjetko@biol.pmf.hr

Naziv/Name:	U-CUP perfuzijski bioreaktor za uspostavu trodimenzionalne stanične i tkivne kulture, Cellec Biotek AG / U-C perfusion bioreactor for 3D cell and tissue culture establishment, Cellec Biotek AG
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	uređaj za uspostavljanje i kontroliranje 3D staničnih i tkivnih kultura sastoji se od: 1 x inekcijska pumpa, 1x stalak za jednokratne bioreaktore veličina nosača: 6 – 8 – 10 mm radni volumen medija /tekućine: 6 to 14 ml po jednom bioreaktoru brzina perfuzije: 1 $\mu\text{m/s}$ to 10000 $\mu\text{m/s}$ (ili viša ako je potrebno) gustoća stanica: do deset milijuna stanica po bioreaktoru / establish and control your 3D cell and tissue cultures contains following items: 1x syringe pump and 1 x rotating rack for positioning of U-CUP disposable bioreactors. scaffold size: 6 – 8 – 10 mm working volume: 6 to 14 ml per bioreactor perfusion velocity: 1 $\mu\text{m/s}$ to 10000 $\mu\text{m/s}$ (or higher if required) cell density: Wide range (up to tens of millions per bioreactor)
Godina proizvodnje/ Year of manufacture:	2014.
Cijena/ Price:	85.000,00 kn

Usluge/Services:

**Radno vrijeme/
Working hours:** 08:00-16:00 h

Kontakt/Contact: Inga Marijanović
+385(0)1 4826 275
inga.marijanovic@biol.pmf.hr

Naziv/Name:	Ultrazvučna kupelj Sonorex Super RK 100/H, (Bandelin) / Ultrasonic Bath Sonorex Super RK 100/H, (Bandelin)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



RK 100 H

Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- Kapacitet 3L / capacity 3 L- Radni volumen 2 L / operating volume 2 L- Snaga ultrazvuka 80 W / ultrasonic power 80 W- Frekvencija ultrazvuka 35 kHz / ultrasonic frequency 35 kHz- Grijač 30-80°C / heater 30-80°C- Brojač 1-15 min i ∞ /timer 1-15 min and ∞
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	6.300,00 kn
Usluge/Services:	Vodena kupelj s ultrazvukom za sonikaciju bioloških materijala / ultrasonic water bath for biological samples sonication
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Marija Klasić +385 (1) 4606 284 marija.klasic@biol.pmf.hr

Naziv/Name:	Ultrazvučna kupelj
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Brzo, učinkovito, učinkovito, jednostavno i sigurno čišćenje i obrada različitih instrumenata, komponenti i rješenja / Fast, effective, efficient, easy and safe cleaning and processing of diverse instruments, components and solutions - Košarica od nehrđajućeg čelika - Dizajnirana posebno za generiranje maksimalne ultrazvučne aktivnosti/Stainless steel basket - Designed specifically to generate maximum ultrasonic activity
Godina proizvodnje/ Year of manufacture:	2011
Cijena/ Price:	5313,60
Usluge/Services:	-čišćenje komponenti, tekućine za otplinjavanje, miješanje tekućina i spojeva, cijepanje stanica, otapanje tekućine / cleaning of components, degassing fluids, mixing fluids and compounds, cell disruption, fluid dissolution
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	Unicam UV4 UV/VIS Spektrofotometar/ Unicam UV4 UV/VIS Spectrometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Pregled spektra 190-900 nm, uzorci idu pojedinačno, povezan sa kompjutorom/spectroscopy 190-900 nm, single sample usage, connected to a computer
Godina proizvodnje/ Year of manufacture:	1994.
Cijena/ Price:	249.970,00 kn
Usluge/Services:	Pregled vidljivog, UV i IR spektra molekula 190-900 nm/UV,IR, VIS spectroscopy of molecules 190-900 nm
Radno vrijeme/ Working hours:	10:00-16:00 h
Kontakt/Contact:	Dubravko Pavković +385 1 4606267 dubravko@biol.pmf.hr

Naziv/Name:	UPARIVAČ/EVAPORATOR INGOS RVO 200A
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - podesivi tlak / adjustable pressure - mogućnost vakuuma / the possibility of vacuum - kupelj sa zagrijavanjem / bath with heating - podešavanje vremena rada / adjusting the time of operation - podesiva rotacija / adjustable rotation
Godina proizvodnje/ Year of manufacture:	2002
Cijena/ Price:	21951,46
Usluge/Services:	UPARAVANJE EKSTRAKATA
Radno vrijeme/ Working hours:	9-17
Kontakt/Contact:	VALERIJA VUJČIĆ, 489-8089, valerija.vujcic@biol.pmf.hr

Naziv/Name:	UREĐAJ PIROSEKVENCIJANJE PyroMark Q24 Advanced (Qiagen) / PYROSEQUENCING INSTRUMENT PyroMark Q24 Advanced (Qiagen)
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Zavod za molekularnu biologiju / Division of molecular biology
Dostupnost/Availability:	Interno / Internally
	
Tehničke karakteristike/ Technical characteristics:	Pirosekvenciranje do 24 uzorka za određivanje CpG metilacije ili genotipizaciju SNP-ova; stanica za pripremu uzoraka i računalo s programom za analizu rezultata dostupni uz uređaj / Pyrosequencing up to 24 samples for CpG methylation analysis of SNP genotyping; sample preparation unit and computer with software for analysis available on-site
Godina proizvodnje/ Year of manufacture:	20.02.2014
Cijena/ Price:	343.000,00 kn
Usluge/Services:	pirosekvenciranje / pyrosequencing
Radno vrijeme/ Working hours:	10:00-16:00 h
Kontakt/Contact:	Aleksandar Vojta +385 1 4606275 vojta@biol.pmf.hr

Naziv/Name:	UREĐAJ ZA IZOELEKTRIČNO FOKUSIRANJE GE ETTAN IPGphor3/ ISOELECTRICAL FOCUSING UNIT GE ETTAN IPGphor3
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Jedinica za izoelektričnost, prva dimenzija za razdvajanje proteina, kontrola temperature od 15 do 31°C, visoka struja do 10 kV, maksimum 12 gelova/ Isoelectrical focusing unit, first dimension separation of proteins, temperature control from 15 to 31°C, Integrated high-voltage DC power supply delivering, up to 10 kV, maximum of 12 strips
Godina proizvodnje/ Year of manufacture:	2009.
Cijena/ Price:	182.349,97 kn
Usluge/Services:	Izoelektričnost proteina/protein isoelectric focusing
Radno vrijeme/ Working hours:	10:00-16:00 h
Kontakt/Contact:	Dubravko Pavoković +385 (1) 4606267 dubravko@biol.pmf.hr

Naziv/Name:	UREĐAJ ZA RT-qPCR 7500FST REALTIME PCR SYS-W/TWR (ABI) / RT-qPCR INSTRUMENT 7500FST REALTIME PCR SYS-W/TWR (ABI)
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Zavod za molekularnu biologiju / Division of molecular biology
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	PCR u stvarnom vremenu (RT-qPCR) za analizu ekspresije ili fino određivanje broja kopija DNA sekvence, za do 96 uzoraka odjednom; računalo s programom za analizu rezultata dostupno uz uređaj / Real-time PCR analysis for determination of gene expression or precise quantitation of low-copy DNA targets, with throughput of up to 96 samples per run; computer with software for analysis available on-site
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	253.500,00 kn
Usluge/Services:	<i>realtime</i> PCR (RT-qPCR) / realtime PCR (RT-qPCR)
Radno vrijeme/ Working hours:	10:00-16:00 h
Kontakt/Contact:	Aleksandar Vojta +385 1 4606275 vojta@biol.pmf.hr

Naziv/Name:	Uređaj za usitnjavanje tkiva II (Retsch – Qiagen)/ Tyssue lyser II (Retsch – Qiagen)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek /Department of Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	1-192 uzoraka istovremeno, adapteri s uzorcima mogu se prethodno ohladiti na -80 ° C, spriječavanje kontaminacije drugim uzorkom, učinkovito usitnjavanje biljnih i životinjskih tkiva i bakterija / 1–192 samples per run, adapter sets with samples can be pre-cooled at -80°C, prevention of cross-contamination, efficient disruption of plant and animal tissues and bacteria
Godina proizvodnje/ Year of manufacture:	2008
Cijena/ Price:	82000 kn
Usluge/Services:	Usitnjavanje različitih bioloških uzoraka brzom trešnjom (30 Hz) zajedno s kuglicama od nehrđajućeg čelika, volframovog karbida ili stakla u plastičnim i metalnim posudama / Disruption of multiple biological samples through high-speed shaking in plastic and metal tubes with stainless steel, tungsten carbide, or glass beads
Radno vrijeme/ Working hours:	Ponedjeljak – petak 9-16h/ Monday - Friday 9-16h
Kontakt/Contact:	Prof. dr. sc. Zlatko Liber/Zlatko Liber, Full Professor

Naziv/Name:	UV uređaj za križno povezivanje CL—E508 / UV CROSSLINKER® CL-E508
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



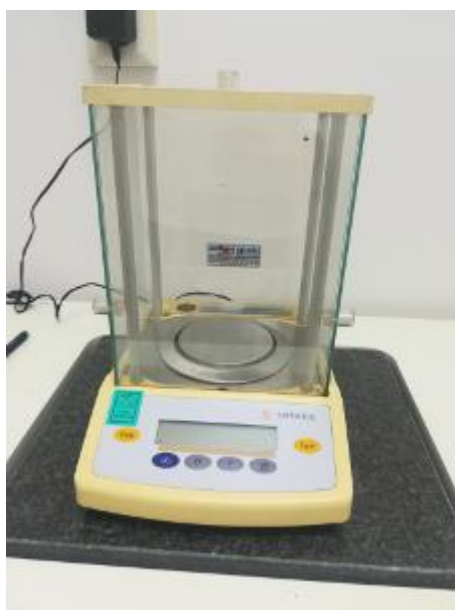
Tehničke karakteristike/ Technical characteristics:	Unutrašnja dimenzija komore (v 14.5cm, dub 33cm, š 26cm)/internal chamber dimensions (h 14.5cm, dep. 33cm, w 26cm); Težina 10 kg/weight 10 kg; UV valna duljina 254nm, 312nm ili 365nm/ultraviolet wavelength 254nm, 312nm or 365nm; UV izvor 5 x 8-wat žarulje/ultraviolet source 5 x 8-watt tubes
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	
Usluge/Services:	
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr

Naziv/Name:	Vaga Ohaus Adventurer pro
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply : 230 V/50 Hz Model: AV 313 PRO Kapacitet vaganja / Weighing capacity : 310 g Očitanje / Readability: 0,001 g
Godina proizvodnje/ Year of manufacture:	2011. g.
Cijena/ Price:	10200 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Sunčica Bosak +385 1 48 777 16 suncica.bosak@biol.pmf.hr

Naziv/Name:	Vaga Sartorius TE 214S
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Biološki odsjek / Department of Biology Botanički zavod / Division of Botany
Dostupnost/Availability:	Interno / Internally



Tehničke karakteristike/ Technical characteristics:	Očitanje / Readability : 0,0001 g Kapacitet vaganja / Weighing capacity : 120 g Veličina mjerne plohe / Pan size : 90 mm Ø Prosjek vremena stabilizacije / Response time average – 3 s
Godina proizvodnje/ Year of manufacture:	2006. g.
Cijena/ Price:	15000 kn
Usluge/Services:	-
Radno vrijeme/ Working hours:	09:00 – 12:00
Kontakt/Contact:	Martina Galeković +385 1 4877 743 martina.galekovic@biol.pmf.hr

Naziv/Name:	Vakuum pumpa/ Diaphragm Vacuum pump
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Botanički zavod/Division of Botany
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Električna opskrba / Electric supply – 230 V/50 Hz Najveći vakuum pritisak / Ultimate vacuum – 200 Mbar Snaga motora / Motor power - 160 W Brzina pumpanja / Pumping speed – 30 L/min
Godina proizvodnje/ Year of manufacture:	2016.
Cijena/ Price:	4.312,50
Usluge/Services:	-
Radno vrijeme/ Working hours:	8.00-17.00
Kontakt/Contact:	Marija Gligora Udovič +98516189706 marija.gligora.udovic@biol.pmf.hr

Naziv/Name:	VERTIKALNI LAMINARNI KABINET KTV-A II
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Tip strujanja zraka: laminarno, vertikalno/ Airflow type: laminar, vertical - Brzina strujanja zraka: 0.25-0.45 m/s, sa mogućnosti podešavanja / Air Flow Rate: 0.25-0.45 m / s, with setting options - Klasa čistoće / Class of purity: ISO klasa 5(4), 100(10) klasa po U.S.F.S. 209 E, GMP klasa A - Radni prostor (mm) širina x dubina x visina/ Working area (mm) Width x Depth x height: 925 x 600 x 650 1230 x 600 x 650 - UV baktericidna lampa / UV bactericidal lamp
Godina proizvodnje/ Year of manufacture:	2008
Cijena/ Price:	41412,90
Usluge/Services:	Zahvaljujući posebnom sustavu distribucije zrak laminarno struji u radni prostor gdje osigurava visoki stupanj čistoće radnog prostora. / Thanks to a special air distribution system, the air flows laminarly into the work area where it ensures a high level of cleanliness of the work space.
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	Vertikalni uređaj za izradu kapilara P-30)(Sutter Instruments)/ Vertical Micropipette Puller P-30 (Sutter Instruments)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of Molecular Biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">• Dimenzije/Dimensions 46cm x 25cm x 23cm / 18in x 10in x 9in Težina/ Weight/ 16 kg/35 lbs Napajanje 115/230 volts / Electrica 50/60 Hertz power line
Godina proizvodnje/ Year of manufacture:	2008.
Cijena/ Price:	5000 USD
Usluge/Services:	<ul style="list-style-type: none">• izrada mikropilara i iglica promjera 0.3µm/pull micropipettes with tip diameters as small as 0.3µm
Radno vrijeme/ Working hours:	09:00-16:00 h
Kontakt/Contact:	Andreja Škiljaica +385(0)1 4826 262 andreja.skiljaica@biol.pmf.hr Mateja Jagić +385(0)1 4826 262 mateja.jagic@biol.pmf.hr

Naziv/Name:	Video okular/Video ocular
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zoologijski zavod /Division of Zoology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	A. Krüss Optronik Gmbh Digitalni okular i kamera/digital ocular and camera 3.0M pixels, USB2.0
Godina proizvodnje/ Year of manufacture:	2009
Cijena/ Price:	9.000,00 kn
Usluge/Services:	Snimanje, slikanje i promatranje uzoraka i živih uzoraka, trajnih preparata i privremenih suhих i mokrih preparata Video, photo and observation of samples and living samples, permanent slides/preparations and temporary dry and wet slides/preparations (ne usluge, već interno, u svrhu znanstvenog rada i nastave; not as a service, but internally for scientific work and teaching)
Radno vrijeme/ Working hours:	U pravilu od/in general: 8-16 h
Kontakt/Contact:	Goran Kovačević +385 1 6189702 goran.kovacevic@biol.pmf.hr

Naziv/Name:	VODENA KUPELJ JULABO SW22 /WATER BATH JULABO SW22
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- vijak za praktično pražnjenje kupke / Drain screw for conveniently emptying the bath
- Frekvencija trešnje podesiva od 20 - 200 okr/min / Shaking frequency adjustable from 20 to 200 rpm
- mikroprocesorska tehnologija s PID temperaturnom kontrolom / microprocessor technology with PID temperature control
- Odvojiv nosač za trešnju / Removable shaking carriage
- radna temperatura: 20 ° C - 99,9 ° C / working temperatures : 20 °C - 99.9 °C

**Godina proizvodnje/
Year of manufacture:**

Cijena/Price:

Usluge/Services:

- za inkubaciju ili inaktivaciju / for incubation or inactivation
- kao parna kupelj / like a steam bath
- za otapanje krutina u otopinama / for dissolving solids in solutions

**Radno vrijeme/
Working hours:**

8-16

Kontakt/Contact:

DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Naziv/Name:	Vodena kupelj s poklopcem PRECISTERM SELECTA 6000140 / Benchtop water bath PRECISTERM SELECTA 6000140
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially
	
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- vanjske dimenzije / ext. dimension in mm: 150 x 300 x 300 mm- unutarnje dimenzije / int. dimension in mm 200 x 400 x 420- max temp.110°C- težina / weight: 12 kg- volumen vode/ capacity: 12 l
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	8.280,14 kn
Usluge/Services:	Vodena kupelj se koristi u laboratorijima za održavanje temperature uzoraka i tekućina konstantnom/ Water bath is used in the laboratory to maintain the temperature of the samples and fluids constant.
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr

Naziv/Name:	Vodena kupelj s poklopcem WB-12, Phoenix Instruments/ Benchtop water bath WB-12 , Phoenix Instruments
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology Zavod za molekularnu biologiju/Division of molecular biology
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<p>Vodena kupelj se koristi u laboratorijima za održavanje temperature uzoraka i tekućina konstantnom.</p> <ul style="list-style-type: none">- vanjske dimenzije (ŠxVxD): 480 x 375 x 310 mm- unutarnje dimenzije(ŠxVxD): 390 x 220 mm-temperaturni opseg: 5 °C – 100 °C- težina: 12 kg-vremenski brojač i kontinuirana funkcija-vizualni i zvučni alarm <p>/</p> <p>Water bath is generally used in the laboratory to maintain the temperature of the samples and fluids constant.</p> <ul style="list-style-type: none">- ext. dimension (WxHxD) in mm: 480 x 375 x 310 mm- int. dimension (WxHxD) in mm: 390 x 220 mm- capacity: 12 l- temperature range: 5 °C – 100 °C- weight: 12 kg- timer and continuous function- visual and sound alarm
Godina proizvodnje/ Year of manufacture:	2016.

Cijena/ Price:	3.562,50 kn
Usluge/Services:	<p>Ova oprema je dio projekta koji je primio sredstva od Europske unije iz programa za istraživanje i inovaciju Obzor2020 u okviru sporazuma o dodjeli bespovratnih sredstava N° 681103, projekt Bio-Chip. Tijekom trajanja projekta BioChip (do kraja 2019. godine) oprema se smije koristiti isključivo za potrebe projekta od strane osoba zaposlenih na projektu.</p> <p>/</p> <p>This equipment is part of a project that has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement N° 681103. During the duration of the H2020 project Bio-Chip (end of 2019), this equipment may be used solely for the needs of the project and by personnel employed on the project</p>
Radno vrijeme/ Working hours:	08:00-16:00 h
Kontakt/Contact:	<p>Inga Marijanović +385(0)1 4826 275 ingam@zg.biol.pmf.hr</p> <p>Maja Pušić +385(0)1 4826 271 maja.pusic@biol.pmf.hr</p>

Naziv/Name:	ZAMRZIVAČ -80°C JOUAN VX100 / FREEZER -80°C JOUAN VX100
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Biološki odsjek/Department of Biology ZAVOD ZA MIKROBIOLOGIJU I BOTANIČKI ZAVOD/DIVISION OF MICROBIOLOGY & DIVISION OF BOTANY
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- zvučni alarm /a buzzer for audible alarm-podesiva brava koja progresivno zateže vrata / an adjustable door keylock which tightens progressively- detektor otvorenih vrata/ an open door detector- 2 PT senzora /2 PT sensors
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	posudba
Usluge/Services:	- čuvanje uzoraka i reagensa na temperaturi od -80°C / Storage of samples and reagents at a temperature of -80 ° C
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	DARINKA KAJIĆ, 489-8080, darinka.kajic@biol.pmf.hr

Fizički odsjek / Department of Physics

Naziv/Name:	9 T supravodljivi magnet/9 T superconducting magnet
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek, Zavod za eksperimentalnu fiziku/Department of Physics, Experimental physics division
Dostupnost/Availability:	Interno/Internally Komerrijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - temperaturno područje: 1.7K - 300K/temperature range: 1.7K - 300K - magnetsko polje: do 9T/magnetic field: up to 9T - bipolarno napajanje (pozitivna i negativna magnetska polja)/bipolar power supply (positive and negative magnetic fields)
Godina proizvodnje/ Year of manufacture:	1990
Cijena/ Price:	400,000 kn
Usluge/Services:	<ul style="list-style-type: none"> - mjerenje ovisnosti otpora o temperaturi (1.7K - 300K)/temperature dependence of resistance (1.7K - 300K) - mjerenje magnetotransportnih svojstava (magnetootpor i Hallov efekt; do 9T)/magnetotransport properties (magnetoresistance, Hall effect; up to 9T) - jednoosna <i>in situ</i> orijentacija uzorka u odnosu na magnetsko polje/single axis <i>in situ</i> sample orientation relative to magnetic field
Radno vrijeme/ Working hours:	09:00 - 16:00
Kontakt/Contact:	Mario Basletić +385 1 460 5555 basletic@phy.hr Emil Tafra +385 1 460 5555 etafra@phy.hr

