



**Godišnje izvješće o nastavnom i znanstvenom radu na
Prirodoslovno-matematičkom fakultetu
u akad. god. 2014./2015.**

Ovo izvješće objedinjuje podatke o znanstvenoj i nastavnoj aktivnosti u akademskoj godini 2014./2015., znanstvenoj produkciji u 2015. godini i međunarodnoj suradnji tijekom 2014./2015. godine na Prirodoslovno-matematičkom fakultetu. Prikupljeni podaci poslužit će kao pokazatelj naših postignuća u protekloj akademskoj godini te kao indikator aktivnosti koje trebamo provestii kako bismo nastavili podizati kvalitetu nastavnog i znanstveno-istraživačkog rada na našem Fakultetu.

6. travnja 2016.

ORGANIZACIJA

PRIRODOSLOVNO-MATEMATIČKI FAKULTET obuhvaća sedam odsjeka:

1. **MATEMATIČKI ODSJEK**
2. **FIZIČKI ODSJEK**
3. **KEMIJSKI ODSJEK**
4. **BIOLOŠKI ODSJEK**
5. **GEOLOŠKI ODSJEK**
6. **GEOGRAFSKI ODSJEK**
7. **GEOFIZIČKI ODSJEK**

Fakultetom upravlja **DEKAN** i **FAKULTETSKO VIJEĆE**. Uz Dekana poslovima od posebne važnosti bave se prodekani (za nastavu, za financije, za znanost i doktorske studije, za izgradnju te za međunarodnu suradnju). Stručne poslove obavljaju dekanatske službe na čelu s glavnom tajnicom.

Odsjekom upravljaju **PROČELNIK**, **VIJEĆE ODSJEKA** i **ODSJEČKI KOLEGIJ**. Vijeće odsjeka čine svi redoviti profesori, izvanredni profesori i docenti, predstavnici nastavnika i suradnika izabranih u nastavna i suradnička zvanja te predstavnici studenata. U sastavu odsjeka djeluju zavodi, laboratoriji, knjižnice i grupe za znanstveno-istraživački rad.

Uredi za studente:

za **MATEMATIČKI ODSJEK**

Bijenička cesta 30 (tel.: 4680328 ili 4605703)
4877737)

e-mail: referada@math.hr

za **BIOLOŠKI ODSJEK**

Rooseveltov trg 6 (tel.:

e-mail: referada@biol.pmf.hr

za **FIZIČKI I GEOFIZIČKI ODSJEK**

Bijenička cesta 32 (tel.: 4680033 ili 4605518)
4895460)

e-mail: referada@phy.hr

za **GEOGRAFSKI ODSJEK**

Marulićev trg 19/II (tel.:

e-mail: referada@geog.pmf.hr

za **KEMIJSKI ODSJEK**

Horvatovac 102a (tel.: 4606035)

e-mail: referada@chem.pmf.hr

za **GEOLOŠKI ODSJEK**

Horvatovac 102a (tel.: 4606075)

e-mail: referada@geol.pmf.hr

UPRAVA

PRIRODOSLOVNO-MATEMATIČKI FAKULTET (PMF) - DEKANAT

URL= <http://www.pmf.unizg.hr>

Zagreb, Horvatovac 102a, tel.: 4606000, fax: 4606013

e-mail: dekanat@dekanat.pmf.hr

U akademskoj godini 2014./2015. Fakultet su vodili:

- Dekan: **prof. dr. sc. Zoran Curić**
- Prodekanica za nastavu: **prof. dr. sc. Aleksandra Čižmešija**
- Prodekan za financije: **prof. dr. sc. Darko Tibljaš**
- Prodekanica za znanost: **izv. prof. dr. sc. Dubravka Hranilović**
- Prodekanica za investicije i razvoj: **izv. prof. dr. sc. Sven Jelaska**
- Prodekan za međunarodnu suradnju: **izv. prof. dr. sc. Tomica Hrenar**
- Glavna tajnica: **Dijana Košak, dipl. iur.**

**NASTAVNA DJELATNOST NA
PRIRODOSLOVNO-MATEMATIČKOM FAKULTETU**

NASTAVA NA PRIRODOSLOVNO-MATEMATIČKOM FAKULTETU U AKADEMSKOJ GODINI 2014./2015.