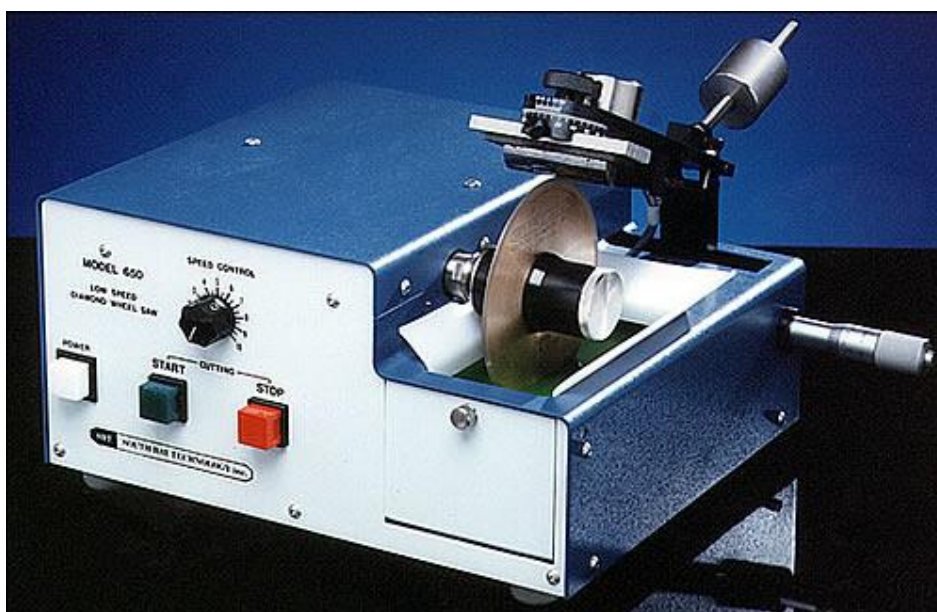
Naziv/Name:	18 T supravodljivi magnet s varijabilnim temperaturnim umetkom/18 T superconducting magnet with Variable Temperature Insert
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek, Zavod za eksperimentalnu fiziku/Department of Physics, Experimental physics division
Dostupnost/Availability:	Interno/Internally Komerrijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- temperaturno područje: 1.5K - 300K/temperature range: 1.5K - 300K- magnetsko polje: do 18T/magnetic field: up to 18T- bipolarno napajanje (pozitivna i negativna magnetska polja)/bipolar power supply (positive and negative magnetic fields)- kontinuirani prolazak kroz nulto polje/continuous zero field crossing
Godina proizvodnje/ Year of manufacture:	2002
Cijena/ Price:	1,000,000 kn
Usluge/Services:	<ul style="list-style-type: none">- mjerenje ovisnosti otpora o temperaturi (1.5K - 200K)/temperature dependence of resistance (1.5K - 200K)- mjerenje magnetotransportnih svojstava (magnetootpor i Hallov efekt; do 18T)/magnetotransport properties (magnetoresistance, Hall effect; up to 18T)- jednoosna <i>in situ</i> orijentacija uzorka u odnosu na magnetsko polje/single axis <i>in situ</i> sample orientation relative to magnetic field
Radno vrijeme/ Working hours:	09:00 - 16:00
Kontakt/Contact:	Mario Basletić +385 1 460 5555

basletic@phy.hr
Emil Tafra
+385 1 460 5555
etafra@phy.hr

Naziv/Name:	Dijamantna pila za uzorke / Dimond saw for samples
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Division of Experimental Physics
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Oprema služi za precizno rezanje kristalnih uoraka
Godina proizvodnje/ Year of manufacture:	2015
Cijena/ Price:	48038,02 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	Miroslav Požek Tel. +385 1 4605541 mpozek@phy.hr

Naziv/Name:	Generator mikrovalova/ Microwave generator
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Division of Experimental Physics
Dostupnost/Availability:	Interno/Internally



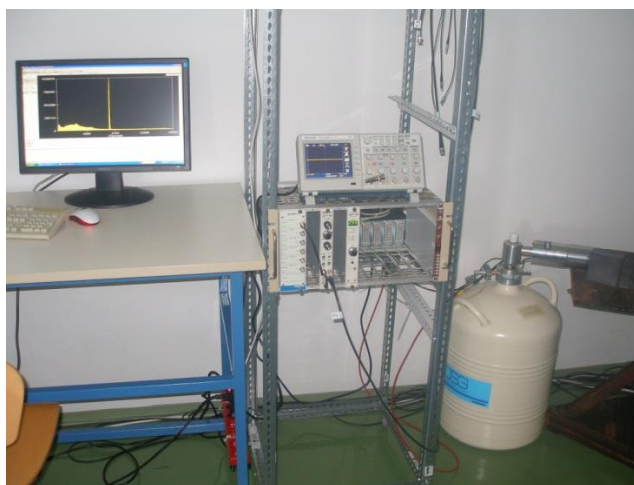
Tehničke karakteristike/ Technical characteristics:	Generator signala 1-20 GHz / Signal generator 1-20 GHz
Godina proizvodnje/ Year of manufacture:	2004
Cijena/ Price:	103. 000,00 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	Miroslav Požek Tel. +385 1 4605541 mpozek@phy.hr

Naziv/Name:	He3 Heliox kriostat/He3 Heliox Cryostat
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek, Zavod za eksperimentalnu fiziku/Department of Physics, Experimental physics division
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - umetak s He3, s baznom temperaturom manjom od 300mK/He3 insert with 300mK base temperature - nosač uzoraka domaće izrade, s CERNOX i ROX temperaturnim senzorima/custom made sample holder with CERNOX and ROX temperature sensors
Godina proizvodnje/ Year of manufacture:	2002
Cijena/ Price:	300,000 kn
Usluge/Services:	<ul style="list-style-type: none"> - mjerenje ovisnosti otpora o temperaturi (300mK - 200K)/temperature dependence of resistance (300mK - 200K) - mjerenje magnetotransportnih svojstava (magnetootpor i Hallov efekt; do 18T)/magnetotransport properties (magnetoresistance, Hall effect; up to 18T)
Radno vrijeme/ Working hours:	09:00 - 16:00
Kontakt/Contact:	Mario Basletić +385 1 460 5555 basletic@phy.hr Emil Tafra +385 1 460 5555 etafra@phy.hr

Naziv/Name:	HPGe detektorski sustavi/ HPGe detector systems
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Division of experimental physics
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Relativna efikasnost 30% / Relative efficiency 30% Rezolucija na 122 keV – 875 eV / Resolution at 122 keV – 875 eV Rezolucija na 1.33 MeV – 1850 eV / Resolution at 1.3 MeV – 1850 eV
Godina proizvodnje/ Year of manufacture:	2006.
Cijena/ Price:	-
Usluge/Services:	Gama spektroskopija / Gamma spectroscopy
Radno vrijeme/ Working hours:	-
Kontakt/Contact:	Prof. dr. sc. Damir Bosnar bosnar@phy.hr

Naziv/Name:	Polarizacijski optički mikroskop Nikon Eclipse LV150NL s grijačem pločom/Polarizing optical microscope Nikon Eclipse LV150NL with hot stage
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Experimental physics division
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Povećanje 100x i 500x/Magnification 100x and 500x - Zagrijavanja uzoraka do 600°C, brzinama do 150°C/min (Linkam THMS600 hot stage)/Heating of the samples up to 600°C, heating rate up to 150°C/min (Linkam THMS600 hot stage) - Opremljen kamerom za snimanje OPTOCAM-II, 1600x1200 piksela/Equipped with the OPTOCAM-II camera, resolution 1600x1200 pixel
Godina proizvodnje/ Year of manufacture:	2015. g
Cijena/ Price:	220000 kn
Usluge/Services:	- Snimanja uzoraka u rasponu od sobne temperature do 600°C
Radno vrijeme/ Working hours:	09-16 h
Kontakt/Contact:	Žejko Skoko tel.: +38514605813, +38514605500 e-mail: zskoko@phy.hr

Spektrometar frekvencija 200 kHz – 500 MHz Naziv/Name:	Pomicatelj faza / Phase shifter
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Division of Experimental Physics
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Fazni klizač pomiče rezonantnu frekvenciju sonde sa zavojnicom. Izrazito je prikladan u situacijama kad se mjerna frekvencija mijenjau velikom rasponu. / Phase shifter very convenient in situations of broad frequency measurements
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	30347,6kn
Usluge/Services:	
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	Miroslav Požek Tel. +385 1 4605541 mpozek@phy.hr

Naziv/Name:	Radiofrekventni izvor signala / Radiofrequent signal source
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Division of Experimental Physics
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Oprema služi za generiranje sinusoidalnih signala proizvoljne frekvencije za mjerenja visokofrekventne vodljivosti Izvor izmjeničnog napona frekvencija od 9 kHz do 1.1 GHz
Godina proizvodnje/ Year of manufacture:	2015
Cijena/ Price:	40702,65kn
Usluge/Services:	
Radno vrijeme/ Working hours:	8-16
Kontakt/Contact:	Miroslav Požek Tel. +385 1 4605541 mpozek@phy.hr

Naziv/Name:	Rendgenski difraktometar za polikristalna uzorke Philips PW-1820/X-ray diffractometer for polycrystals PW-1820
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Experimental physics division
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Snimanje polikristalnih uzoraka/recording of polycrystals - Niskotemperaturno snimanje do 100 K/low temperature recording down to 100 K - Visokotemperaturno snimanje do 550 K/high temperature recording up to 550 K - Bragg-Brentano geometrija/Bragg-Brentano geometry
Godina proizvodnje/ Year of manufacture:	1991. g
Cijena/ Price:	-
Usluge/Services:	<ul style="list-style-type: none"> - Snimanje na sobnoj temperaturi, niskoj i visokoj - Obrada mjerenja (kvalitativna i fazna analiza, mikrostrukturalna analiza, utočnjavanje strukture.../Measurements analysis (qualitative and quantitative analysis, microstructural analysis, structure refinement...)
Radno vrijeme/ Working hours:	09-16 h
Kontakt/Contact:	Žejko Skoko tel.: +38514605813, +38514605500 e-mail: zskoko@phy.hr

Naziv/Name: Spektrometar za širokopojasni NMR/ Broadband NMR spectrometer

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Fizički odsjek/Department of Physics
Zavod za eksperimentalnu fiziku/Division of Experimental Physics

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** UPISATI OSNOVNE TEH. KARAKTERISTIKE U OBLIKU NATUKNICA (DO 5 NATUKNICA) (HR/EN)

**Godina proizvodnje/
Year of manufacture:** 2010

**Cijena/
Price:** 2.000.000,00 kn

Usluge/Services:

**Radno vrijeme/
Working hours:** 8-16

Kontakt/Contact: Miroslav Požek
Tel. +385 1 4605541
mpozek@phy.hr

Naziv/Name: Spektrometar za širokopojasni NQR/ Broadband NQR spectrometer

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Fizički odsjek/Department of Physics
Zavod za eksperimentalnu fiziku/Division of Experimental Physics

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Spektrometar frekvencija 200 kHz – 500 MHz; pulsno pojačalo 1 kW /
Spectrometer frequencies 200 kHz – 500 MHz; pulsed amplifier 1 kW

**Godina proizvodnje/
Year of manufacture:** 2009

**Cijena/
Price:** 1.600.000,00 kn

Usluge/Services:

**Radno vrijeme/
Working hours:** 8-16

Kontakt/Contact: Miroslav Požek
Tel. +385 1 4605541
mpozek@phy.hr

Spektrometar frekvencija 200 kHz – 500 MHz Naziv/Name: Stakleni istraživački kriostat s tekućim helijem / Glass liquid helium research Dewar

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Fizički odsjek/Department of Physics
Zavod za eksperimentalnu fiziku/Division of Experimental Physics

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Sustav od jedne staklene dewar posude za helij i jedne staklene dewar posude za dušik te stalka. Posude imaju prozirnu vrpcu za vizualno očitavanje razine tekućeg helija./ Lhe-glass cryostat with Schott flange NW100, type LHC 4F

**Godina proizvodnje/
Year of manufacture:** 2016

**Cijena/
Price:** 55932,34kn

Usluge/Services:

**Radno vrijeme/
Working hours:** 8-16

Kontakt/Contact: Miroslav Požek
Tel. +385 1 4605541
mpozek@phy.hr

Naziv/Name: Supravodljivi magnetski sistem 9T / Superconducting magnet system 9T

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Fizički odsjek/Department of Physics
Zavod za eksperimentalnu fiziku/Division of Experimental Physics

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Supravodljivi magnet s varijabilnim magnetskim poljem 0 - 9T /
Superconducting magnet with variable magnetic field 0 – 9T

**Godina proizvodnje/
Year of manufacture:** 1997

**Cijena/
Price:** 300.000,00 kn

Usluge/Services:

**Radno vrijeme/
Working hours:** 8-16

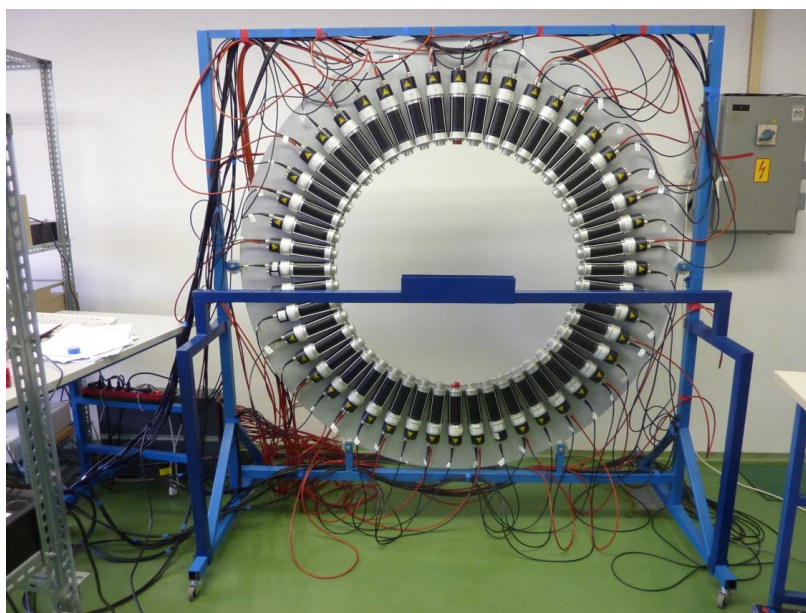
Kontakt/Contact: Miroslav Požek
Tel. +385 1 4605541
mpozek@phy.hr

Naziv/Name: Sustav od 48 BaF2 detektora/ System of 48 BaF2 detectors

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Fizički odsjek/Department of Physics
Zavod za eksperimentalnu fiziku/Division of experimental physics

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** -

**Godina proizvodnje/
Year of manufacture:** -

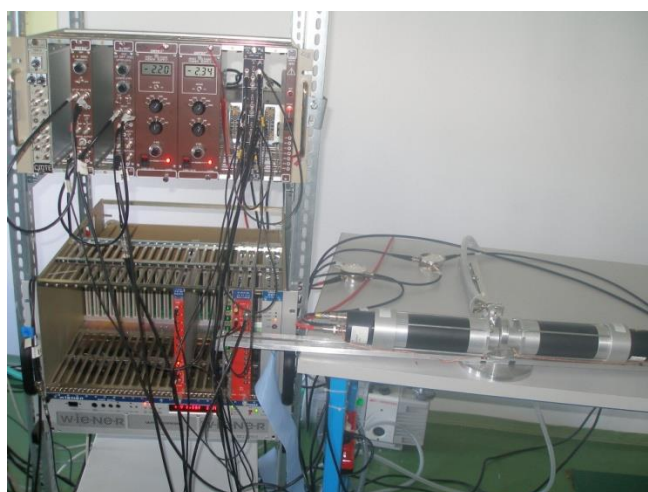
**Cijena/
Price:** -

Usluge/Services: -

**Radno vrijeme/
Working hours:** -

Kontakt/Contact: Prof. dr. sc. Damir Bosnar
bosnar@phy.hr

Naziv/Name:	Sustavi za mjerenje vremena života pozitrona/Systems for positron annihilation lifetime spectroscopy
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Division of experimental physics
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Vremenska rezolucija ~200 ps / Time resolution ~200 ps
Godina proizvodnje/ Year of manufacture:	2007
Cijena/ Price:	-
Usluge/Services:	Spektroskopija pozitronske anihilacije / Positron annihilation spectroscopy
Radno vrijeme/ Working hours:	-
Kontakt/Contact:	Prof. dr.sc. Damir Bosnar bosna@phy.hr

Naziv/Name: Turbomolekularni vakuumski sustav/ Turbomolecular pumping station

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Fizički odsjek/Department of Physics
Zavod za eksperimentalnu fiziku/Division of Experimental Physics

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** Sustav od jedne rotacijske i jedne turbomolekularne pumpe s kontrolnom elektronikom


**Godina proizvodnje/
Year of manufacture:** 2015

**Cijena/
Price:** 53308,78kn

Usluge/Services:

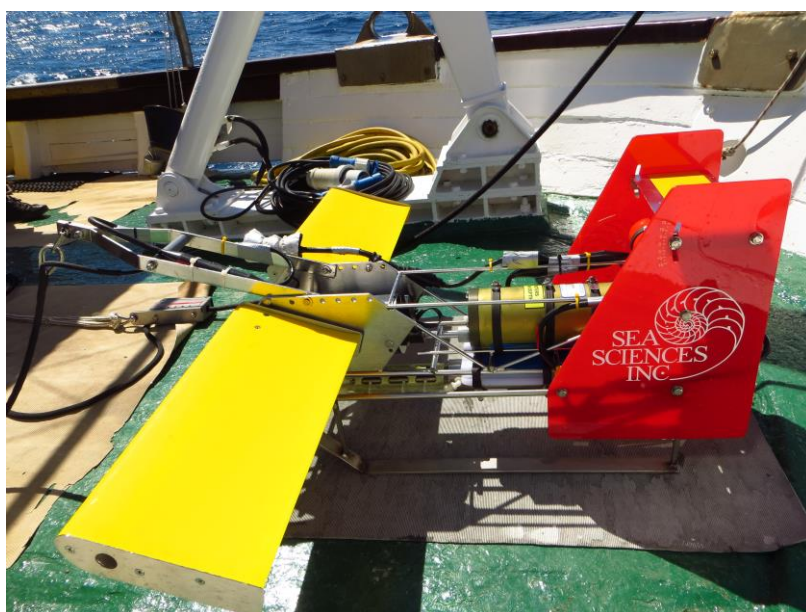
**Radno vrijeme/
Working hours:** 8-16

Kontakt/Contact: Miroslav Požek
Tel. +385 1 4605541
mpozek@phy.hr

Naziv/Name:	Visokorazlučivi transmisijski elektronski mikroskop JEOL JEM-2010 TEM/High resolution transmission electron microscope JEOL JEM-2010 TEM
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Zavod za eksperimentalnu fiziku/Experimental physics division
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially
	
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - snimanje ne-bioloških uzoraka/used for material research - 200 kV napon ubrzanja i LaB6 filament/200 kV accelerating voltage and LaB6 filament - visokorazlučive snimke s točkastom rezolucijom 0.23 nm/high resolution imaging with 0.23 point resolution - elektronska difrakcija konvergentnom zrakom/convergent-beam diffraction
Godina proizvodnje/ Year of manufacture:	1991. g
Cijena/ Price:	-
Usluge/Services:	<ul style="list-style-type: none"> - snimanje pri povećavnjima do 1000000x/high resolution imaging with magnification up to 1000000x - analiza slika/image analysis
Radno vrijeme/ Working hours:	09-16 h
Kontakt/Contact:	Žejko Skoko tel.: +38514605813, +38514605500 e-mail: zskoko@phy.hr

Geofizički odsjek / Department of Geophysics

Naziv/Name:	Undulator/Yo-yo profiler
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geofizički odsjek /Department of Geophysics
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Brzina tegljenja: 3-7 čvorova; vertikalna rezolucija: <10 cm; horizontalna rezolucija: ~ 200 m (ovisno o dubini), frekvencija uzorkovanja: 16 Hz; maksimalna dubina: 50 m./ Ship speed: 3-7 knots; vertical resolution: < 10 cm; horizontal resolution: ~ 200 m (depth dependent), sampling frequency: 16 Hz; maximal depth: 50 m;
Godina proizvodnje/ Year of manufacture:	2005-2015
Cijena/ Price:	600.000 kn
Usluge/Services:	Kvazisinoptička, 3D mjerenja hidrografskih svojstava u moru/Quasi-synoptic 3D measurements of hydrographic properties in sea
Radno vrijeme/ Working hours:	Po dogovoru./As agreed.
Kontakt/Contact:	Zoran Pasarić +385 1 4605908 pasaric@irb.hr

Naziv/Name:	Laboratorij za napredno računanje/Laboratory for advanced computing
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Fizički odsjek/Department of Physics Geofizički odsjek /Department of Geophysics Matematički odsjek/Department of Mathematics
Dostupnost/Availability:	Interno/Internally

Tehničke karakteristike/ Technical characteristics:	umrežena računala za paralelno računanje/networked computers for parallel computing
Godina proizvodnje/ Year of manufacture:	2008-15.
Cijena/ Price:	2.100.000 kn
Usluge/Services:	okolina za pripremu i izvršavanje zahtjevnih računalnih programa/environment for preparation and execution of demanding computer programs
Radno vrijeme/ Working hours:	pon.-pet. 9-16/M-F 9-16
Kontakt/Contact:	Krunoslav Komugović +385 1 4605869 kkomugo@math.hr

Naziv/Name:	
Tip opreme/ Type of equipment:	Seizmološka mreža postaja / Seismic network
Lokacija/Location:	Geofizički odsjek /Department of Geophysics
Dostupnost/Availability:	Interno/Internally

NIJE PRIMJENJIVO/NOT APPLICABLE

Tehničke karakteristike/ Technical characteristics:	Seizmometar, digitalizator, sustav veze / Seismometer, digitizer, uplink
Godina proizvodnje/ Year of manufacture:	2003 –
Cijena/ Price:	(cijena po postaji od 10kEUR-30kEUR / price per station in range of 10kEUR-30kEUR)
Usluge/Services:	Praćenje seizmičke aktivnosti u realnom vremenu / Real-time seismic monitoring
Radno vrijeme/ Working hours:	24 sata, 365 dana u godini/ 24 hours, 365 days per year
Kontakt/Contact:	Mr.sc. Ivo Allegretti alleg@irb.hr 01/4605912

Naziv/Name:

**Tip opreme/
Type of equipment:** Akceleroografska mreža postaja / Accelerometer network

Lokacija/Location: Geofizički odsjek /Department of Geophysics

Dostupnost/Availability: Interno/Internally

**Tehničke karakteristike/
Technical characteristics:** Akcelerometar, digitalizator / Accelerometer, digitizer

**Godina proizvodnje/
Year of manufacture:** 1990 –

**Cijena/
Price:** (cijena po postaji od 2keUR-10keUR / price per station in range of 2keUR-10keUR)

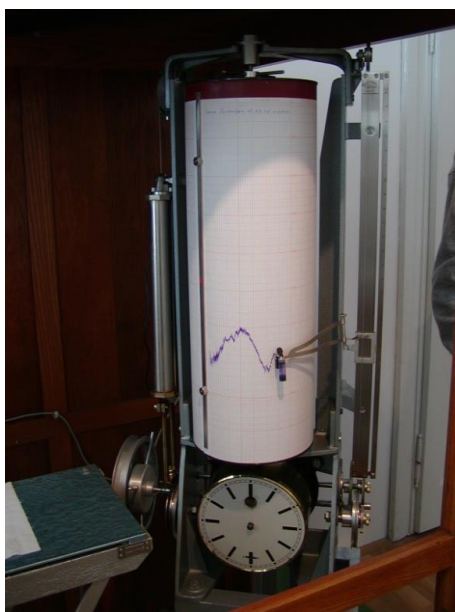
Usluge/Services: Praćenje akceleracije tla kod jakih potresa / Strong earthquake monitoring

**Radno vrijeme/
Working hours:** 24 sata, 365 dana u godini/ 24 hours, 365 days per year

Kontakt/Contact: Mr.sc. Ivo Allegretti
alleg@irb.hr
01/4605912

Naziv/Name:	Geomagnetski opservatorij u Lonjskom Polju
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geofizički odsjek /Department of Geophysics
Dostupnost/Availability:	Interno/Internally
Tehničke karakteristike/ Technical characteristics:	Magnetometri, solarno napajanje, sustavi za akviziciju i transmisiju podataka/ magnetometers, solar power supply, data acquisition and transmission systems.
Godina proizvodnje/ Year of manufacture:	2003.-2017.
Cijena/ Price:	740.000,00 kn
Usluge/Services:	Kontinuirana mjerenja geomagnetskih elemenata/Continuous measurements of geomagnetic elements
Radno vrijeme/ Working hours:	24 sata, 365 dana u godini/ 24 hours, 365 days per year
Kontakt/Contact:	Igor Mandić +385 1 4605931 mandici@gfz.hr

Naziv/Name:	Analogni mareograf/ Tide gauge
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geofizički odsjek (Mareografska postaja Bakar) /Department of Geophysics (Tide gauge station Bakar)
Dostupnost/Availability:	Interno/Internally

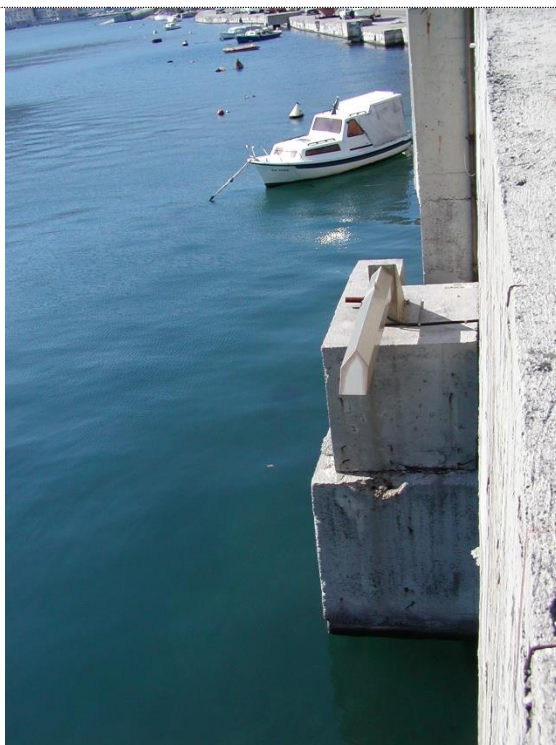


Tehničke karakteristike/ Technical characteristics:	Analogni mareograf s plovkom, u bunaru (proizvođač Ott GmbH)/ Float operated chart recorder in a stilling well (manufacturer Ott GmbH)
Godina proizvodnje/ Year of manufacture:	1979
Cijena/ Price:	-
Usluge/Services:	Podaci o razini mora (dt = 1 h)/Tide gauge data (dt = 1 h)/
Radno vrijeme/ Working hours: -	9 - 17
Kontakt/Contact:	mpasaric@gfz.hr

Naziv/Name:	Digitalni mareograf/ Digital tide gauge
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geofizički odsjek (Mareografska postaja Bakar) /Department of Geophysics (Tide gauge station Bakar)
Dostupnost/Availability:	Interno/Internally

Tehničke karakteristike/ Technical characteristics:	Digitalni mareograf s plovkom, u bunaru (proizvođač Ott GmbH)/ Float operated digital recorder in a stilling well (manufacturer Ott GmbH)
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	-
Usluge/Services:	Podaci o razini mora u skoro realnom vremenu (dt = 1 min)/ Near-real time tide gauge data (dt = 1 min)
Radno vrijeme/ Working hours: -	9 - 17
Kontakt/Contact:	mpasaric@gfz.hr

Naziv/Name:	Radarski mareograf/ Radar tide gauge
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geofizički odsjek (Mareografska postaja Bakar) /Department of Geophysics (Tide gauge station Bakar)
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Radarski mareograf (Kalesto, proizvođač Ott GmbH)/ Radar tide gauge (Kalesto, manufacturer Ott GmbH)
Godina proizvodnje/ Year of manufacture:	2013
Cijena/ Price:	-
Usluge/Services:	Podaci o razini mora u skoro realnom vremenu (dt = 1 min)/ Near-real time tide gauge data (dt = 1 min)
Radno vrijeme/ Working hours: -	9 - 17
Kontakt/Contact:	mpasaric@gfz.hr

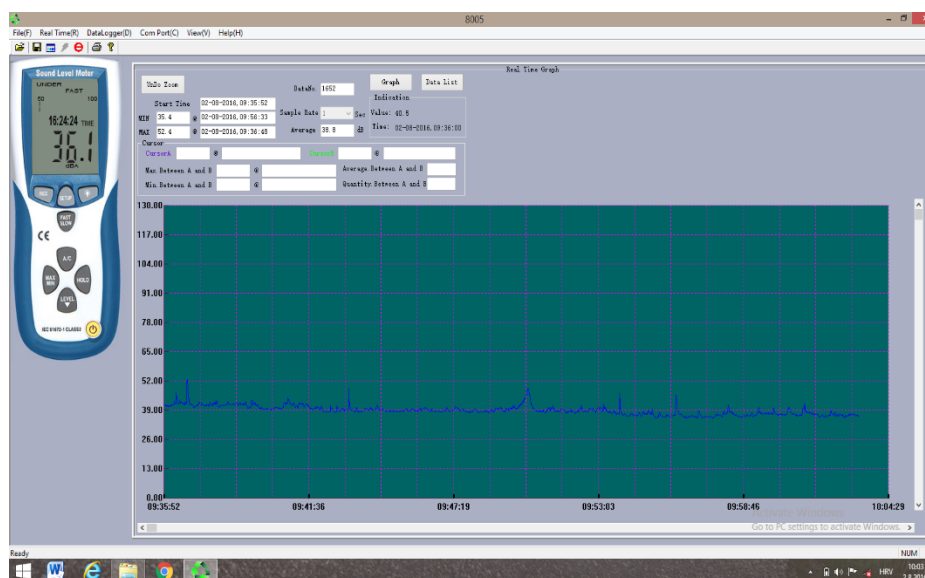
Geografski odsjek / Department of Geography

Naziv/Name: Fonometar PeakTech / Sound Level Meter

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geografski odsjek/Department of Geography
Zavod za fizičku geografiju/Division of Physical Geography

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** /

**Godina proizvodnje/
Year of manufacture:** /

**Cijena/
Price:** /

Usluge/Services: Mjerenje zvuka / Measurement of sound

**Radno vrijeme/
Working hours:** 8 - 14

Kontakt/Contact: Nenad Buzjak
+38514895400
geogpmf@geog.pmf.hr

Naziv/Name:	Hanna ubodni termometar / Hanna sting thermometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally
Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	Mjerenje temperature ubodnim termometrom / Measurement of the temperature by a sting thermometer
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name:	Laboratorijska vaga Axis / Laboratory scale
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally
Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	Mjerenje mase laboratorijskom vagom / Measurement of mass by laboratory scale
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name:	Onset data logger HOBO Fresh Water Level Data Logger
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	Zapisivanje podataka o nivou vode/ Fresh Water Level data logging
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name:	Onset data logger HOBO U23 Pro v2 External T/Relative Humidity
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	Zapisivanje podataka o relativnoj vlazi i temperaturi/ Relative Humidity and temperature data logging
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name:	Onset data logger HOBO U23 Pro v2 Temperature/Relative Humidity
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	Zapisivanje podataka o relativnoj vlazi i temperaturi/ Relative Humidity and temperature data logging
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name: Onset U-DTW-1 HOBO waterproof shuttle with coupler

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geografski odsjek/Department of Geography
Zavod za fizičku geografiju/Division of Physical Geography

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** /

**Godina proizvodnje/
Year of manufacture:** /

**Cijena/
Price:** /

Usluge/Services: waterproof shuttle with coupler

**Radno vrijeme/
Working hours:** 8 - 14

Kontakt/Contact: Nenad Buzjak
+38514895400
geogpmf@geog.pmf.hr

Naziv/Name:	PCE luxmetar
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally
Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	Mjerenje svjetlosti / Measurement of the light
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name:	PCE ubodni termometar
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally
Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	Mjerenje temperature ubodnim termometrom / Measurement of the temperature by a sting thermometer
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name:	Svjetlomjer PCE / Light meter
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally
Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	Mjerenje svjetlosti / Measurement of light
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name:	Waterproof pH-EC-TDS-ORP-T tester Hanna
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	/
Godina proizvodnje/ Year of manufacture:	/
Cijena/ Price:	/
Usluge/Services:	pH tester
Radno vrijeme/ Working hours:	8 - 14
Kontakt/Contact:	Nenad Buzjak +38514895400 geogpmf@geog.pmf.hr

Naziv/Name:	Laserski daljinomjer TruPulse 200/ TruPulse 200 Laser Rangefinder
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Komercijalno/ Commercially



Usluge/Services:	<ul style="list-style-type: none">- Mjeri horizontalnu, nagibnu i vertikalnu udaljenost, te stupanj nagiba (inklinacija)- Mjeri visinu bilo kojeg cilja čak i djelomično pokrivenog- Omogućuje preciznost od +/- 30 cm do visoko kvalitetnih ciljeva +/- 1 m do nisko kvalitetnih ciljeva- Automatski osigurava najbolju moguću preciznost i određivanje udaljenosti- Mjeri udaljenost do 1000 m kod nereflektirajućih ciljeva• Measures Slope Distance (SD) + Inclinatoin (INC) in Degrees or Percent• Calculates Horizontal Distance (HD) + Vertical Distance (VD) + Height (HT) + 2D Missing Line (ML)• Distinguishes desired target from surrounding obstructions with Closest + Farthest + Continuous + Filter modes• Mounts to tripods and has quality optics that enhance your field of view
Tehnicke karakteristike/ Technical characteristics:	Opseg mjerenja: Daljina: 1000m tipično, 2000m max do reflektirajućeg cilja; Inklinacija: +/- 90 stupnjeva Preciznost: Daljina: +/- 30 cm; Inklinacija: +/- 0.25 stupnja
Radno vrijeme/ Working hours:	Pon – Pet: 8-16 sati
Kontakt/Contact:	Doc. dr. sc. Ivan Čanjevac, 01/4895 424; canjevac@geog.pmf.hr

Naziv/Name:	Laserski daljinomjer TruPulse 360°R / TruPulse 360°R Laser Rangefinder
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za fizičku geografiju/Division of Physical Geography
Dostupnost/Availability:	Komercijalno/ Commercially



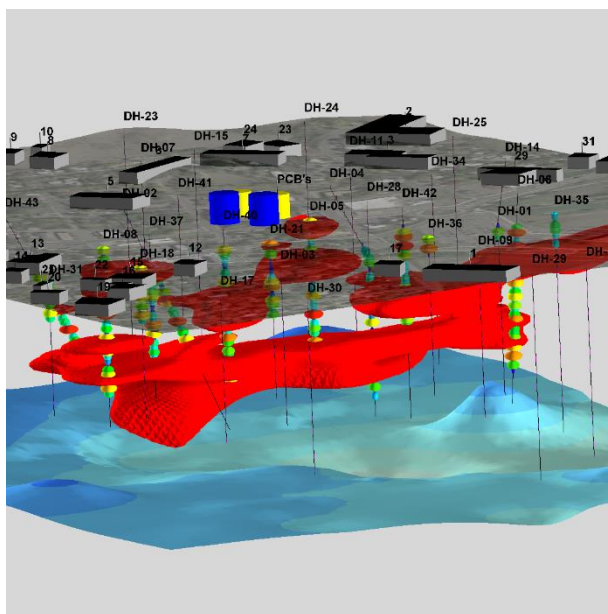
Usluge/Services:	<ul style="list-style-type: none"> - Mjeri udaljenost: od 0 do 1 000 m; tipično, 2 000 m max do reflektirajućeg cilja - Mjeri inklinaciju: +/-90 stupnjeva - Mjeri azimut: 0 do 359.9 stupnjeva - Automatski osigurava najbolju moguću preciznost i određivanje udaljenosti - Omogućuje najbolju moguću preciznost kompasa bez obzira na orijentaciju lasera. <p>Provides full measurement capability with AZ + INC + SD Solves 3D missing line calculations between any two remote points Integrates with GPS for efficient GIS data capture LTI TruVector 360° Compass Technology Withstands harsh conditions with rugged, waterproof housing</p>
Tehnicke karakteristike/ Technical characteristics:	<p>Opseg mjerenja: Daljina: 1000m tipično, 2000m max do reflektirajućeg cilja; Inklinacija: +/- 90 stupnjeva Preciznost: Daljina: +/- 30 cm; Inklinacija: +/- 0.25 stupnja</p>
Radno vrijeme/ Working hours:	Pon – Pet: 8-16 sati
Kontakt/Contact:	Doc. dr. sc. Ivan Čanjevac, 01/4895 424; canjevac@geog.pmf.hr

Naziv/Name: Rockware Rockworks 15

**Tip opreme/
Type of equipment:** Računalni program/Computer software

Lokacija/Location: Geografski odsjek/Department of Geography
Zavod za fizičku geografiju/Division of Physical Geography

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** /

**Godina proizvodnje/
Year of manufacture:** /

**Cijena/
Price:** /

Usluge/Services: Analiza i vizualizacija strukturnih podataka / Analysis and Visualization of Structural Dana, Geological modeling software

**Radno vrijeme/
Working hours:** 8 - 14

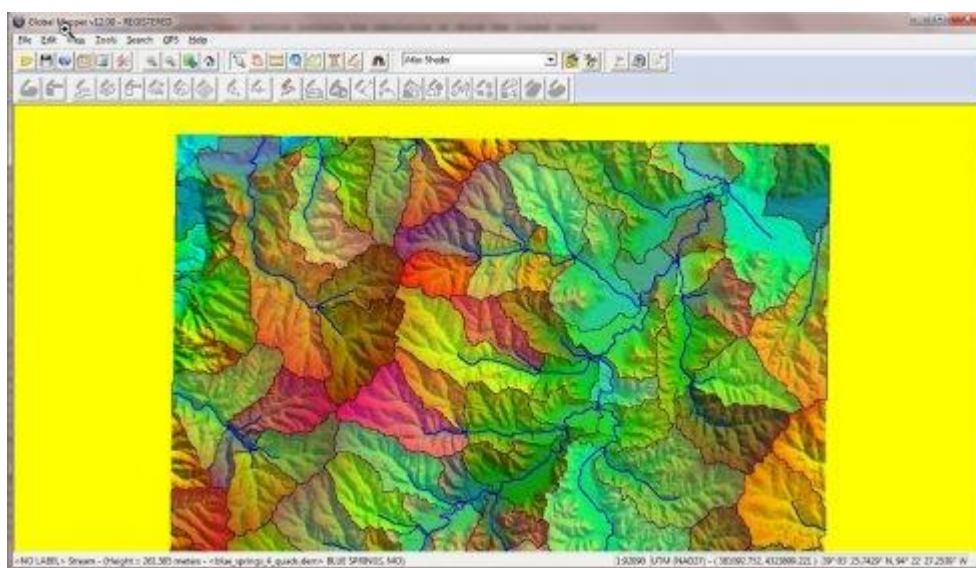
Kontakt/Contact: Nenad Buzjak
+38514895400
geogpmf@geog.pmf.hr

Naziv/Name: Global Mapper 12

**Tip opreme/
Type of equipment:** Računalni program/Computer software

Lokacija/Location: Geografski odsjek/Department of Geography
Zavod za fizičku geografiju/Division of Physical Geography

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** /

**Godina proizvodnje/
Year of manufacture:** /

**Cijena/
Price:** /

Usluge/Services: Obrada kartografskih formata / Processing of cartographic formats

**Radno vrijeme/
Working hours:** 8 - 14

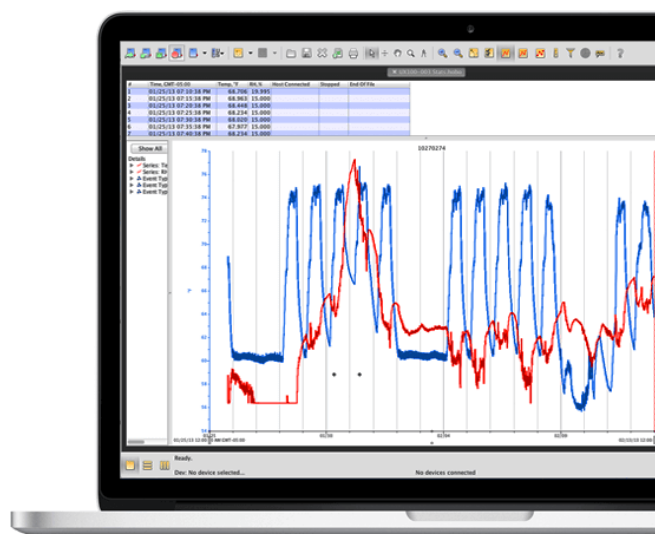
Kontakt/Contact: Nenad Buzjak
+38514895400
geogpmf@geog.pmf.hr

Naziv/Name: HOBOWare Pro software

**Tip opreme/
Type of equipment:** Računalni program/Computer software

Lokacija/Location: Geografski odsjek/Department of Geography
Zavod za fizičku geografiju/Division of Physical Geography

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:** /

**Godina proizvodnje/
Year of manufacture:** /

**Cijena/
Price:** /

Usluge/Services: Preuzimanje i analiza podataka sa logera / Download and analyze log data

**Radno vrijeme/
Working hours:** 8 - 14

Kontakt/Contact: Nenad Buzjak
+38514895400
geogpmf@geog.pmf.hr

Naziv/Name:	Trimble eCognition Developer 9.0
Tip opreme/ Type of equipment:	Računalni program/Computer software
Lokacija/Location:	Geografski odsjek/Department of Geography Zavod za regionalnu geografiju i metodiku/Division of Regional Geography and Teaching Methods
Dostupnost/Availability:	Interno/Internally



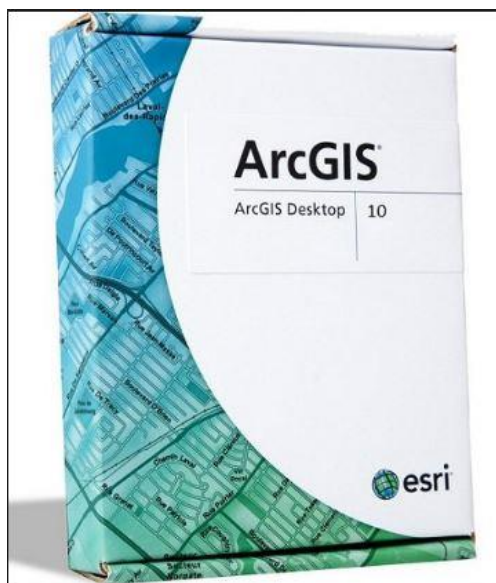
Usluge/Services:	Obrada i analiza prostornih podataka / spatial data processing and analysis Segmentacija digitalnih slikovnih datoteka / digital image segmentation
Tehnicke karakteristike/ Technical characteristics:	5 akademskih licenci / 5 academic licences
Radno vrijeme/ Working hours:	09.00-17.00
Kontakt/Contact:	Luka Valožić lvalozi@geog.pmf.hr +38514895437

Naziv/Name: ESRI ArcInfo 10.0 sp 5

**Tip opreme/
Type of equipment:** Računalni program/Computer software

Lokacija/Location: Geografski odsjek/Department of Geography

Dostupnost/Availability: Interno samo za edukaciju / Internally (education only)



Usluge/Services: Obrada, analiza i vizualizacija prostornih podataka / Processing, analysis and visualization of spatial data

**Tehnicke karakteristike/
Technical characteristics:** 4 akademske licence dostupne u Računalnom kutku za studente / 4 academic licences available in Computer corner for students

**Radno vrijeme/
Working hours:** 08.00-15.00

Kontakt/Contact: Mario Dakić
mdakic@geog.pmf.hr
+38514895450

Geološki odsjek / Department of Geology

Naziv/Name:	AHATNI MLIN FRITSCH PULVERISSETE / MORTAR GRINDER FRITSCH PULVERISSETE
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Ahatni mlin / Agate mortar Veličina ulaznog materijala < 8 mm / Feed material < 8 mm Veličina izlaznog materijala < 10 μ m / Output material < 10 μ m
Godina proizvodnje/ Year of manufacture:	197X.
Cijena/ Price:	-
Usluge/Services:	Usitnjavanje uzorka na veličinu praha / Sample milling
Radno vrijeme/ Working hours:	7.30 – 15.00
Kontakt/Contact:	Dejan Vončina +385 1 4605 999 dvoncina@geol.pmf.hr