U akad. godini **2014./2015.** na Prirodoslovno-matematičkom fakultetu izvodila se nastava prema tzv. bolonjskim programima, dok su istovremeno apsolvanti (upisani prije akad. godine 2005./2006.) završavali dodiplomske studije prema inženjerskim i profesorskim studijskim programima. Nastava se odvijala prema sljedećim preddiplomskim, diplomskim i integriranim preddiplomskim i diplomskim sveučilišnim studijskim programima:

| PREDDIPLOMSKI SVEUČILIŠNI STUDIJI (3 GODINE, 180 ECTS BODOVA) | |
|---|--|
| MATEMATIČKI ODSJEK | preddiplomski sveučilišni studij Matematika |
| | preddiplomski sveučilišni studij Matematika; smjer: nastavnički |
| KEMIJSKI ODSJEK | preddiplomski sveučilišni studij Kemija |
| BIOLOŠKI ODSJEK | preddiplomski sveučilišni studij Biologija |
| | preddiplomski sveučilišni studij Molekularna biologija |
| | preddiplomski sveučilišni studij Znanosti o okolišu* |
| GEOLOŠKI ODSJEK | preddiplomski sveučilišni studij Geologija |
| GEOGRAFSKI ODSJEK | preddiplomski sveučilišni studij Geografija; smjer: istraživački |
| GEOFIZIČKI ODSJEK | preddiplomski sveučilišni studij Geofizika** |
| * zajednički studij Biološkog, Geološkog i Geografskog odsjeka | |
| ** treća godina studija nastavlja se na prve dvije godine integriranog preddiplomskog i diplomskog sveučilišnog studija Fizika; smjer: istraživački | |
| DIPLOMSKI SVEUČILIŠNI STUDIJI (2 godine, 120 ECTS) | |
| MATEMATIČKI ODSJEK | diplomski sveučilišni studij Teorijska matematika |
| | diplomski sveučilišni studij Primijenjena matematika |
| | diplomski sveučilišni studij Matematička statistika |
| | diplomski sveučilišni studij Računarstvo i matematika |
| | diplomski sveučilišni studij Financijska i poslovna matematika |
| | diplomski sveučilišni studij Matematika; smjer: nastavnički |
| | diplomski sveučilišni studij Matematika i informatika; smjer: nastavnički |
| GEOFIZIČKI ODSJEK | diplomski sveučilišni studij Fizika - geofizika; smjerovi: Seizmologija i fizika čvrste Zemlje, Meteorologija i fizička oceanografija |
| KEMIJSKI ODSJEK | diplomski sveučilišni studij Kemija; smjer: istraživački |
| | diplomski sveučilišni studij Kemija; smjer: nastavnički |
| BIOLOŠKI ODSJEK | diplomski sveučilišni studij Eksperimentalna biologija |
| | diplomski sveučilišni studij Ekologija i zaštita prirode |
| | diplomski sveučilišni studij Molekularna biologija |
| | diplomski sveučilišni studij Znanosti o okolišu* |
| GEOLOŠKI ODSJEK | diplomski sveučilišni studij Geologija |
| | diplomski sveučilišni studij Geologija zaštite okoliša |
| GEOGRAFSKI ODSJEK | diplomski sveučilišni studij Geografija; smjer: nastavnički |
| | diplomski sveučilišni studij Geografija; smjerovi: Fizička geografija s geoekologijom, Prostorno planiranje i regionalni razvoj, Baština i turizam, Geografski informacijski sustavi |
| INTEGRIRANI PREDDIPLOMSKI I DIPLOMSKI SVEUČILIŠNI STUDIJI (5 godina, 300 ECTS) | |
| MATEMATIČKI ODSJEK | integrirani preddiplomski i diplomski sveučilišni studij Matematika i fizika; smjer: nastavnički |