Naziv/Name: AHATNI MLIN RETSCH RM 200 / MORTAR GRINDER RETSCH RM 200

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geološki odsjek/Department of Geology
Mineraloško-petrografski zavod/Division of Mineralogy and Petrology

Dostupnost/Availability: Interno/Internally
Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Veličina ulaznog materijala < 8 mm / Feed material <8 mm
Veličina izlaznog materijala < 10 μ m / Output material < 10 μ m

**Godina proizvodnje/
Year of manufacture:** 2014.

**Cijena/
Price:** 40.000 kn

Usluge/Services: Usitnjavanje uzorka na veličinu praha / Sample milling

**Radno vrijeme/
Working hours:** 7.30 – 15.00

Kontakt/Contact: Dejan Vončina
+385 1 4605 999
dvoncina@geol.pmf.hr

Naziv/Name: ANALITIČKA VAGA METTLER TOLEDO AT261 DeltaRange / ANALYTICAL BALANCE METTLER TOLEDO At261 DeltaRange

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geološki odsjek/Department of Geology
Mineraloško-petrografski zavod/Division of Mineralogy and Petrology

Dostupnost/Availability: Interno/Internally
Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Kapacitet vaganja: 62/205g / Weighing capacity 62/205g
Čitljivost 0,01/0,1mg / Readability 0.01/0.1 mg

**Godina proizvodnje/
Year of manufacture:** 1996.

**Cijena/
Price:** 50.000 kn

Usluge/Services: Određivanje mase / Mass determination

**Radno vrijeme/
Working hours:** 8.00 – 16.00

Kontakt/Contact: Štefica Kampić, dipl.inž.
+385 1 4605 974
skampic@geol.pmf.hr

Naziv/Name:	CENTRIFUGA TEHTNICA CENTRIC 322A / CENTRIFUGE TEHTNICA CENTRIC 322A
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	4 pozicije za centrifugiranje / Four sample positions Najveća brzina 4500 okr min ⁻¹ / Max. speed 4500 rev min ⁻¹
Godina proizvodnje/ Year of manufacture:	2001.
Cijena/ Price:	21.000 kn
Usluge/Services:	Centrifugiranje suspendiranih uzoraka / Centrifugation of samples in suspension
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Štefica Kampać, dipl.inž. +385 1 4605 974 skampic@geol.pmf.hr

Naziv/Name: DIJAMANTNA PILA ZA REZANJE STJENOVITIH UZORAKA / DIAMOND BLADE SAW FOR ROCK CUTTING

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geološki odsjek/Department of Geology
Mineraloško-petrografski zavod/Division of Mineralogy and Petrology

Dostupnost/Availability: Interno/Internally
Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Rezanje stjenovitih uzorka do debljine pločice od 4 mm / Rock cutting to the plate width of 4 mm

**Godina proizvodnje/
Year of manufacture:** 197X

**Cijena/
Price:** -

Usluge/Services: Rezanje uzoraka stijena / Rock cutting

**Radno vrijeme/
Working hours:** 7.30 – 15.00

Kontakt/Contact: Dejan Vončina
+385 1 4605 999
dvoncina@geol.pmf.hr

Naziv/Name:	DROBILICA STJENOVITIH UZORAKA RETSCH BB51 / JAW CRUSHER FOR ROCK MATERIALS RETSCH BB51
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Veličina ulaznog materijala < 40 mm / Size of feed material < 40 mm Čeljusti drobilice of Mn-čelika / Mn-steel jaws
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	78.000 kn
Usluge/Services:	Drobljenje stjenovitih uzoraka / Crushing rock samples
Radno vrijeme/ Working hours:	7.30 – 15.00
Kontakt/Contact:	Dejan Vončina +385 1 4605 999 dvoncina@geol.pmf.hr

Naziv/Name: INFRACRVENI SPEKTROMETAR BRUKER TENSOR 27/IR SPECTROMETER
BRUKER TENSOR 27

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geološki odsjek/Department of Geology
Mineraloško-petrografski zavod/Division of Mineralogy and Petrology

Dostupnost/Availability: Interno/Internally
Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Transmisijski način rada (KBr)/Transmission mode (KBr pellets)
Refleksijski način rada/Reflection mode (ATR)
Spektralno područje 370-7500 cm⁻¹/Spectral range 370-7500 cm⁻¹(MIR)
DLaTGS detektor / DLaTGS detector

**Godina proizvodnje/
Year of manufacture:** 2010.

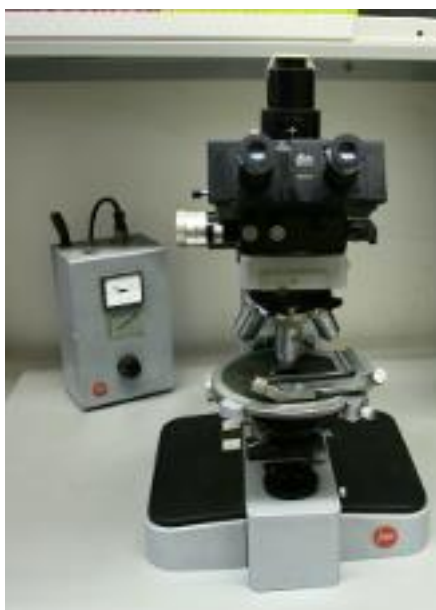
**Cijena/
Price:** 190.000 kn

Usluge/Services: Kvalitativna fazna analiza/Qualitative phase analysis

**Radno vrijeme/
Working hours:** 8.00 – 16.00

Kontakt/Contact: dr.sc. Hana Fajković
+385 1 4605 969
hanaf@geol.pmf.hr

Naziv/Name:	Leitz ortoplan polarizacijski mikroskop/Leitz ortoplan microscope
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	Povećanje do 1000X/Magnification 1000X
Godina proizvodnje/ Year of manufacture:	1970.
Cijena/ Price:	-
Usluge/Services:	Petrografska i mikropaleontološka analiza/Petrographic and micropaleontological analysis
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Borna Lužar-Oberiter +385 1 460 6156 bluzar@geol.pmf.hr

Naziv/Name:	Leitz ortoplan polarizacijski mikroskop/Leitz ortoplan polarizing microscope
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	Povećanje do 2000X/Magnification 2000X
Godina proizvodnje/ Year of manufacture:	197X.
Cijena/ Price:	-
Usluge/Services:	Polarizacijska mikroskopija/Polarizing microscopy
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Tihomir Marjanac +385 1 460 6109 marjanac@geol.pmf.hr

Naziv/Name:	MIKROVALNI DIGESTOR CEM STAR 2 / MICROWAVE DIGESTION SYSTEM CEM STAR 2
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komerrijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Mikrovalna razgradnja uzoraka / Microwave sample digestion Sustav za dodavanje četiri različite kiseline / Four-acid digestion system Mogućnost istovremenog digeriranja dva uzorka / Simultaneous digestion of two samples Staklene ili teflonske kivete za razgradnju / Glass or teflon digestion flasks Otvoreni sustav / Open digestion system
Godina proizvodnje/ Year of manufacture:	1997.
Cijena/ Price:	86.000 kn
Usluge/Services:	Mikrovalno potpomognuta kiselinska razgradnja uzoraka / Microwave-assisted acid digestion of samples
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Štefica Kampić, dipl.inž. +385 1 4605 974 skampic@geol.pmf.hr

Naziv/Name:	NAPARIVAČ BAL-TEC SCD 050/SPUTTER COATER BAL-TEC SCD 050
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komerrijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Naparivanje ugljikom/Carbon coating Naparivanje zlatom/Gold coating Jetkanje/Etching
Godina proizvodnje/ Year of manufacture:	1997.
Cijena/ Price:	110.000 kn
Usluge/Services:	Naparivanje uzoraka za SEM/Sample coating for SEM applications
Radno vrijeme/ Working hours:	7.30 – 16.00
Kontakt/Contact:	Prof.dr.sc. Nenad Tomašić +385 1 4605 968 ntomasic@geol.pmf.hr

Naziv/Name:	Olympus SZX7 stereoskopska lupa/Olympus SZX10 stereo microscope
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	Povećanje do 90X/Magnification 90X
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	
Usluge/Services:	Mikropaleontološke analize u izoliranim prepratima/Micropaleontological analysis in separated preparations
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Vlasta Ćosović +385 1 460 6095 vcosovic@geol.pmf.hr

Naziv/Name:	Olympus SZX10 stereoskopska lupa/Olympus SZX10 stereo microscope
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	Povećanje do 100X/Magnification 100X
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	
Usluge/Services:	Mikropaleontološke analize, mikrofotografija u prolaznom i reflektirajućem svjetlu/Micropaleontological analysis, microphotography
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Jasenska Sremac +385 1 460 6108 jsremac@geol.pmf.hr

Naziv/Name: Opton Axioplan polarizacijski mikroskop/Opton Axioplan microscope

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geološki odsjek/Department of Geology
Geološko-paleontološki zavod/Division of Geology and Paleontology

Dostupnost/Availability: Interno/Internally
Komercijalno/Commercially



**Tehničke karakteristike/
Technical characteristics:** Povećanje do 100X/Magnification 100X

**Godina proizvodnje/
Year of manufacture:** 1985.

**Cijena/
Price:**

Usluge/Services: Mikropaleontološka analiza/Micropaleontological analysis

**Radno vrijeme/
Working hours:** 8.00 – 16.00

Kontakt/Contact: Blanka Cvetko Tešović
+385 1 460 6107
bcvetko@geol.pmf.hr

Naziv/Name:	POLARIZACIJSKA ISTRAŽIVAČKA LUPA ZEISS STEMI 2000C/ POLARIZING SCIENTIFIC BINOCULAR ZEISS STEMI 2000C
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



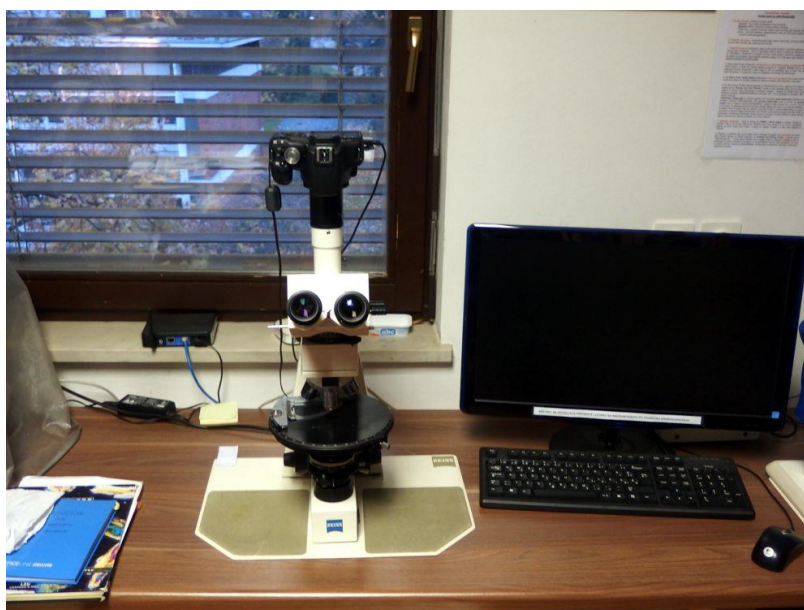
Tehničke karakteristike/ Technical characteristics:	Polarizacijska istraživačka lupa Zeiss / Polarizing scientific binocular Zeiss Digitalno sučelje za snimanje mikrofotografija / Digital image interface
Godina proizvodnje/ Year of manufacture:	1996.
Cijena/ Price:	81.000 kn
Usluge/Services:	Određivanje morfoloških obilježja minerala i stijena / Determination of morphological properties of minerals and rocks
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Dr.sc. Hana Fajković +385 1 4605 969 hanaf@geol.pmf.hr

Naziv/Name:	POLARIZACIJSKI MIKROSKOP S UGRAĐENIM MODULOM ZA ISTRAŽIVANJE FLUIDNIH INKLUZIJA OLYMPUS BX51/ POLARIZING MICROSCOPE WITH HEATING-FREEZING STAGE FOR FLUID INCLUSION INVESTIGATION OLYMPUS BX51
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Polarizacijski mikroskop Olympus... / Polarizing microscope Olympus... Modul za zagrijavanje-hlađenje/ Heating-freezing stage (Linkam)
Godina proizvodnje/ Year of manufacture:	2005.
Cijena/ Price:	210.000 kn
Usluge/Services:	Određivanje fluidnih inkluzija upotrebom mikrotermometrije / Determination of fluid inclusions by microthermometry
Radno vrijeme/ Working hours:	7.30 – 16.00
Kontakt/Contact:	Dr.sc. Andrea Čobić +385 1 4605 971 ancobic@geol.pmf.hr

Naziv/Name:	POLARIZACIJSKI MIKROSKOP ZEISS AXIOLAB / POLARIZING MICROSCOPE ZEISS AXIOLAB
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Polarizacijski mikroskop Zeiss Axiolab / Polarizing microscope Zeiss Axiolab Digitalno sučelje za snimanje mikrofotografija Canon / Digital image interface Canon
Godina proizvodnje/ Year of manufacture:	1996.
Cijena/ Price:	129.000 kn
Usluge/Services:	Određivanje mineraloških i petrografskih obilježja uzoraka u mikroskopskom preparatu / Determination of mineralogical and petrographic properties of samples in thin sections
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Doc.dr.sc. Zorica Petrinc +385 1 4605 969 zorica.petrinc@geol.pmf.hr

Naziv/Name:	RENDGENSKI DIFRAKTOMETAR ZA PRAH Philips X'Pert PRO /X-RAY POWDER DIFFRACTOMETER Philips X'Pert PRO (XRD)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Bakrena rendgenska cijeva / X-ray Cu-tube Sample spinner Rendgensko zrcalo/X-ray mirror Računalno instrumentalno sučelje / Computer instrument interface
Godina proizvodnje/ Year of manufacture:	2002.
Cijena/ Price:	840.000 kn
Usluge/Services:	Kvalitativna fazna analiza/Qualitative phase analysis Semikvantitativna fazna analiza/Semi-quantitative phase analysis Analiza minerala glina/Clay mineral analysis Fazna analiza arheoloških uzoraka/Phase analysis of archaeological samples Size & strain analiza/Size & strain analysis
Radno vrijeme/ Working hours:	7.30 – 16.00
Kontakt/Contact:	Prof.dr.sc. Darko Tibljaš +385 1 4605 970 dtiblj@geol.pmf.hr

Naziv/Name:	Sedigraf „Micrometrics 5100“/Sedigraph „Micrometrics 5100“
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	Napon 85-264WAC, frekvencija 47-63Hz, snaga 450WA/Voltage 85-264WAC, frequency 47-63Hz, power 450WA
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	407.482,62 kn
Usluge/Services:	Granulometrija/Granulometry
Radno vrijeme/ Working hours:	8.00 -16.00
Kontakt/Contact:	Igor Felja +385 1 460 6100 igrofelja@geol.pmf.hr

Naziv/Name: Skenirajući elektronski mikroskop „Tescan VEGA“/Scanning electron microscope „Tescan VEGA“

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geološki odsjek/Department of Geology
Geološko-paleontološki zavod/Division of Geology and Paleontology

Dostupnost/Availability: Interno/Internally
Komercijalno/Commercially



**Tehničke karakteristike/
Technical characteristics:** Povećanje do 1 000 000 X /Magnification till 1 000 000 X
EDS Oxford Inca sustav za kemijsku analizu/EDS Oxford Inca sustav za kemijsku analizu
Mogućnost rada u niskom vakuumu / Low-vacuum applications
SE-BSE detektor / SE-BSE detector

**Godina proizvodnje/
Year of manufacture:** 2003.

**Cijena/
Price:** 1.712.470,59 kn

Usluge/Services: Mikroforfološka i mikrokemijska karakterizacija uzoraka/Micro-morphological and micro-chemical sample characterization

**Radno vrijeme/
Working hours:** 8.00 – 16.00

Kontakt/Contact: Vladimir Bermanec
+385 1 460 6085
vberman@public.carnet.hr

Naziv/Name: STOLIĆ ZA POLIRANJE MONTESUPAL / POLISHING TABLE MONTESUPAL

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geološki odsjek/Department of Geology
Mineraloško-petrografski zavod/Division of Mineralogy and Petrology

Dostupnost/Availability: Interno/Internally
Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Uz korištenje abrazivnih prahova i automatsko doziranje vode / With application of abrasive powders and automatic water admixture

**Godina proizvodnje/
Year of manufacture:** 197X

**Cijena/
Price:** -

Usluge/Services: Brušenje i poliranje mikroskopskih preparata / Sanding and polishing of thin sections

**Radno vrijeme/
Working hours:** 7.30 – 16.00

Kontakt/Contact: Dejan Vončina
+385 1 4605 999
dvoncina@geol.pmf.hr

Naziv/Name:	Stroj za brušenje i poliranje stijenskih preparata „Streuers Planopol-V“/Machine for grinding and polishing rock preparations „Streuers Planopol-V“
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	Brusni disk 0-800 okretaja u minuti/Grinding disk 0-800 turns per minute
Godina proizvodnje/ Year of manufacture:	197X
Cijena/ Price:	-
Usluge/Services:	Brušenje i poliranje stijenskih pločica/Grinding and polishing rock tiles
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Željko Ištuk +385 1 460 6084 zelistuk@gmail.com

Naziv/Name:	Stroj za centrifugiranje „tehnica ŽELEZNIKI“/Centrifugation machine „tehnica ŽELEZNIKI“
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	Centrifuga do 6000 okretaja u minuti/Centrifugation till 6000 turns per minute
Godina proizvodnje/ Year of manufacture:	198X
Cijena/ Price:	-
Usluge/Services:	Centrifugiranje materijala u suspenziji/Centrifugation suspension materials
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Željko Ištuk +385 1 460 6084 zelistik@gmail.com

Naziv/Name:	Automatski stroj za stanjivanje nalijepljenih stijenskih pločica „ALBA“/Automatic machine for thinning of glued rock tiles „ALBA“
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	2 elektromotora, 2 diska/2 electromotors, 2 discs
Godina proizvodnje/ Year of manufacture:	197X.
Cijena/ Price:	-
Usluge/Services:	Stanjivanje nalijepljenih stijenskih preparata/Thinning of glued rock tiles
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Željko Ištuk +385 1 460 6084 zelistik@gmail.com

Naziv/Name:	Stroj za piljenje „Streuers DISKOTONTZ“/Machine for cutting rock samples „Streuers DISKOTONTZ“
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	4.5kW, 3000 okretaja/min, dijamantna rezna pila/4.5kW,3000 turns/min, diamond saw
Godina proizvodnje/ Year of manufacture:	198X
Cijena/ Price:	-
Usluge/Services:	Piljenje stijenskih uzoraka/Cutting of rock samples
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Željko Ištuk +385 1 460 6084 zelistik@gmail.com

Naziv/Name: SUŠIONIK INKO / SAMPLE AIR DRIER INKO

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Geološki odsjek/Department of Geology
Mineraloško-petrografski zavod/Division of Mineralogy and Petrology

Dostupnost/Availability: Interno/Internally
Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Temperaturni raspon 25 - 200°C / Temperature range 25 - 200°C
Digitalno kontrolirana Pt temperaturna sonda / Digitally controlled Pt temperature sensor

**Godina proizvodnje/
Year of manufacture:** 2004.

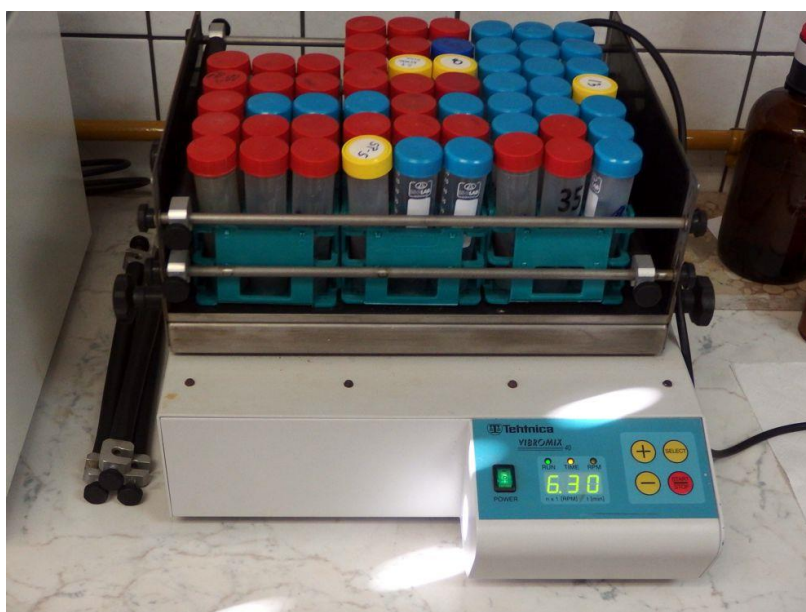
**Cijena/
Price:** 9.000 kn

Usluge/Services: Sušenje uzoraka / Sample drying

**Radno vrijeme/
Working hours:** 7.30 – 16.00

Kontakt/Contact: Štefica Kampać, dipl.inž.
+385 1 4605 974
skampic@geol.pmf.hr

Naziv/Name:	TRESILICA UZORAKA TEHTNICA VIBROMIX 40 / SAMPLE SHAKER TEHTNICA VIBROMIX 40
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Prilagodljive pozicije uzoraka / Adjustable sample positions Digitalna kontrola / Digitally controlled
Godina proizvodnje/ Year of manufacture:	2010.
Cijena/ Price:	14.000 kn
Usluge/Services:	Miješanje tekućih uzoraka trešnjom / Agitating samples by shaking
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Štefica Kampać, dipl.inž. +385 1 4605 974 skampic@geol.pmf.hr

Naziv/Name:	UV-VIS SPEKTROMETAR HACH DR/4000 U/ UV-VIS SPECTROMETER HACH DR/4000 U
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Analiza tekućih uzoraka uz UV-VIS području / Analysis of liquid samples in UV-VIS range (200-800 nm)
Godina proizvodnje/ Year of manufacture:	1996.
Cijena/ Price:	35.000 kn
Usluge/Services:	Analiza tekućih uzoraka uz UV-VIS području / Analysis of liquid samples in UV-VIS (200-800 nm) / UV-VIS range (200-800 nm)
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Štefica Kampać, dipl.inž. +385 1 4605 974 skampic@geol.pmf.hr

Naziv/Name:	VISOKOTEMPERATURNA PEĆ INKO / MUFFLE FURNACE INKO
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Mineraloško-petrografski zavod/Division of Mineralogy and Petrology
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Temperaturnii raspon 25 - 1100°C / Temperature range 25 - 1100°C Digitalno kontrolirana Pt temperaturna sonda / Digitally controlled Pt temperature sensor
Godina proizvodnje/ Year of manufacture:	2005.
Cijena/ Price:	22.000 kn
Usluge/Services:	Sušenje uzoraka / Sample drying
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Štefica Kampać, dipl.inž. +385 1 4605 974 skampic@geol.pmf.hr

Naziv/Name:	Zetopan Reichert svjetlosni mikroskop/Zetopan Reichert light microscope
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Geološki odsjek/Department of Geology Geološko-paleontološki zavod/Division of Geology and Paleontology
Dostupnost/Availability:	Interno/Internally Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	Povećanje do 1600X/Magnification 1600X
Godina proizvodnje/ Year of manufacture:	1970.
Cijena/ Price:	-
Usluge/Services:	Analize vapnenačkog nanoplanktona/Calcareous nannofossils analysis
Radno vrijeme/ Working hours:	8.00 – 16.00
Kontakt/Contact:	Šimun Aščić +385 1 460 6115 simeascic@geol.pmf.hr

Kemijski odsjek / Department of Chemistry

Naziv/Name:	Akustični spektrometar Dispersion technology DT1200 / Acoustic spectrometer Dispersion technology DT1200
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of physical chemistry
Dostupnost/Availability:	Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Mjerenje veličine i zeta potencijala čestica/Particle size and zeta potential measurements
Godina proizvodnje/ Year of manufacture:	2008.
Cijena/ Price:	346 877,72 kn
Usluge/Services:	Određivanje elektrokinetičkog potencijala čestica u gustim suspenzijama/ Determinantion of particle electrokinetic potential in dense suspensions Mjerenje veličine čestica u gustim suspenzijama/Particle size measurement in dense suspensions
Radno vrijeme/ Working hours:	10–16 h
Kontakt/Contact:	Tajana Preočanin +38514606154 tajana@chem.pmf.hr

Naziv/Name: Analitička vaga Mettler Toledo XS205 dual range/ Mettler Toledo XS205 dual range analytical balance

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za analitičku kemiju/Division of Analytical Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Maksimalni kapacitet 220g (81 g) / maximum capacity 200g (81 g)
- Očitavanje 0,1 mg (0,01 mg) / readability 0,1 mg (0,01 mg)
- Ponovljivost 0,01 mg/ repeatability 0,01 mg

**Godina proizvodnje/
Year of manufacture:** 2009.

**Cijena/
Price:** -

Usluge/Services:

- Nastavne svrhe / educational purposes
- Znanstveno-istraživačka djelatnost / scientific research

**Radno vrijeme/
Working hours:** 9:00 – 17:00 h

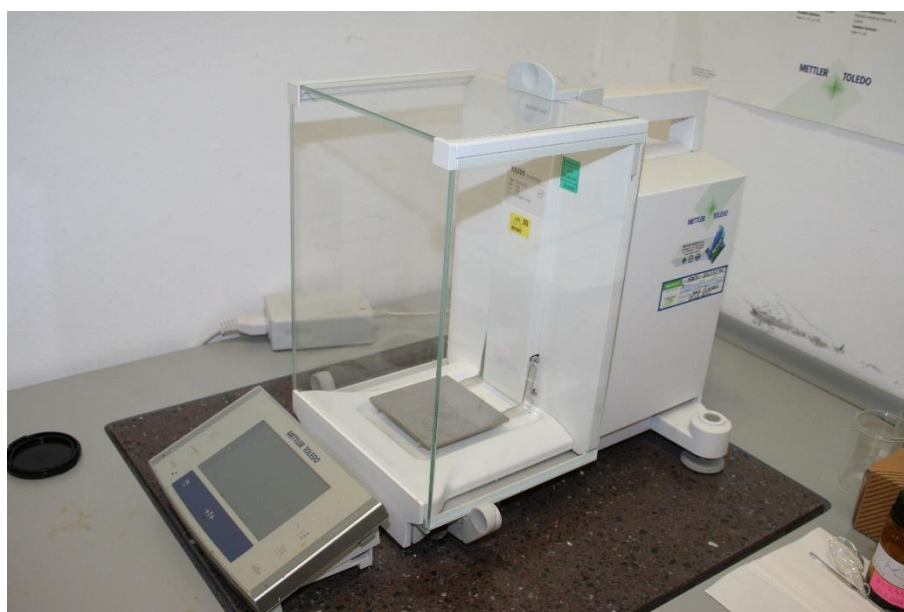
Kontakt/Contact: Dijana Maljevac
+385 1 460 6196
dijana.maljevac@chem.pmf.hr

Naziv/Name: Analitička vaga Mettler Toledo XS205/ Precision balance Mettler Toledo XS205

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za fizikalnu kemiju/Division of physical chemistry

Dostupnost/Availability: Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Digitalno mjerenje mase uzorka do razlučivosti od 0,01 mg/Digital weighing of sample mass with the resolution of 0,01 g

**Godina proizvodnje/
Year of manufacture:** 2007.

**Cijena/
Price:** 38 667 kn

Usluge/Services: Digitalno mjerenje mase uzorka do razlučivosti od 0,01 mg/Digital weighing of sample mass with the resolution of 0,01 g

**Radno vrijeme/
Working hours:** 10–16 h

Kontakt/Contact: Mirjana Murat
+38514606137
mirjana.murat@chem.pmf.hr

Naziv/Name:	Atomski emisijski spektrometar uz induktivno spregnutu plazmu/Inductively coupled plasma atomic emission spectrometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za analitičku kemiju/Division of Analytical Chemistry
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



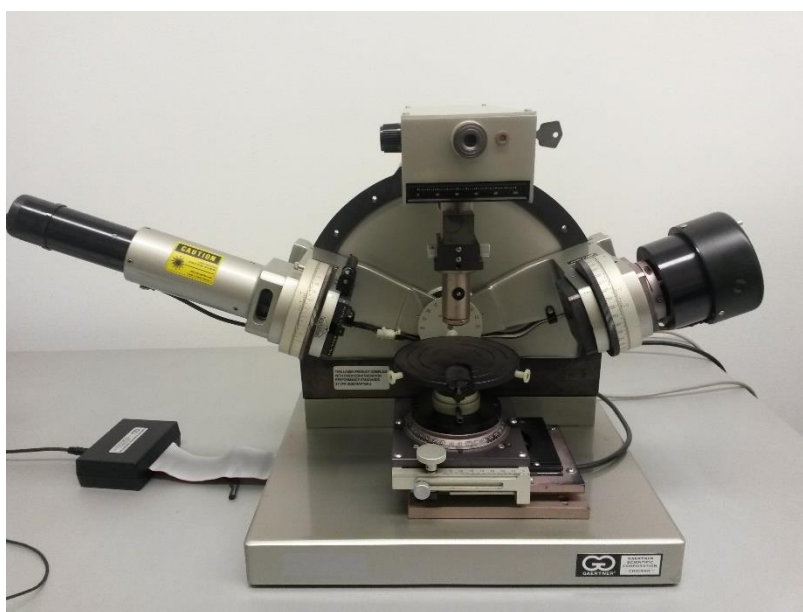
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Radiofrekvencijski generator na 40 MHz / 40 mHz "free running" radiofrequency generator - Ešeletni polikromator visoke rezolucije / echelle grating spectrometer - L-PAD detektor / large-format programmable array detector (L-PAD)
Godina proizvodnje/ Year of manufacture:	2006.
Cijena/ Price:	740,000.00 kuna
Usluge/Services:	<ul style="list-style-type: none"> - Izrade analitičkih ekspertiza za potrebe vanjskih suradnika iz farmaceutske industrije, prerađivačkih industrija, metalurgije, geoloških i primijenjenih istraživanja / analytical expertise for external associates from pharmaceutical industry, manufacturing industries, metallurgy, geological and applied research
Radno vrijeme/ Working hours:	8:00 – 16:00
Kontakt/Contact:	Izv.prof. dr. sc. Sanda Rončević +385 1 460 6182 roncevic@chem.pmf.hr

Naziv/Name: Automatski rotirajući elipsometar/Automatic rotating ellipsometer

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za organsku kemiju/Division of Organic Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Izvor zračenja / Laser light source: 632.8 nm He-Ne laser
- Promjer laserske zrake / Beam Diameter: 1.0 x 1.6 mm (50°), 1.0 x 3.0 mm (70°)
- Veličina uzorka: do 150 nm širine i visine 10 mm / Sample size: Up to 150 mm diameter to 10 mm max thickness
- Raspon mjerenih debljina / Film thickness range: 0-6000 nm
- Preciznost / Accuracy: ± 0.3 nm

**Godina proizvodnje/
Year of manufacture:** Nadogradnja 2017./Upgraded 2017

**Cijena/
Price:** 139.800,00 HRK

Usluge/Services:

- Mjerenje debljine filmova i monoslojeva na različitim nosačima / Film thickness measurements of single layer films on different substrates
- Mjerenje debljine filmova za dva, tri i četiri sloja uz već unaprijed poznate vrijednosti nižih slojeva, kao i mjerenje refrakcijskog indeksa gornjeg sloja / Two, three and four layer films, with known bottom layers can be measured for the thickness and refractive index of the top layer or for both thicknesses

**Radno vrijeme/
Working hours:** Od 8 do 16 sati/From 8 a.m. to 16 p.m.

Kontakt/Contact:

dr. sc. Katarina Varga

+385 1 4606 416

kvarga@chem.pmf.hr

Naziv/Name: FT-IR/FT-RAMAN SPEKTROMETAR BRUKER EQUINOX 55 / BRUKER EQUINOX 55 FT-IR/FT-RAMAN SPECTROMETER

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za analitičku kemiju/Division of Analytical Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Interferometar opremljen Ramanovim modulom FRA 106/S i Nd:YAG laserom (1064 nm) / interferometer equipped with Raman module FRA 106/S and Nd:YAG laser (1064 nm)
- Spektralni raspon za IR (NIR: 15000–4000 cm^{-1} ; MIR: 4000–400 cm^{-1}) i za Raman (3500–400 cm^{-1}) / spectral range for IR (NIR: 15000–4000 cm^{-1} ; MIR: 4000–400 cm^{-1}) and for Raman (3500–400 cm^{-1})
- Spektralno razlučivanje 1 cm^{-1} / spectral resolution 1 cm^{-1}
- Dodatni pribor: nosači i kivete za mjerenje čvrstih, tekućih i plinovitih uzoraka, grijač i ćelije za mjerenje temperaturno ovisnih spektara, pribor za mjerenje tehnikama totalne i difuzne refleksije, optička vlakna sa sondom za mjerenje na daljinu / additional equipment: sample holders and cells for solid, liquid and gas samples, heater and cells for measurement of temperature dependent spectra, equipment for measurements with attenuated total reflectance (ATR) and diffuse reflectance (DRIFT) techniques, fiber optic probe for *in situ* measurements

**Godina proizvodnje/
Year of manufacture:** 2002.

**Cijena/
Price:** 1.283.399,14 kuna

Usluge/Services:

- Snimanje FT-IR spektara u bliskom i srednjem IR području / FT-IR spectra measurements in near and mid IR region
- Snimanje FT-Ramanovih spektara (pobuda 1064 nm) / FT-Raman spectra measurements
- Analiza i interpretacija vibracijskih spektara / analysis and interpretation of vibrational spectra

**Radno vrijeme/
Working hours:**

8:00-16:00

Kontakt/Contact:

Izv. prof. dr. sc. Snežana Miljanić
+385 1 460 6202
miljanic@chem.pmf.hr

Naziv/Name:	FT-IR Spektrometar Bruker Vector 22/ Bruker Vector 22 FT-IR spectrometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za Analitičku kemiju/Division of Analytical Chemistry
Dostupnost/Availability:	Komercijalno/Commercially



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- spektralnom raspon 4000-400 cm^{-1} (MIR) / spectral range 4000-400 cm^{-1} (MIR)- spektralno razlučivanje 1 cm^{-1} / spectral resolution 1 cm^{-1}- dodatan pribor: nosači i kivete za mjerenje čvrstih, tekućih i plinovitih uzoraka, grijač i ćelije za mjerenje temperaturno ovisnih transmisijskih spektara, pribor za mjerenje čvrstih i tekućih uzoraka tehnikama prigušene totalne refleksije i difuzne refleksije/ additional equipment: sample holders and cells for solid, liquid and gas samples, heater and cells for measurement of temperature dependent transmission spectra, equipment for measurements with attenuated total reflectance (ATR) and diffuse reflectance (DRIFT) techniques
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	200,000.00 kuna
Usluge/Services:	<ul style="list-style-type: none">- snimanje FT-IR spektara u srednjem IR području / FT-IR spectra measurements in mid IR range- analiza i interpretacija IR spektara / analysis and interpretation of IR spectra

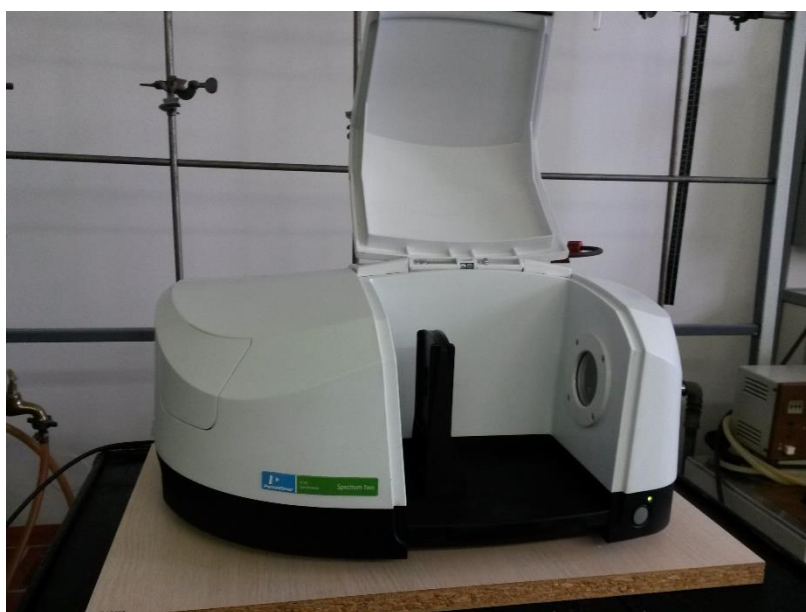
Radno vrijeme/ Working hours:	08:00 – 16:00
Kontakt/Contact:	Izv. prof. dr. sc. Snežana Miljanić +385 1 460 6202 miljanic@chem.pmf.hr

Naziv/Name:	FT-IR Spektrometar Perkin Elmer Spectrum Two s univerzalnim dijamantnim refleksijskim dodatkom (UATR) / PerkinElmer Spectrum Two FT-IR spectrometer equipped with diamond UATR accessory
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za opću i anorgansku kemiju /Division of General and Inorganic Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Područje rada 8300-350 cm^{-1} s KBr razdjelnikom zrake, rezolucija 0,5 cm^{-1} , visoko osjetljivi linearni detektor, preša za optimizaciju kvalitetnog pritiska uzorka na dijamantni kristal uz regulaciju pritiska, <i>PerkinElmer Spectrum 10.4.2</i> programski paket / Wavelength range 8,300 – 350 cm^{-1} optimized, proprietary KBr beamsplitter, spectral resolution 0.5 cm^{-1} , high linearity room temperature detector, pressure arm with a force indicator to ensure first-class sample-to-sample and operator-to-operator reproducibility of measurements, <i>PerkinElmer Spectrum 10.4.2</i> software package
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	87.480,00
Usluge/Services:	Namjena: kvalitativna i strukturna analiza / qualitative and structural analysis
Radno vrijeme/ Working hours:	08:00 – 16:00 / 08:00 a.m. – 04:00 p. m.
Kontakt/Contact:	Izv. prof. dr. sc. Željka Soldin +381 1 460 6348 zeljka@chem.pmf.hr

Naziv/Name:	FT–IR Spektrometar Perkin Elmer Spectrum Two / Spectrometer Perkin Elmer Spectrum Two FT–IR
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za organsku kemiju/Division of Organic Chemistry
Dostupnost/Availability:	Interno/Internally



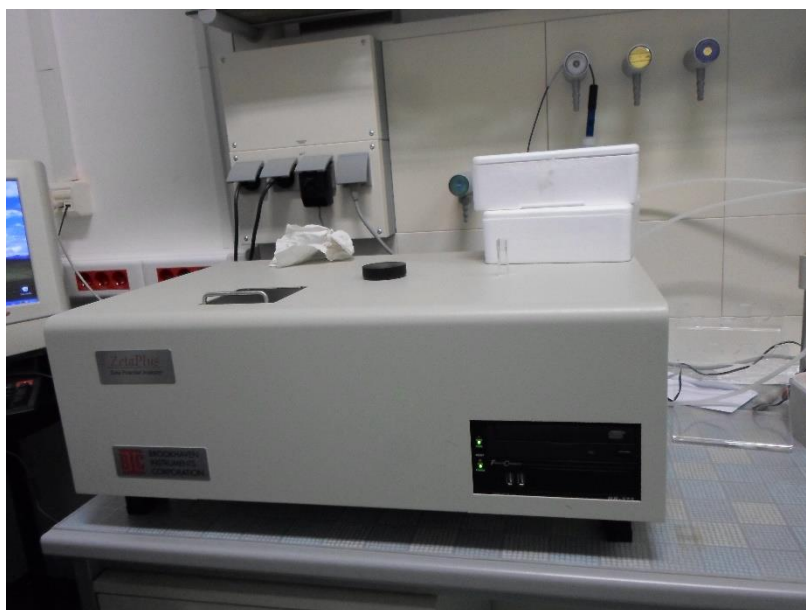
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - Snimanje FT–IR spektara/FT–IR spectra recording - Izvor zračenja / Source: MIR 8000 \approx 30 cm^{-1} - Standardni optički sustav s KBr prozorima za skupljanje podataka u području od 7800 – 400 cm^{-1} uz rezoluciju od 4 \approx 0,5 cm^{-1} / Standard optical system with KBr windows for data collection over a spectral range of 7800 – 400 cm^{-1} with the resolution range of 4 \approx 0.5 cm^{-1} - TGS (triglycine sulfat) MIR detektor/ TGS (triglycine sulfat) MIR detektor - Temperaturni raspon / Temperature range: 5 \approx 45 $^{\circ}\text{C}$ - Standardna AVC konfiguracija / Standard AVC (Atmospheric Vapor Compensation) configuration
Godina proizvodnje/ Year of manufacture:	2011
Cijena/ Price:	-
Usluge/Services:	<ul style="list-style-type: none"> - Prikupljanje IR spektara uzoraka i validacija prema referentnim spektrima / Generation of infrared spectra from a sample and validate them against reference spectra - Identifikacija uzoraka i nečistoća / Material and contaminant identification

- Kvantitativna i kvalitativna analiza / Quantitative and qualitative analysis

**Radno vrijeme/
Working hours:** Od 8 do 16 sati/From 8 a.m. to 16 p.m.

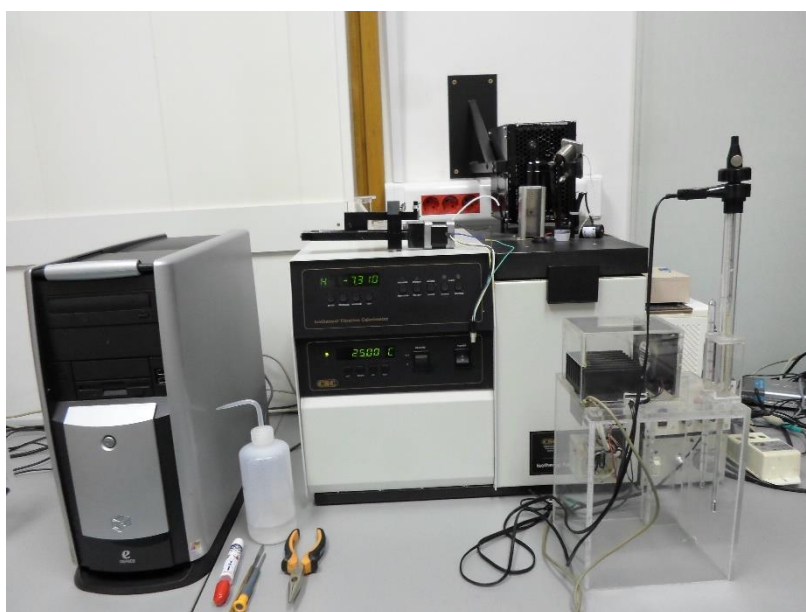
Kontakt/Contact: prof. dr. sc. Hrvoj Vančik
+385 1 4606 412
vancik@chem.pmf.hr