| | |
|---|--|
| FIZIČKI ODSJEK | integrirani preddiplomski i diplomski sveučilišni studij Fizika; smjer: nastavnički |
| | integrirani preddiplomski i diplomski sveučilišni studij Fizika i informatika; smjer: nastavnički |
| | integrirani preddiplomski i diplomski sveučilišni studij Fizika i tehnika; smjer: nastavnički |
| | integrirani preddiplomski i diplomski sveučilišni studij Fizika i kemija; smjer: nastavnički* |
| | integrirani preddiplomski i diplomski sveučilišni studij Fizika; smjer: istraživački |
| BIOLOŠKI ODSJEK | integrirani preddiplomski i diplomski sveučilišni studij Biologija i kemija; smjer: nastavnički* |
| GEOGRAFSKI ODSJEK | integrirani preddiplomski i diplomski sveučilišni studij Geografija i povijest; smjer: nastavnički** |
| * zajednički studij Fizičkog i Kemijskog odsjeka, odnosno Biološkog i Kemijskog odsjeka | |
| ** zajednički studij s Filozofskim fakultetom | |

Na navedene je sveučilišne studijske programe u akademskoj godini **2014./2015.** bilo upisano **3 975** studenata, a **909** studenata ih je završilo, i to kako slijedi po odsjecima i studijskim programima:

PREDDIPLOMSKI STUDIJI - BROJ STUDENATA PO GODINAMA (2014./2015.)

| ODSJEK-SMJER-STUDIJ | | GODINA | | | |
|---------------------------|--|------------|------------|------------|--------------------|
| | | I | II | III | ZAVRŠILI STUDIJ |
| MATEMATIČKI ODSJEK | preddiplomski sveučilišni studij Matematika | 287 | 168 | 135 | 118 |
| | preddiplomski sveučilišni studij Matematika; smjer: nastavnički | 144 | 152 | 138 | 72 |
| KEMIJSKI ODSJEK | preddiplomski sveučilišni studij Kemija | 123 | 81 | 63 | 40 |
| BIOLOŠKI ODSJEK | preddiplomski sveučilišni studij Biologija | 40 | 38 | 44 | 36 |
| | preddiplomski sveučilišni studij Molekularna biologija | 37 | 38 | 45 | 37 |
| | preddiplomski sveučilišni studij Znanosti o okolišu | 33 | 43 | 33 | 25 |
| GEOLOŠKI ODSJEK | preddiplomski sveučilišni studij Geologija | 49 | 45 | 47 | 32 |
| GEOGRAFSKI ODSJEK | preddiplomski sveučilišni studij Geografija; smjer: istraživački | 41 | 52 | 47 | 43 |
| GEOFIZIČKI ODSJEK | preddiplomski sveučilišni studij Geofizika* | 21 | 0 | 10 | 6 |
| UKUPNO STUDENATA | | 775 | 617 | 562 | 409 |

* Od akad. godine 2014./2015. upis u prvu godinu preddiplomskog sveučilišnog studija Geofizika odvojen je od upisa u prvu godinu integriranog preddiplomskog i diplomskog sveučilišnog studija Fizika; smjer: istraživački.

INTEGRIRANI PREDDIPLOMSKI I DIPLOMSKI SVEUČILIŠNI STUDIJI - BROJ STUDENATA PO GODINAMA (2014./2015.)

| ODSJEK | SMJER-STUDIJ | | | | | |
|---------------------------|--|----|-----|----|----|-------------|
| MATEMATIČKI ODSJEK | integrirani preddiplomski i diplomski sveučilišni studij Matematika i fizika; smjer: nastavnički | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| broj studenata | 30 | 15 | 22 | 9 | 10 | 7 |