Naziv/Name:	Instrument za mjerenje elektrokinetičkog potencijala i dinamičkog raspršenja svjetlosti Brookhaven ZetaPlus / Instrument for electrokinetic potential and dynamic light scattering measurements Brookhaven ZetaPlus
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of physical chemistry
Dostupnost/Availability:	Komercijalno/ Commercially



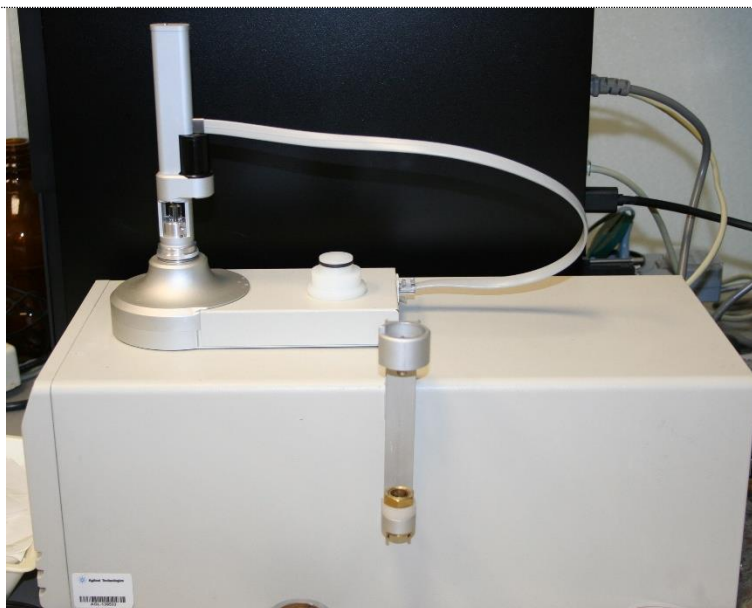
Tehničke karakteristike/ Technical characteristics:	Mjerenje hidrodinamičkog radijusa i zeta potencijala čestica/Particle hydrodynamic radius and zeta potential measurements
Godina proizvodnje/ Year of manufacture:	2008.
Cijena/ Price:	278 432,70 kn
Usluge/Services:	Određivanje elektrokinetičkog potencijala čestica u razrijeđenim otopinama/Determination of particle electrokinetic potential in diluted solutions Mjerenje veličine čestica pomoću dinamičkog raspršenja svjetlosti u razrijeđenim otopinama/Particle size measurement with dynamic light scattering in diluted solutions
Radno vrijeme/ Working hours:	10–16 h
Kontakt/Contact:	Jasmina Salopek +38514606149 jsalopek@chem.pmf.hr

Naziv/Name:	Izotermni titracijski kalorimetar CSC 4200 / Isothermal titration calorimeter CSC 4200
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of physical chemistry
Dostupnost/Availability:	Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Diferencijalni isoperibolni titracijski kalorimetar/Differential isoperibol titration calorimeter Kondukcijski način mjerenja topline/Conduction heat measurement Termoelektrički senzor topline/Thermoelectric heat sensor Volumen ćelije od 2 mL/ Sample cell volume of 2 mL
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	674 216,89 kn
Usluge/Services:	Mjerenje toplinskih efekata fizikalnih i kemijskih procesa/Measurement of heat effects of physical and chemical processes Određivanje ravnotežnih termodinamičkih reakcijskih veličina fizikalnih i kemijskih procesa u otopini/Determination of equilibrium thermodynamic reaction quantities of physical and chemical processes in solution
Radno vrijeme/ Working hours:	10–16 h
Kontakt/Contact:	Josip Požar +38514606138 pozar@chem.pmf.hr

Naziv/Name:	Izotermni titracijski kalorimetar VP-ITC / Isothermal titration calorimeter VP-ITC
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of physical chemistry
Dostupnost/Availability:	Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Diferencijalni izotermni titracijski kalorimetar/Differential isothermal titration calorimeter Kompenzacijski način mjerenja topline/Compensation heat measurement Volumen ćelije od 1.4 mL/ Sample cell volume of 1.4 mL Raspon radne temperature od 2 °C do 80 °C/Working temperature range from 2 °C to 80 °C
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	
Usluge/Services:	Mjerenje toplinskih efekata fizikalnih i kemijskih procesa/Measurement of heat effects of physical and chemical processes Određivanje ravnotežnih termodinamičkih reakcijskih veličina fizikalnih i kemijskih procesa u otopini/Determination of equilibrium thermodynamic reaction quantities of physical and chemical processes in solution
Radno vrijeme/ Working hours:	10–16 h
Kontakt/Contact:	Gordan Horvat +38514606157 ghorvat@chem.pmf.hr

Naziv/Name: Izotermni titracijski kalorimetar VP-ITC / Isothermal titration calorimeter VP-ITC

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za fizikalnu kemiju/Division of physical chemistry

Dostupnost/Availability: Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Diferencijalni izotermni titracijski kalorimetar/Differential isothermal titration calorimeter
Kompenzacijski način mjerenja topline/Compensation heat measurement
Volumen ćelije od 1.4 mL/ Sample cell volume of 1.4 mL
Raspon radne temperature od 2 °C do 80 °C/Working temperature range from 2 °C to 80 °C

**Godina proizvodnje/
Year of manufacture:** 2003.

**Cijena/
Price:**

Usluge/Services: Mjerenje toplinskih efekata fizikalnih i kemijskih procesa/Measurement of heat effects of physical and chemical processes
Određivanje ravnotežnih termodinamičkih reakcijskih veličina fizikalnih i kemijskih procesa u otopini/Determination of equilibrium thermodynamic reaction quantities of physical and chemical processes in solution

**Radno vrijeme/
Working hours:** 10–16 h

Kontakt/Contact: Josip Požar
+38514606138
pozar@chem.pmf.hr

Naziv/Name: Izotermni titracijski kalorimetar VP-ITC / Isothermal titration calorimeter VP-ITC

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za fizikalnu kemiju/Division of physical chemistry

Dostupnost/Availability: Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Diferencijalni izotermni titracijski kalorimetar/Differential isothermal titration calorimeter
Kompenzacijski način mjerenja topline/Compensation heat measurement
Volumen ćelije od 1.4 mL/ Sample cell volume of 1.4 mL
Raspon radne temperature od 2 °C do 80 °C/Working temperature range from 2 °C to 80 °C

**Godina proizvodnje/
Year of manufacture:** 2003.

**Cijena/
Price:**

Usluge/Services: Mjerenje toplinskih efekata fizikalnih i kemijskih procesa/Measurement of heat effects of physical and chemical processes
Određivanje ravnotežnih termodinamičkih reakcijskih veličina fizikalnih i kemijskih procesa u otopini/Determination of equilibrium thermodynamic reaction quantities of physical and chemical processes in solution

**Radno vrijeme/
Working hours:** 10–16 h

Kontakt/Contact: Gordan Horvat
+38514606157
ghorvat@chem.pmf.hr

Naziv/Name: Kriostat/Cryostat

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za organsku kemiju/Division of Organic Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Tip uređaja: kontinuirano protočni helijev kriostat / Instrument type: continuous flow helium bath cryostat
- Temperaturni raspon / Temperature range: 10 K - 300K
- Raspon tlaka / Pressure range: 10^5 Pa - 10^{-10} Pa
- Jednostavan pristup mjerenjima koja uključuju zračenje uzoraka kroz 4 prozora / Simple optical access from 4 windows for measurements requiring light collection
- Prihvatljiva veličina uređaja za jednostavnu ugradnju u komercijalne spektrometre / Compact size allowing easy integration into commercial spectrometers

**Godina proizvodnje/
Year of manufacture:** Nadogradnja 2016. / Upgraded 2016.

**Cijena/
Price:** 228.998,68 HRK

Usluge/Services:

- Temperaturno kontrolirana mjerenja povezana s krio pumpama i drugom kriogenom opremom / Temperature controlled measurements in conjunction with cryopumps and other cryogenic equipment
- **Primjena u UV/Vis spektroskopiji (interakcija energijskih nova i vibracijskih modova u krutinama) / Application in UV/Vis spectroscopy**

(interaction between the electronic energy levels and vibrational modes in solids).

- **Primjena u IR spektroskopiji (mjerjenje promjena kod načina vibracija) / Application in IR spectroscopy** (measuring of changes in interatomic vibrational modes)
- **Primjena u Ramanovoj spektroskopiji** (uske vrpce povezane s pobuđivanjem u Ramanovom dijelu) / **Application in Raman spectroscopy** (narrower lines associated with the observed Raman excitations)

**Radno vrijeme/
Working hours:**

Od 8 do 16 sati/From 8 a.m. to 16 p.m.

Kontakt/Contact:

prof. dr. sc. Hrvoj Vančik
+385 1 4606 412
vancik@chem.pmf.hr

Naziv/Name: Kuglični mlin IST500/Ball mixer mill IST500

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za organsku kemiju/Division of Organic Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Široka primjena za efikasno usitnjavanje i homogenizaciju tvrdih, lomljivih, vlaknastih i mekih uzoraka u suhom, vlažnom i mokrom stanju / Ball mill for grinding dry, wet, hard, soft and soaked samples or materials
- Podesiva frekvencija 3-30 Hz i vrijeme mješanja 30 s – 90 min / Adjustable vibration frequency 3 to 30 Hz and grinding times 30 s to 99 min
- Mogućnost istovremenog miješanja dva uzorka / Number of grinding stations – 2
- Pogodno za posudice od nehrđajućeg čelika te drugih vrsta metala i legura, posude od cirkonijeva oksida i volfram karbida, i sve vrste plastičnih posuda / Suitable for grinding jars and balls materials – stainless steel, tungsten carbide, zirconium oxide, aluminum, brass, PMMA, PTFE, polyamide

**Godina proizvodnje/
Year of manufacture:** 2016.

**Cijena/
Price:** -

Usluge/Services:	- Provođenje mehanokemijskih reakcija bez i u prisustvu otapala / Mechanochemical 'solvent-free' reactions and liquid assisted grinding (LAG)
Radno vrijeme/ Working hours:	Od 8 do 16 sati/From 8 a.m. to 16 p.m.
Kontakt/Contact:	izv. prof. dr. sc. Ines Primožič +385 1 4606 408 ines@chem.pmf.hr

Naziv/Name: Mikrovalna pećnica Berghof MWS-2/ Nicrowave oven Berghof MWS-2

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za analitičku kemiju/Division of Analytical Chemistry

Dostupnost/Availability: Interno/Internally
Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** - maksimalan tlak 40 bar, maksimalna temperatura 230°C /
maximum pressure 40 bar, maximum temperature 230°C

**Godina proizvodnje/
Year of manufacture:** 2009.

**Cijena/
Price:** 90.000,00 HRK

Usluge/Services: - izrade analitičkih ekspertiza za potrebe vanjskih korisnika iz
farmaceutске industrije, prerađivačkih industrija, metalurgije,
geoloških i primjenjenih istraživanja / analytical expertise for
external associates from pharmaceutical industry, manufacturing
industries, metallurgy, geological and applied research

**Radno vrijeme/
Working hours:** 8:00 – 16:00 h

Kontakt/Contact: Izv.prof. dr. sc. Sanda Rončević
+385 1 460 6182
roncevic@chem.pmf.hr

Naziv/Name:	NMR Spektrometar Bruker Avance III HD 400 MHz/54 mm Ascend / Bruker Avance III HD 400 mhz/54 mm Ascend NMR spectrometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek, Zavod za analitičku kemiju/ Department of Chemistry, Laboratory of Analytical Chemistry
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - magnet Ascend™ 9,4 T / Ascend™ 9,4 T magnet - 5 mm inverzna proba BBI sa Z-gradijentnom zavojnicom i ATM dodatkom (model PA BBI 1H/D-BB Z) / 5 mm inverse BBI probe with a Z-gradient and ATM unit (model PA BBI 1H/D-BB Z) - 5 mm direktna BBO krio-proba Prodigy (model CPP BBO 400S1 BB-H&F-D-O5 Z) sa Z-gradijentnom zavojnicom, ATM dodatkom te pripadajućom opremom potrebnom za hlađenje elektronike probe tekućim dušikom / 5 mm direct BBO CryoProbe Prodigy (model CPP BBO 400S1 BB-H&F-D-O5 Z) with a Z-gradient, ATM unit and the associated equipment required for cooling the probe electronics with the liquid nitrogen - sustav za kontrolu temperature (VTU), jedinica za hlađenje BCU-I, oprema za niskotemperaturna mjerenja / temperature control system (VTU) , BCU-I cooling unit, low temperature measurements equipment - jedinica za automatsko snimanje uzoraka SampleCase / SampleCase automation system
Godina proizvodnje/ Year of manufacture:	2015.

**Cijena/
Price:**

2 743 750,00 kn

Usluge/Services:

- strukturna analiza malih i srednje velikih organskih molekula te manjih polipeptida molarne mase do 3–4 kDa u otopini / structure analysis of small and medium organic molecules and smaller polypeptides (3–4 kDa) in solution
- snimanje jedno- i dvodimenzijskih homo- i heteronuklearnih NMR spektara u otopini, u širokom temperaturnom rasponu / measurements of one and two dimensional homonuclear and heteronuclear NMR spectra in solutions, in broad temperature range
- konformacijska analiza / conformational analysis
- istraživanje interakcija molekula / study of molecule interactions
- analiza smjese spojeva spregnutim sustavom LC-SPE-NMR s krioprobom / analysis of compound mixtures by LC-SPE_NMR with cryo-probe

**Radno vrijeme/
Working hours:**

8 – 16 h

Kontakt/Contact:

Laboratorij za spektroskopiju NMR

+385 460 6187

nmr@chem.pmf.hr

dr. sc. Katarina Pičuljan

+385 460 6187

kpiculjan@chem.pmf.hr

nmr@chem.pmf.hr

Nikola Cindro, mag. chem.

+385 460 6141

ncindro@chem.pmf.hr

prof. dr. sc. Predrag Novak

+385 460 6187

pnovak@chem.pmf.hr

Naziv/Name: Plameni fotometar PFP -7/Flame photometer PFP-7

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za analitičku kemiju/Division of Analytical Chemistry

Dostupnost/Availability: Interno/Internally
Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:**

- reproducibilnost: <1% za 20 određivanja uz standard natrija ugođen na 50.0 / reproducibility: <1% coefficient of variation for 20 consecutive samples using 10 ppm Na set to read 50.0
- detekcijska granica: Na 0,2 ppm, K 0,2 ppm, Li 0,25 ppm, Ca 15 ppm, Ba 30 ppm / limits of detection: Na 0.2 ppm, K 0.2 ppm, Li 0.25 ppm, Ca 15 ppm, Ba 30 ppm

**Godina proizvodnje/
Year of manufacture:** -

**Cijena/
Price:** 70.000,00 HRK

Usluge/Services:

- izrade analitičkih ekspertiza za potrebe vanjskih korisnika iz farmaceutske industrije, prerađivačkih industrija, metalurgije, geoloških i primjenjenih istraživanja / analytical expertise for external associates from pharmaceutical industry, manufacturing industries, metallurgy, geological and applied research

**Radno vrijeme/
Working hours:** 8:00 – 16:00 h

Kontakt/Contact: Izv.prof. dr. sc. Sanda Rončević
+385 1 460 6182
roncevic@chem.pmf.hr

Naziv/Name:	Plinski kromatograf sa spektrometrom masa / GC MS instrument
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za organsku kemiju/Division of Organic Chemistry
Dostupnost/Availability:	Interno/Internally



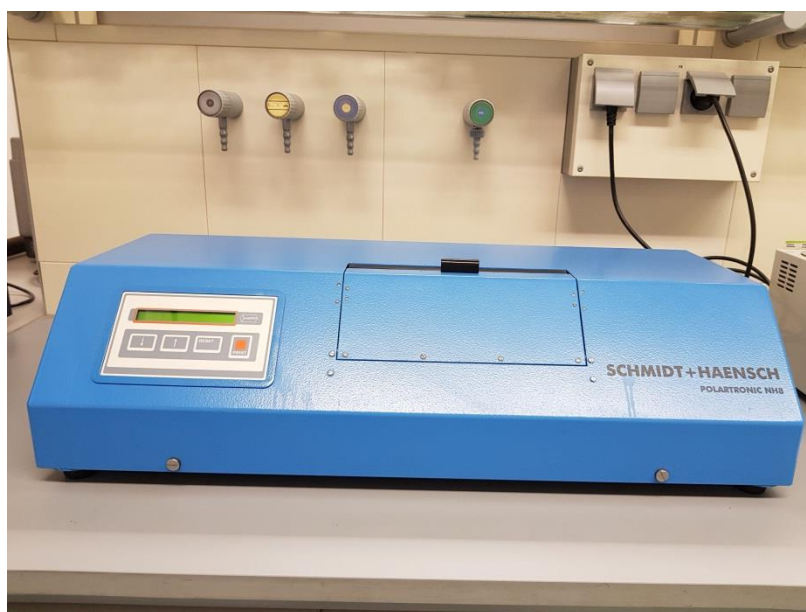
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- Varian CP-3800 plinski kromatograf s dva injektora i sustavom za hlađenje injektora pogonjenim CO₂ / Varian CP-3800 gas chromatograph with two injectors and a CO₂-based injector cooling system- Varian Saturn 2200 ion trap mass spectrometer / Varian Saturn 2200 spektrometar masa s ionskom stupicom
Godina proizvodnje/ Year of manufacture:	2004.
Cijena/ Price:	674.623,30 HRK
Usluge/Services:	<ul style="list-style-type: none">- Separacija i analiza smjesa organskih spojeva korištenjem kemijske ionizacije, ionizacije elektronima i MS/MS tehnike / Organic compound mixture separation and analysis using electron or chemical ionization, and MS/MS techniques
Radno vrijeme/ Working hours:	Od 8 do 16 sati/From 8 a.m. to 16 p.m.
Kontakt/Contact:	prof. dr. sc. Zlatko Mihalić +385 1 4606 412 mihalic@chem.pmf.hr

Naziv/Name: Polarimetar/Polarimeter

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za organsku kemiju/Division of Organic Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Operativna valna duljina 589.44 nm (natrijeva D linija) s dodatnom valnom duljinom na 882 nm za tamno obojane uzorke / Operating wavelenght at 589.44 nm (sodium D line) with additional wavelenght at 882 nm for dark coloured samples,
- rezolucija od 0.005° / resolution of 0.005°

**Godina proizvodnje/
Year of manufacture:** 2006

**Cijena/
Price:** 139.333,76 HRK

Usluge/Services: - Određivanje optičke aktivnosti kiralnih uzoraka / Measuring the optical acitivity of chiral compounds

**Radno vrijeme/
Working hours:** Od 9 do 16 sati/From 9 a.m. to 16 p.m.

Kontakt/Contact: prof. dr. sc. Srđanka Tomić-Pisarović
tel. +381 1 460 6411
e-mail: stomic@chem.pmf.hr

Naziv/Name:	PowerEdge R830 radna stanica/PowerEdge R830 Server
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of Physical Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- 4 × Intel Xeon E5-4610 v4 procesori / 4 × Intel Xeon E5-4610 v4 processors- Hardverski RAID kontroler / Hardware RAID controller- 128 GB RAM
Godina proizvodnje/ Year of manufacture:	2017.
Cijena/ Price:	100.000,00 HRK
Usluge/Services:	<ul style="list-style-type: none">- Kvantno-kemijski proračuni, statistička analiza velikih skupova podataka / Quantum chemical calculations, Analysis of Large Data Sets
Radno vrijeme/ Working hours:	Od 9:00 do 17:00 sati / From 9:00 to 17:00
Kontakt/Contact:	prof. dr. sc. Tomica Hrenar +385 1 4606 072 hrenar@chem.pmf.hr

Naziv/Name:	Radna stanica SGI/SGI workstation
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za organsku kemiju/Division of Organic Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- Dvoprosorski 12-jezgreni Xeon / Dual 12-core Xeon processors- Hardverski RAID kontroler / Hardware RAID controller- 512 GB RAM- 2x100GB SSD; 2x1,5TB SATA HDD; 2x1TB SAS HDD
Godina proizvodnje/ Year of manufacture:	2015.
Cijena/ Price:	104.700,00 HRK
Usluge/Services:	<ul style="list-style-type: none">- Kvantno-kemijski proračuni / Quantum chemical calculations
Radno vrijeme/ Working hours:	Od 8 do 16 sati/From 8 a.m. to 16 p.m.
Kontakt/Contact:	prof. dr. sc. Zlatko Mihalić +385 1 4606 403 mihalic@chem.pmf.hr

Naziv/Name:	Razlikovni pretražni kalorimetar DSC823e Mettler Toledo / Differential scanning calorimeter DSC823e Mettler Toledo
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za opću i anorgansku kemiju /Division of General and Inorganic Chemistry
Dostupnost/Availability:	Interno/Internally Komerrijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:**

Područje rada $-80\text{ }^{\circ}\text{C}$ do $500\text{ }^{\circ}\text{C}$, točnost $\pm 0,2\text{ }^{\circ}\text{C}$, brzina zagrijavanja $0,01$ – 300 K/min ; brzina hlađenja $0,01$ – 50 K/min , HSS7-senzor (keramički), raspon mjerenja $\pm 160\text{ mW}$ ($100\text{ }^{\circ}\text{C}$), rezolucija $0,01\text{ }\mu\text{W}$, STARe programski paket / Temperature range $-80\text{ }^{\circ}\text{C}$ to $500\text{ }^{\circ}\text{C}$, temperature accuracy $\pm 0.2\text{ }^{\circ}\text{C}$, heating rate 0.01 – 300 K/min , cooling rate 0.01 – 50 K/min , HSS7-sensor (ceramic), measurement range $\pm 160\text{ mW}$ ($100\text{ }^{\circ}\text{C}$), resolution $0,01\text{ }\mu\text{W}$, STARe software package

Godina proizvodnje/ Year of manufacture:	2006.
Cijena/ Price:	236.486,02 kn
Usluge/Services:	Kalorimetrijski pokus / Calorimetric experiment
Radno vrijeme/ Working hours:	08:00 – 16:00 / 08:00 a.m. – 04:00 p. m.
Kontakt/Contact:	Doc. dr. sc. Dominik Cinčić +381 1 460 6362 dominik@chem.pmf.hr

Naziv/Name:	Rentgenski difraktometar za monokristal Oxford Diffraction X'Calibur 3 / X-ray single crystal diffractometer Oxford Diffraction X'Calibur 3
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za opću i anorgansku kemiju /Division of General and Inorganic Chemistry
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	MoK α zračenje (grafitni monokromator), 4-kružni Kappa goniometar, CCD detektor, <i>CrysAlis</i> programski paket/ MoK α radiation (graphite-monochromator), 4-circle Kappa goniometer, CCD detector, <i>CrysAlis</i> software package
Godina proizvodnje/ Year of manufacture:	2002.
Cijena/ Price:	2.863.413,80 kn
Usluge/Services:	Prikupljanje difrakcijskih podataka ('male' molekule) pri sobnoj i sniženoj temperaturi (tekući dušik) / X-ray data collection ('small' molecules) at ambient and cryogenic temperatures (liquid nitrogen)
Radno vrijeme/ Working hours:	08:00 – 16:00 / 08:00 a.m. – 04:00 p. m.
Kontakt/Contact:	Doc. dr. sc. Ivica Đilović +381 1 460 6376 idilovic@chem.pmf.hr

Naziv/Name:	Rentgenski difraktometar za prah PHILIPS PW 1840 / X-ray powder diffractometer PHILIPS PW 1840
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za opću i anorgansku kemiju /Division of General and Inorganic Chemistry
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	CuK α zračenje, Bragg-Brentano geometrija, plinom punjeni detektor, <i>Philips X'Pert</i> programski paket/ CuK α radiation, Bragg-Brentano geometry, gas filled detector, <i>Philips X'Pert</i> software package
Godina proizvodnje/ Year of manufacture:	1996.
Cijena/ Price:	442.952,00
Usluge/Services:	Prikupljanje difrakcijskih podataka (polikristalni uzorci), kvalitativna analiza / X-ray data collection (polycrystalline samples), qualitative analysis
Radno vrijeme/ Working hours:	08:00 – 16:00 / 08:00 a.m. – 04:00 p. m.
Kontakt/Contact:	Doc. dr. sc. Ivica Đilović +381 1 460 6376 idilovic@chem.pmf.hr

Naziv/Name:	Rotacijski uparivač/Rotary evaporator 306
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za organsku kemiju/Division of Organic Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- Rotacijski uparivač R-215 sa grijačom kupelji B-491 (brzina: 20-280 rpm, temp.: 20-180 °C) / Rotavapor R-215 with heating bath B-491 (rotation speed range : 20-280 rpm, temperature control range 20-180 °C)- Vakuumpumpe sa kontrolom vakuuma (V-700/710 + V-850/855) – dvije i četiri PTFE membrane / Vacuum pumps with vacuum controllers (V-700/710 + V-850/855) – two and four PTFE membranes- Tlakovi do 10 odnosno 2 mbar / Pressure down to 10 mbar, 2 mbar by means of diaphragm pump
Godina proizvodnje/ Year of manufacture:	2007
Cijena/ Price:	54.045,02 HRK
Usluge/Services:	<ul style="list-style-type: none">- Uparavanje organskih otapala (polarnih i nepolarnih) / Evaporation of common organic solvents (polar and nonpolar)- Vakuumpumpe samostalno za snižavanje tlakova / Individually vacuum pumps for lowering pressure
Radno vrijeme/ Working hours:	Od 9 do 16 sati/From 9 a.m. to 16 p.m.
Kontakt/Contact:	izv. prof. dr. sc. Vesna Petrović-Peroković +385 1 4606 409

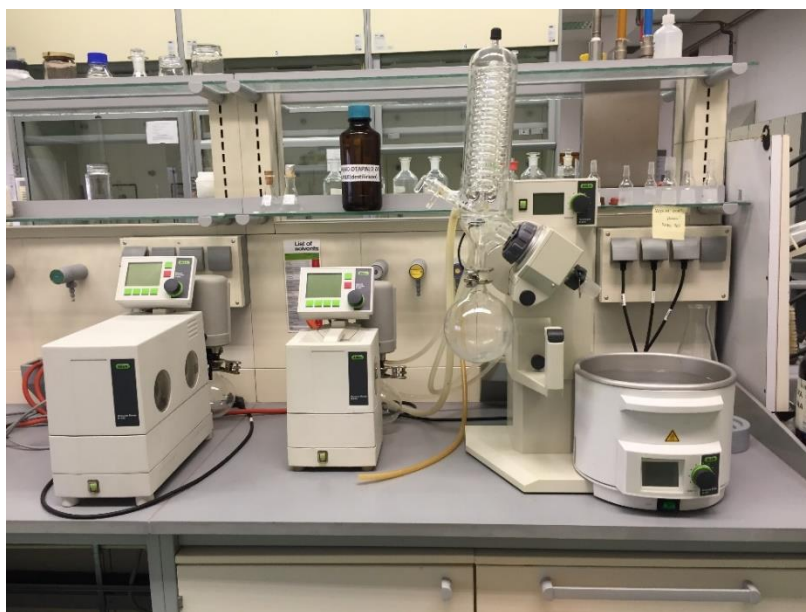
vperovi@chem.pmf.hr

Naziv/Name: Rotacijski uparivač/Rotary evaporator

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za organsku kemiju/Division of Organic Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Rotacijski uparivač R-215 sa grijačom kupelji B-491 (brzina: 20-280 rpm, temp.: 20-180 °C) / Rotavapor R-215 with heating bath B-491 (rotation speed range : 20-280 rpm, temperature control range 20-180 °C)
- Vakuumpumpe sa kontrolom vakuuma (V-700/710 + V-850/855) – dvije i četiri PTFE membrane / Vacuum pumps with vacuum controllers (V-700/710 + V-850/855) – two and four PTFE membranes
- Tlakovi do 10 odnosno 2 mbar / Pressure down to 10 mbar, 2 mbar by means of diaphragm pump

**Godina proizvodnje/
Year of manufacture:** 2008

**Cijena/
Price:** 60.631,56 HRK

Usluge/Services:

- Uparavanje organskih otapala (polarnih i nepolarnih) / Evaporation of common organic solvents (polar and nonpolar)
- Vakuumpumpe samostalno za snižavanje tlakova / Individually vacuum pumps for lowering pressure

**Radno vrijeme/
Working hours:** Od 8 do 16 sati/From 8 a.m. to 16 p.m.

Kontakt/Contact: dr. sc. Krešimir Baumann
+385 1 4606 402

kbaumann@chem.pmf.hr

Naziv/Name: Rotacijski uparivač/Rotary evaporator

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za organsku kemiju/Division of Organic Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Automatsko traženje temperature vrenja otapala / Automatic solvent boiling point detection
- Maksimalan volume kupke / Bath volume maximum: 3 L
- Temperaturni raspon / Temperature range: RT to 180 °C
- Brzina rotacije / Speed range: 20–280 rpm
- Površina hlađenja / Cooling surface: 1200 cm²

**Godina proizvodnje/
Year of manufacture:** 2014

**Cijena/
Price:** 33.036,01 HRK

Usluge/Services: - Vertikalni sustav za destilaciju dizajniran za laku uporabu kod svih primjena vezanih za otparavanje hlapljivih komponenti / Vertical distilling system designed for ease of use in all standard evaporating applications

**Radno vrijeme/
Working hours:** Od 8 do 16 sati/From 8 a.m. to 16 p.m.

Kontakt/Contact:

prof. dr. sc. Hrvoj Vančik
+385 1 4606 412
vancik@chem.pmf.hr

Naziv/Name: Sakupljač frakcija/Fraction Collector

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za organsku kemiju/Division of Organic Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Dimenzije (širina, dubina visina: 31.1, 53.3, 37.8 cm) / Dimensions (width, depth, height: 31.1, 53.3, 37.8 cm);
- Težina: 10.3 kg / Weight: 10.3 kg;
- Operabilni napon: 100-240 VAC, 50-60 Hz / Operating voltage: 100-240 VAC, 50-60 Hz;
- Operabilna temperatura rada: 0-40 °C / Operating temperature: 0-40 °C
- Maks. protok: 125 mL/min / Max. flow rate: 125 mL/min

**Godina proizvodnje/
Year of manufacture:** 2015.

**Cijena/
Price:** 66.468.25 HRK

Usluge/Services:

- Sakupljanje frakcija (u epruvete različitih dimenzija, mikrotitarske pločice, boce) prilikom pročišćavanja smjesa kromatografskim postupcima / Fraction collection (in different diameter tubes, microtiter plates, bottles) after purification of mixtures by chromatographic methods
- Sakupljanje frakcija vremenski, na osnovu broja kapi ili predodređenog volumena / Collect uniform fractions by time, drop count, or pumped volume

Radno vrijeme/ Working hours:	Od 9 do 16 sati/From 9 a.m. to 16 p.m.
Kontakt/Contact:	prof. dr. sc. Srđanka Tomić-Pisarović tel. +381 1 460 6411 e-mail: stomic@chem.pmf.hr

Naziv/Name:	Spektrofluorimetar Perkin Elmer LS 50/Perkin Elmer LS 50 fluorescence spectrometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za Analitičku kemiju/Division of Analytical Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - izvor: ksenonova lampa snage 20 kW/ source: xenon discharge lamp, equivalent to 20 kW - detektor: fotomultiplikator s mogućnosti detekcije vanih duljina do 650 nm / detector: gated photomultiplier for operation up to 650 nm - monokromatori: Monk-Gillieson tip (ekscitacijski 200-800 nm, emisijski 200-650 nm) / monochromators: Monk-Gillieson type (excitation 200-800 nm, emission 200-650 nm) - mjerenje fluorecencije, fosforescencije, kemiluminiscencije i bioluminiscencije / capable of measuring fluorecence, phosphorescence, chemiluminescence and bioluminescence
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Godina proizvodnje/ Year of manufacture:	1990.
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Cijena/ Price:	-
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Usluge/Services:	- nastavne svrhe / educational purposes
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Radno vrijeme/ Working hours:	09:00 – 17:00
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Kontakt/Contact:	Prof. dr. sc. Nives Galić +385 1 460 6191 ngalic@chem.pmf.hr
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Naziv/Name:	Spektrofluorimetar Perkin Elmer LS 55/ Perkin Elmer LS 55 fluorescence spectrometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za Analitičku kemiju/Division of Analytical Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none"> - izvor: ksenonova lampa snage 20 Kw / source: xenon discharge lamp, equivalent to 20 kW - detektor: fotomultiplikator s mogućnosti detekcije vanih duljina do 650 nm / detector: gated photomultiplier for operation up to 650 nm - monokromatori: Monk-Gillieson tipa (ekscitacijski 200-800 nm, emisijski 200-650 nm) / monochromators: Monk-Gillieson type (excitation 200-800 nm, emission 200-650 nm) - mogućnost mjerenja fluoroescencije, fosfoescencije, kemiluminiscencije i bioluminiscencije / capable of measuring fluoroescence, phosphorescence, chemiluminescence and bioluminescence
Godina proizvodnje/ Year of manufacture:	2009.
Cijena/ Price:	270,000.00 kn
Usluge/Services:	<ul style="list-style-type: none"> - fluorimetrijsko određivanje konstanti ravnoteže reakcija / fluorimetric determination of equilibration reaction constants - kvantitativna kemijska analiza / quantitative chemical analysis

Radno vrijeme/ Working hours:	09:00 – 17:00
Kontakt/Contact:	Prof. dr. sc. Nives Galić +385 1 460 6191 ngalic@chem.pmf.hr

Naziv/Name: Spektroflurimetar Cary Eclipse/ Fluorescence spectrometer Cary Eclipse

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za fizikalnu kemiju/Division of physical chemistry

Dostupnost/Availability: Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:**

Snimanje fluorescencijskih, fosforescencijskih i kemo i bioluminiscencijskih spektara/Fluorescence, phosphorescence, chemi/bio-luminescence measurements
Računalna kontrola instrumenta i prikupljanje podataka/Computer controlled instrument and data acquisition

**Godina proizvodnje/
Year of manufacture:**

2016.

**Cijena/
Price:**

160 021,05 kn

Usluge/Services:

Snimanje fluorescencijskih, fosforescencijskih i kemo i bioluminiscencijskih spektara/Fluorescence, phosphorescence, chemi/bio-luminescence measurements
Određivanje termodinamičkih i kinetičkih reakcijskih veličina procesa u otopini/Determination of thermodynamic and kinetic reaction quantities of reactions in solution

**Radno vrijeme/
Working hours:**

10–16 h

Kontakt/Contact:

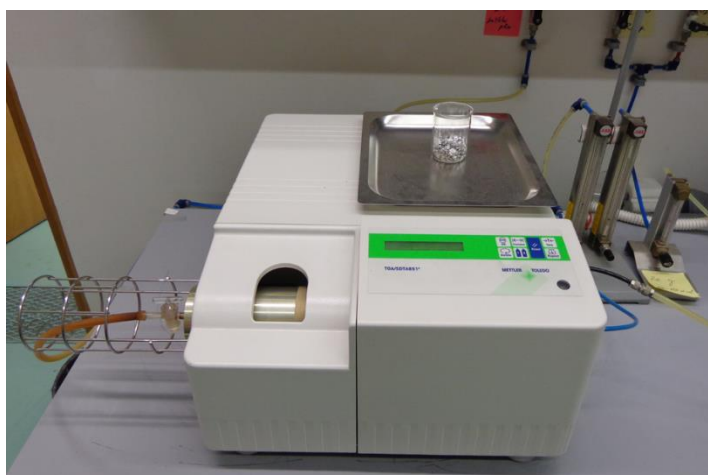
Katarina Leko
+38514606138
kleko@chem.pmf.hr

Naziv/Name:	Spektrometar zaustavljenog protoka Applied Photophysics SX20/ Stopped-flow spectrometer Applied Photophysics SX20
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of physical chemistry
Dostupnost/Availability:	Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Praćenje kinetike brzih reakcija u otopine spektrofotometrijskim mjerjenjima/ Spectrophotometric measurements of rapid reaction kinetics in solution Računalna kontrola instrumenta i prikupljanje podataka/Computer controlled instrument and data acquisition Snimanje apsorbancija i ukupne fluorescencije u UV-VIS području/UV-VIS absorbance measurements
Godina proizvodnje/ Year of manufacture:	2010.
Cijena/ Price:	344 400 kn
Usluge/Services:	Snimanje UV-Vis spektara otopina. Određivanje kinetičkih parametara brzih reakcija u otopini/Determination of kinetic parameters of fast reactions in solution
Radno vrijeme/ Working hours:	10–16 h
Kontakt/Contact:	Gordan Horvat +38514606157 ghorvat@chem.pmf.hr

Naziv/Name:	TGA/SDTA851 ^e Mettler Toledo STAR ^e modul/ Mettler Toledo STAR ^e TGA/SDA851 ^e module
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za opću i anorgansku kemiju /Division of General and Inorganic Chemistry
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Područje rada 25–1100 ($\pm 0,25$) °C, MT5 mikrovaga ($m_{\max} = 5,0$ g), razlučivost 1 μg , SDTA senzor – R-termoelement (Pt-Pt/Rh 13%), SDTA razlučivost 0,005 °C, STAR ^e programski paket / Temperature range 25–1100 (± 0.25) °C, MT5 microbalance ($m_{\max} = 5,0$ g), resolution 1 μg , SDTA sensor – R-thermocouple (Pt-Pt/Rh 13%), SDTA resolution 0.005 °C, STAR ^e software package
Godina proizvodnje/ Year of manufacture:	2006.
Cijena/ Price:	200.195,89 kn
Usluge/Services:	Termogravimetrijska krivulja, SDTA krivulja / TG curve, DTA curve
Radno vrijeme/ Working hours:	08:00 – 16:00 / 08:00 a.m. – 04:00 p. m.
Kontakt/Contact:	Doc. dr. sc. Dominik Cinčić +381 1 460 6362 dominik@chem.pmf.hr

Naziv/Name:	Uređaj za hidrogeniranje/Hydrogenation apparatus
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za organsku kemiju/Division of Organic Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	- Uređaj za hidrogeniranje uz miješanje pri visokom tlaku (3-7 bar) / Shaker Type Hydrogenation Apparatus under high pressure (3-7 bar)
Godina proizvodnje/ Year of manufacture:	Nadogradnja 2017./Upgraded 2017
Cijena/ Price:	-
Usluge/Services:	- Sve reakcije koje zahtijevaju vodik uz visoki tlak (uklanjanje zaštitnih skupina, hidrogeniranja, itd.) / All hydrogenation reactions under high pressure (deprotection, hydrogenations, etc.)
Radno vrijeme/ Working hours:	Od 9 do 16 sati/From 9 a.m. to 16 p.m.
Kontakt/Contact:	izv. prof. dr. sc. Vesna Petrović-Peroković +385 1 4606 409 vperovi@chem.pmf.hr

Naziv/Name:	Uv-VIS Spektrofotometar Analytik Jena Specord 200/ Analytik Jena Specord 200 UV-VIS spectrophotometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za analitičku kemiju/Division of Analytical Chemistry
Dostupnost/Availability:	Interno/Internally



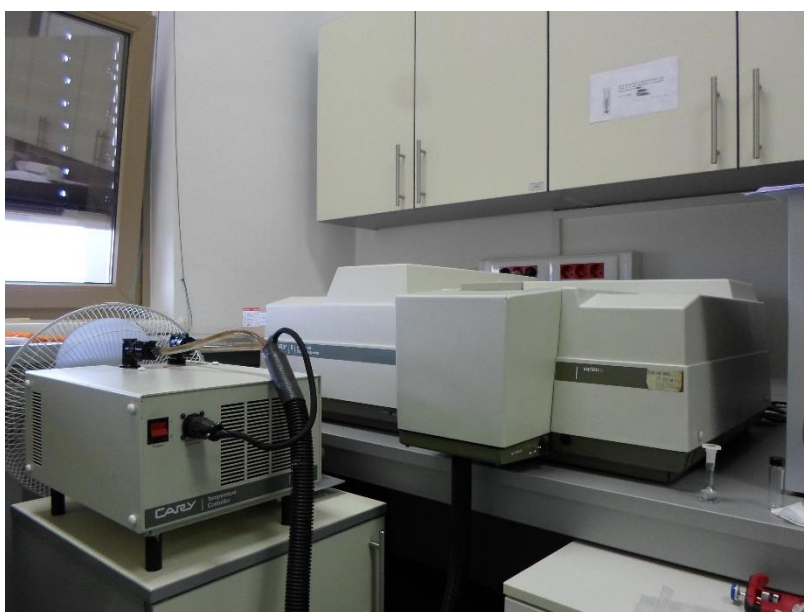
Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- Dvosnopni spektrofotometar sa monokromatorom (190 – 1100 nm) / double-beam spectrophotometer with monochromator (190 – 1100)- Izvor: deuterijeva i halogena lampa / source: deuterium and halogen lamp- Širina spektralnog pojasa 1,4 nm / spectral bandwidth 1,4 nm
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	-
Usluge/Services:	<ul style="list-style-type: none">- Nastavne svrhe / educational purposes- Znanstveno-istraživačka djelatnost / scientific research
Radno vrijeme/ Working hours:	9:00 – 17:00
Kontakt/Contact:	mag. chem. Tomislav Benković +385 1 460 6197 tbenkovic@chem.pmf.hr

Naziv/Name: UV–VIS–NIR Spektrofotometar Cary 5/ UV–VIS–NIR Spectrophotometer Cary 5

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za fizikalnu kemiju/Division of physical chemistry

Dostupnost/Availability: Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Dvoznačni spektrofotometar/Dual beam spectrophotometer
Termostatirani držači ćelija/Thermostated cell holders
Snimanje spektara u UV-VIS-NIR području/UV-VIS-NIR spectra recording

**Godina proizvodnje/
Year of manufacture:** 1990.

**Cijena/
Price:**

Usluge/Services: Snimanje UV–Vis–NIR spektara otopina i krutina/Recording of UV-VIS–NIR spectra of solutions and solids
Određivanje termodinamičkih i kinetičkih reakcijskih veličina reakcija u otopini/Determination of thermodynamic and kinetic reaction quantities of reactions in solution

**Radno vrijeme/
Working hours:** 10–16 h

Kontakt/Contact: Vladislav Tomišić
+38514606136
vtomistic@chem.pmf.hr

Naziv/Name: UV–VIS Spektrofotometar Cary 50/UV–VIS Spectrophotometer Cary 50

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za fizikalnu kemiju/Division of physical chemistry

Dostupnost/Availability: Komercijalno/ Commercially



**Tehničke karakteristike/
Technical characteristics:** Jednozračni spektrofotometar/Single beam spectrophotometer
Termostatirani držač ćelije/Thermostated cell holder
Snimanje spektara u UV-VIS području/UV-VIS spectra recording

**Godina proizvodnje/
Year of manufacture:** 2012.

**Cijena/
Price:** 78 432 kn

Usluge/Services: Snimanje UV–Vis spektara otopina/Recording of UV-VIS spectra of solutions
Određivanje termodinamičkih i kinetičkih reakcijskih veličina procesa u otopini/Determination of thermodynamic and kinetic reaction quantities of reactions in solution

**Radno vrijeme/
Working hours:** 10–16 h

Kontakt/Contact: Nikola Bregović
+38514606138
nbregovic@chem.pmf.hr

Naziv/Name:	UV–VIS Spektrofotometar Cary 60/ UV–VIS Spectrophotometer Cary 60
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of physical chemistry
Dostupnost/Availability:	Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Jednozračni spektrofotometar/Single beam spectrophotometer Termostatirani držač ćelije/Thermostated cell holder Snimanje spektara u UV-VIS području/UV-VIS spectra recording
Godina proizvodnje/ Year of manufacture:	2016.
Cijena/ Price:	91 814,16 kn
Usluge/Services:	Snimanje UV–Vis spektara otopina/Recording of UV-VIS spectra of solutions Određivanje termodinamičkih i kinetičkih reakcijskih veličina procesa u otopini/Determination of thermodynamic and kinetic reaction quantities of reactions in solution
Radno vrijeme/ Working hours:	10–16 h
Kontakt/Contact:	Nikola Bregović +38514606138 nbregovic@chem.pmf.hr

Naziv/Name:	UV-Vis spektrofotometar Varian Cary 100/ Varian Cary 100 UV-Vis spectrophotometer
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za opću i anorgansku kemiju /Division of General and Inorganic Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Područje rada 200–600 nm (VIS: volfram-halogen lamp, UV: deuterijska lamp), Czerny-Turner 0,278 m monokromator, R928 PMT detektor, <i>Carry WinUV</i> programski paket /Wavelength range 200–600 nm (VIS: tungsten-halogen lamp, UV: deuterium lamp), Czerny-Turner 0,278 m monochromator, R928 PMT detector, <i>Carry WinUV</i> software package
Godina proizvodnje/ Year of manufacture:	2001.
Cijena/ Price:	170.546,90
Usluge/Services:	Namjena: analiza spojeva koji apsorbiraju svjetlo u vidljivom i UV području (otopine) / Purpose: analysis of chemical compounds that absorb light in visible or UV range (for solutions)
Radno vrijeme/ Working hours:	08:00 – 16:00 / 08:00 a.m. – 04:00 p. m.
Kontakt/Contact:	Prof. dr. sc. Višnja Vrdoljak +381 1 460 6353 visnja@chem.pmf.hr

Naziv/Name:	Visokodjelotvorni tekućinski kromatograf Agilent 1100/High performance liquid chromatography instrument Agilent 1100
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of physical chemistry
Dostupnost/Availability:	Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	UV detekcija uzorka/ UV sample detection Računalna kontrola instrumenta i prikupljanje podataka/Computer controlled instrument and data acquisition
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	
Usluge/Services:	HPLC analiza uzoraka/HPLC sample analysis
Radno vrijeme/ Working hours:	10–16 h
Kontakt/Contact:	Nikola Cindro +38514606141 ncindro@chem.pmf.hr

Naziv/Name:	Visokodjelotvorni tekućinski kromatograf Agilent 1100/High performance liquid chromatography instrument Agilent 1100
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za fizikalnu kemiju/Division of physical chemistry
Dostupnost/Availability:	Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	UV detekcija uzorka/ UV sample detection Računalna kontrola instrumenta i prikupljanje podataka/Computer controlled instrument and data acquisition
Godina proizvodnje/ Year of manufacture:	
Cijena/ Price:	
Usluge/Services:	HPLC analiza uzoraka/HPLC sample analysis
Radno vrijeme/ Working hours:	10–16 h
Kontakt/Contact:	Nikola Cindro +38514606141 ncindro@chem.pmf.hr

Naziv/Name:	Visokodjelotvorni tekućinski kromatograf /High performance liquid chromatography instrument
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za organsku kemiju/Division of Organic Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- ThermoSeparationProducts HPLC sustav sa pumpom, degazerom, kolonom, sistem kontrolerom SN4000 i dva detektora (UV/VIS + fluorescencijski) / ThermoSeparationProducts HPLC system with pump, degaser, column, system controller and 2 detectors (UV/VIS + fluorescence)
Godina proizvodnje/ Year of manufacture:	1995.
Cijena/ Price:	540.300,00 HRK
Usluge/Services:	<ul style="list-style-type: none">- Praćenje tijeka reakcije / Reaction monitoring- Pročišćavanje i analiza uzoraka / Product purity purification and analysis of compounds- Mjerenje kinetika / Kinetic measurements
Radno vrijeme/ Working hours:	Od 8 do 16 sati/From 8 a.m. to 16 p.m.
Kontakt/Contact:	izv. prof. dr. sc. Ines Primožič +385 1 4606 408 ines@chem.pmf.hr

Naziv/Name:	Visokodjelotvorni tekućinski kromatograf Agilent 1100/High performance liquid chromatography instrument Agilent 1100
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za organsku kemiju/Division of Organic Chemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	<ul style="list-style-type: none">- Agilent 1100 HPLC sa pumpom, autosamlerom, termostatiranim dijelom za kolonu te DAD detektorom / Agilent 1100 HPLC with quaternary pump, autosampler, thermostatted column compartment and DAD detector- maks. protok 5 ml min⁻¹ / max flow rate 5 ml min⁻¹
Godina proizvodnje/ Year of manufacture:	2008
Cijena/ Price:	-
Usluge/Services:	<ul style="list-style-type: none">- Praćenje tijeka reakcije / Reaction monitoring- Pročišćavanje i analiza uzoraka / Product purity purification and analysis of compounds- Mjerenje kinetika / Kinetic measurements
Radno vrijeme/ Working hours:	Od 8 do 16 sati/From 8 a.m. to 16 p.m.
Kontakt/Contact:	prof. dr. sc. Zlatko Mihalić + 381 1 460 6403 e-mail: mihalic@chem.pmf.hr

Naziv/Name: Visokodjelotvorni tekućinski kromatograf Agilent 1200 Infinity/ Agilent 1220 Infinity high-performance liquid chromatograph

**Tip opreme/
Type of equipment:** Znanstvena oprema/Scientific equipment

Lokacija/Location: Kemijski odsjek/Department of Chemistry
Zavod za analitičku kemiju/Division of Analytical Chemistry

Dostupnost/Availability: Interno/Internally



**Tehničke karakteristike/
Technical characteristics:**

- Binarna pumpa s ugrađenim otplinjivačem (maksimalni tlak 400 bara) / Binary pump with degasser (maximum pressure 400 bar)
- Automatski uzorkivač s nosačem za 100 viala (2 mL), injektor i injekcijska petlja (100 µl) / Standard autosampler with 100-vial tray and 100 µl injection loop
- Termostatirani prostor za kolonu (od 25 °C do 80 °C) / Thermostatted column compartment (from 25 °C to 80 °C)
- VWD detektor (190 – 600 nm) / Variable wavelength detector (190 – 600 nm)

**Godina proizvodnje/
Year of manufacture:** 2013.

**Cijena/
Price:** -

Usluge/Services:

- Nastavne svrhe / educational purposes
- Znanstveno-istraživačka djelatnost / scientific research

- Razvoj novih metoda analize / development of new methods of analysis

**Radno vrijeme/
Working hours:**

9:00 – 17:00 h

Kontakt/Contact:

Prof. dr. sc. Nives Galić
+385 1 460 6191
ngalic@chem.pmf.hr
Mag. chem. Marijana Pocrnić
+385 1 460 6190
mpocrnic@chem.pmf.hr

8tERMOSTATIRANA Naziv/Name:	Termostatirana tresilica Thermo Scientific MaxQ 420 HP Incubated Tabletop Orbital Shaker Thermo Scientific MaxQ 420 HP
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Max volumen uzgoja / Max culture volume 2 L Temperatura / Temperature Range 30 °C – 80 °C Brzina vrtnje / Speed Range 25 - 525 ±1rpm Radijus vrtnje / Orbit 2,54 cm (1 in)
Godina proizvodnje/ Year of manufacture:	2015.
Cijena/ Price:	83 158 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Vladimir Zanki +385 1 4606233 vladimir.zanki@chem.pmf.hr

Naziv/Name:	Termostatirana tresilica Thermo Forma 481 Incubated Orbital Shaker Thermo Forma 481
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Max volumen uzgoja / Max culture volume 6 L Temperatura / Temperature Range 4 °C – 60 °C Brzina vrtnje / Speed Range 25 - 525 ±1rpm Radijus vrtnje / Orbit 2,54 cm (1 in)
Godina proizvodnje/ Year of manufacture:	2003.
Cijena/ Price:	100 000 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Vladimir Zanki +385 1 4606233 vladimir.zanki@chem.pmf.hr

Naziv/Name:	Scintilacijski brojač Tri-Carb 2900 TR (Perkin Elmer) Liquid scintillation analyzer Tri-Carb 2900 TR (Perkin Elmer)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Raspon energija / Energy Range 0 - 2 000 keV Pogodan za mjerenje aktivnosti svih uobičajenih radioizotopa (^3H , ^{14}C , ^{35}S , ^{32}P ,...) / Suitable for activity measurements of all commonly used radioisotopes (^3H , ^{14}C , ^{35}S , ^{32}P ,...)
Godina proizvodnje/ Year of manufacture:	2005.
Cijena/ Price:	302 636,25 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Igor Živković, +385 1 4606234 izivkovic@chem.pmf.hr

Naziv/Name:	Uređaj za PCR Bio-Rad T100 T100 Thermal Cycler (Bio-Rad)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Kapacitet / Sample capacity 96 x 0.2 ml tubes, 0.2 ml tube strips, 1 x 96-well plate Grijani poklopac / Heated lid Mogućnost stvaranja temperaturnog gradijenta / gradient thermal cycler Raspon temperaturnog gradijenta / Temperature differential range 1–25°C
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	39 014,94 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Marija Viher +385 1 4606234 marija.viher@chem.pmf.hr

Naziv/Name:	Uređaj za PCR Eppendorf Mastercycler ep gradient S Thermal Cyler Mastercycler ep gradient S (Eppendorf)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Kapacitet / Sample capacity 96 x 0.2 ml tubes, 0.2 ml tube strips, 1 x 96-well plate Grijani poklopac / Heated lid Mogućnost stvaranja temperaturnog gradijenta / gradient thermal cycler Raspon temperaturnog gradijenta / Temperature differential range 1–24°C
Godina proizvodnje/ Year of manufacture:	2007.
Cijena/ Price:	
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Marija Viher +385 1 4606234 marija.viher@chem.pmf.hr

Naziv/Name:	Višenamjenska centrifuga s hlađenjem Sigma 6K15 SIGMA 6K15 High Speed Refrigerated Centrifuge
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Max brzina / Max speed 15000 rpm Max centrifugalna sila / Max RCF 25 160 x g Kapacitet: do 3 L
Godina proizvodnje/ Year of manufacture:	2004.
Cijena/ Price:	90 000 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Marija Viher +385 1 4606234 marija.viher@chem.pmf.hr

Naziv/Name:	Višenamjenska centrifuga s hlađenjem Sigma 6K15 SIGMA 6K15 High Speed Refrigerated Centrifuge
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Max brzina / Max speed 15000 rpm Max centrifugalna sila / Max RCF 25 160 x g Kapacitet: do 3 L
Godina proizvodnje/ Year of manufacture:	1998.
Cijena/ Price:	90 000 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Marija Viher +385 1 4606234 marija.viher@chem.pmf.hr

Naziv/Name:	Ultracentrifuga Optima L-100 XP (Beckman Coulter) Ultracentrifuge Optima L-100 XP (Beckman Coulter)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Max brzina / Max speed 100,000 rpm Temperatura / Temperature 0 – 40 °C Dostupni rotori / Available rotors Type Ti 70.1 (max 70 000 rpm, 12 x 13,5 mL), VTi 90 (max 90 000 rpm, 8 x 5,1 mL)
Godina proizvodnje/ Year of manufacture:	2002.
Cijena/ Price:	650 000 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Marija Viher +385 1 4606234 marija.viher@chem.pmf.hr

Naziv/Name:	Spektrofluorimetar Perkin Elmer LS 55 Fluorescence spectrometer Perkin Elmer LS 55
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Monokromatori / Monocromators: Ekscitacija / Excitation 200-800 nm Emisija / Emission 200-650 nm Polarizacijski filteri za ekscitaciju i emisiju / Excitation and Emission Polarizers Termostatirani držač kivete / thermostatted cuvette holder
Godina proizvodnje/ Year of manufacture:	2014.
Cijena/ Price:	148 641,66
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Vladimir Zanki +385 1 4606233 vladimir.zanki@chem.pmf.hr

Naziv/Name:	Kromatografski sustav ÄKTApurifier 10 Chromatography system ÄKTApurifier 10
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Protok / Flow Rate 0,001 ml/min - 10 ml/min Tlak / Operating Pressure Max. 25 MPa (3626 psi) Dvije klipne pumpe / Two independent piston pumps Podesivi UV/VIS detektor, 190-700 nm, simultano do 3 valne duljine / Tunable UV/VIS monitor, 190-700 nm, up to 3 wavelengths Detektor vodljivosti / Conductivity monitor
Godina proizvodnje/ Year of manufacture:	2009.
Cijena/ Price:	255 000 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Marko Močibob +385 1 4606235 mocibob@chem.pmf.hr

Naziv/Name:	Bioreaktor Biostat A plus (Sartorius) Bioreaktor Biostat A plus (Sartorius)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Radni volumen / working volume 0,6-5 L Temperatura 0 – 40 °C Senzori pH, temperature i otopljenog kisika
Godina proizvodnje/ Year of manufacture:	2014.
Cijena/ Price:	162 711 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Mario Kekez +385 1 4606233 mario.kekez@chem.pmf.hr

Naziv/Name:	Uređaj za brzo pokretanje i zaustavljanje kem. reakcija RQF-3 (KinTek) Quench-Flow Instrument RQF-3 (KinTek)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Najkraće reakcijsko vrijeme / Shortest reaction time 2.5 milliseconds. Min. volumen uzorka (po uzorku, po vremenskoj točki)/ Min. Sample Volume (per sample per shot): 15 - 20 μ l Max. volumen uzorka / Max Sample Volume: 5 ml Temperaturni raspon / Temperature Range: 4 - 70 $^{\circ}$ C
Godina proizvodnje/ Year of manufacture:	2008.
Cijena/ Price:	
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Igor Živković, +385 1 4606234 izivkovic@chem.pmf.hr

Naziv/Name:	Višenamjenska centrifuga s hlađenjem Eppendorf 5430R Multipurpose refrigerated centrifuge Eppendorf 5430R
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Max brzina / Max speed 17 500 rpm Max centrifugalna sila / Max RCF 30 130 x g Temperaturni raspon / Temperature range -11 °C - 40 °C Dostupni rotori / Rotors available: 24 x 1,5/2,0 mL, 6 x 15/50 mL L
Godina proizvodnje/ Year of manufacture:	2009.
Cijena/ Price:	59 334 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Marija Viher +385 1 4606234 marija.viher@chem.pmf.hr

Naziv/Name:	Uređaj za termoforezu Nanotemper Monolith NT.115 Instrument for Microscale Thermophoresis Nanotemper Monolith NT.115
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally Komercijalno/ Commercially



Tehničke karakteristike/ Technical characteristics:	Određivanje konstanti disocijacije / Determination of K_d : 1 nM – mM MW 10^1 – 10^7 Volumen $16 \times 10 \mu\text{l}$ 22 – 45 °C
Godina proizvodnje/ Year of manufacture:	2014.
Cijena/ Price:	951 900 kn
Usluge/Services:	Određivanje konstanti disocijacije termoforezom / MST determination of K_d
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Vladimir Zanki +385 1 4606233 vladimir.zanki@chem.pmf.hr

Naziv/Name:	Uređaj za razaranje stanica Cell Disruptor TS Series 0,75 kW (Constant Systems) Cell Disruptor TS Series 0,75 kW (Constant Systems)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Procesiranje velikih volumena suspenzije stanica (10 – 500 mL) / Cell disruption of large sample volumes (up to 500 mL) Razaranje bakterijskih, kvašćevih i animalnih stanica / Disruption of bacterial, yeast and animal cells Radni tlak do 40 000 psi (276 Mpa) / Operational pressure: up to 40 000 psi
Godina proizvodnje/ Year of manufacture:	2013.
Cijena/ Price:	345 624 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Vladimir Zanki +385 1 4606233 vladimir.zanki@chem.pmf.hr

Naziv/Name:	Uređaj za mjerenje raspršenja svjetlosti miniDAWN TREOS (Wyatt Technology) miniDAWN TREOS Light Scattering Instrument (Wyatt Technology)
Tip opreme/ Type of equipment:	Znanstvena oprema/Scientific equipment
Lokacija/Location:	Kemijski odsjek/Department of Chemistry Zavod za biokemiju/Division of biochemistry
Dostupnost/Availability:	Interno/Internally



Tehničke karakteristike/ Technical characteristics:	Broj detektora (kuteva) / Static Scattering Detectors (angles): 3 Raspon molekulskih masa / Molar Mass Range 200 – 10 x 10 ⁶
Godina proizvodnje/ Year of manufacture:	2014.
Cijena/ Price:	372 900 kn
Usluge/Services:	
Radno vrijeme/ Working hours:	9:00 – 16:00
Kontakt/Contact:	Marko Močibob +385 1 4606235 mocibob@chem.pmf.hr

Matematički odsjek / Department of Mathematics

Naziv/Name:	Intel Xeon Phi Server
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Matematički odsjek / Department of Mathematics
Dostupnost/Availability:	Interno / Internally
Tehničke karakteristike/ Technical characteristics:	Šasija sa 4 servera s Intel(R) Xeon Phi(TM) CPU 7210 @ 1.30GHz / Chasis containing 4 servers with Intel(R) Xeon Phi(TM) CPU 7210 @ 1.30GHz
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	162.500 kn / 162,500 kuna
Usluge/Services:	Razvoj i testiranje programa za Intel(R) Xeon Phi(TM) CPU / Development and testing of software for Intel(R) Xeon Phi(TM) CPU
Radno vrijeme/ Working hours:	pon.-pet. 9-16 / M-F 9-16
Kontakt/Contact:	Krunoslav Komugović +385 1 4605869 kkomugo@math.hr

Naziv/Name:	Laboratorij za napredno računanje / Laboratory for advanced computing
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Fizički odsjek / Department of Physics Geofizički odsjek / Department of Geophysics Matematički odsjek / Department of Mathematics
Dostupnost/Availability:	Interno / Internally

Tehničke karakteristike/ Technical characteristics:	umrežena računala za paralelno računanje / networked computers for parallel computing
Godina proizvodnje/ Year of manufacture:	2008-2015
Cijena/ Price:	2.100.000 kn / 2,100,000 kuna
Usluge/Services:	okolina za pripremu i izvršavanje zahtjevnih računalnih programa / environment for preparation and execution of demanding computer programs
Radno vrijeme/ Working hours:	pon.-pet. 9-16 / M-F 9-16
Kontakt/Contact:	Krunoslav Komugović +385 1 4605869 kkomugo@math.hr

Naziv/Name:	Wolfram Mathematica
Tip opreme/ Type of equipment:	Računalni program / Computer software
Lokacija/Location:	Matematički odsjek / Department of Mathematics
Dostupnost/Availability:	Interno / Internally
Tehničke karakteristike/ Technical characteristics:	Wolfram Mathematica – program za simboličko računanje / Wolfram Mathematica – symbolic computation program
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	31.000 kn godišnje (najam licence) / 31,000 kuna annually (license fee)
Usluge/Services:	15 licenci za istovremeno korištenje / 15 concurrent licenses
Radno vrijeme/ Working hours:	pon.-pet. 9-16 / M-F 9-16
Kontakt/Contact:	Krunoslav Komugović +385 1 4605869 kkomugo@math.hr

Naziv/Name:	Pascal Server
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Matematički odsjek / Department of Mathematics
Dostupnost/Availability:	Interno / Internally
Tehničke karakteristike/ Technical characteristics:	Server sa 2 NVIDIA Corporation GK110BGL [Tesla K40c] kartice / Server with 2 NVIDIA Corporation GK110BGL [Tesla K40c] cards
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	126.040 kn / 126,040 kuna
Usluge/Services:	Razvoj i testiranje programa za NVIDIA Tesla / Development and testing of software for NVIDIA Tesla
Radno vrijeme/ Working hours:	pon.-pet. 9-16 / M-F 9-16
Kontakt/Contact:	Krunoslav Komugović +385 1 4605869 kkomugo@math.hr

Naziv/Name:	TIBCO Statistica
Tip opreme/ Type of equipment:	Računalni program / Computer software
Lokacija/Location:	Matematički odsjek / Department of Mathematics
Dostupnost/Availability:	Interno / Internally
Tehničke karakteristike/ Technical characteristics:	TIBCO Statistica – platforma za naprednu analitiku i podatkovno inženjerstvo / TIBCO Statistica - advanced analytics and data science platform
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	16.000 kn godišnje (najam licence) / 16,000 kuna annually (license fee)
Usluge/Services:	Neograničeni broj licenci za TIBCO Statistica / Unlimited licenses for TIBCO Statistica
Radno vrijeme/ Working hours:	pon.-pet. 9-16 / M-F 9-16
Kontakt/Contact:	Krunoslav Komugović +385 1 4605869 kkomugo@math.hr

Naziv/Name:	Vmware poslužiteljska računala
Tip opreme/ Type of equipment:	Znanstvena oprema / Scientific equipment
Lokacija/Location:	Matematički odsjek / Department of Mathematics
Dostupnost/Availability:	Interno / Internally
Tehničke karakteristike/ Technical characteristics:	2 x FUJITSU PRIMERGY RX2530 M2 server sa Intel(R) Xeon(R) CPU E5-2660 v4 @ 2.00GHz i 192 GB RAM-a
Godina proizvodnje/ Year of manufacture:	2017
Cijena/ Price:	149.550 kn / 149,550 kuna
Usluge/Services:	Vmware ESXi serveri za potrebe MO-a / Vmware ESXi servers supporting the Department of Mathematics
Radno vrijeme/ Working hours:	pon.-pet. 9-16 / M-F 9-16
Kontakt/Contact:	Krunoslav Komugović +385 1 4605869 kkomugo@math.hr