| ODSJEK | SMJER-STUDIJ | | | | | |
|--|--|-----|-----|-----|-----|-------------|
| FIZIČKI ODSJEK | integrirani preddiplomski i diplomski sveučilišni studij Fizika; smjer: nastavnički | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| broj studenata | 30 | 16 | 23 | 20 | 9 | 6 |
| | integrirani preddiplomski i diplomski sveučilišni studij Fizika i informatika; smjer: nastavnički | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| broj studenata | 34 | 22 | 9 | 16 | 15 | 4 |
| | integrirani preddiplomski i diplomski sveučilišni studij Fizika i tehnika; smjer: nastavnički | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| broj studenata | 6 | 6 | 2 | 6 | 6 | 3 |
| | integrirani preddiplomski i diplomski sveučilišni studij Fizika i kemija; smjer: nastavnički | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| broj studenata | 6 | 4 | 5 | 7 | 2 | 0 |
| | integrirani preddiplomski i diplomski sveučilišni studij Fizika; smjer: istraživački | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| broj studenata | 68 | 77 | 43 | 35 | 19 | 13 |
| BIOLOŠKI ODSJEK | integrirani preddiplomski i diplomski sveučilišni studij Biologija i kemija; smjer: nastavnički | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| broj studenata | 36 | 45 | 22 | 21 | 37 | 22 |
| GEOGRAFSKI ODSJEK | integrirani preddiplomski i diplomski sveučilišni studij Geografija i povijest; smjer: nastavnički | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| broj studenata | 13 | 7 | 11 | 7 | 14 | 9 |
| UKUPAN BROJ STUDENATA NA INTEGRIRANIM PREDDIPLOMSKIM I DIPLOMSKIM STUDIJIMA | | | | | | |
| godina studija | I | II | III | IV | V | DIPLOMIRALI |
| UKUPNO | 223 | 192 | 137 | 121 | 112 | 64 |

**DIPLOMSKI SVEUČILIŠNI STUDIJI - BROJ STUDENATA PO GODINAMA
(2014./2015.)**

| ODSJEK-SMJER-STUDIJ | | GODINA | | |
|---------------------------|---|--------|----|-------------|
| | | I | II | DIPLOMIRALI |
| MATEMATIČKI ODSJEK | diplomski sveučilišni studij Teorijska matematika | 24 | 19 | 16 |
| | diplomski sveučilišni studij Primijenjena matematika | 37 | 20 | 11 |
| | diplomski sveučilišni studij Matematička statistika | 36 | 35 | 27 |
| | diplomski sveučilišni studij Računarstvo i matematika | 49 | 42 | 22 |
| | diplomski sveučilišni studij Financijska i poslovna matematika | 32 | 34 | 23 |
| | diplomski sveučilišni studij Matematika; smjer: nastavnički | 87 | 66 | 55 |
| | diplomski sveučilišni studij Matematika i informatika; smjer: nastavnički | 22 | 14 | 9 |
| KEMIJSKI ODSJEK | diplomski sveučilišni studij Kemija; smjer: istraživački | 54 | 68 | 44 |
| | diplomski sveučilišni studij Kemija; smjer: nastavnički | 2 | 2 | 1 |

| ODSJEK-SMJER-STUDIJ | | GODINA | | |
|--------------------------|--|------------|------------|-------------|
| | | I | II | DIPLOMIRALI |
| BIOLOŠKI ODSJEK | diplomski sveučilišni studij Eksperimentalna biologija | 39 | 64 | 32 |
| | diplomski sveučilišni studij Ekologija i zaštita prirode | 21 | 28 | 18 |
| | diplomski sveučilišni studij Molekularna biologija | 48 | 60 | 35 |
| | diplomski sveučilišni studij Znanosti o okolišu | 15 | 31 | 17 |
| GEOLOŠKI ODSJEK | diplomski sveučilišni studij Geologija | 17 | 21 | 17 |
| | diplomski sveučilišni studij Geologija zaštite okoliša | 14 | 11 | 10 |
| GEOGRAFSKI ODSJEK | diplomski sveučilišni studij Geografija; smjer: nastavnički | 13 | 25 | 18 |
| | diplomski sveučilišni studij Geografija; smjerovi: Fizička geografija s geoekologijom, Prostorno planiranje i regionalni razvoj, Baština i turizam, Geografski informacijski sustavi | 42 | 105 | 63 |
| GEOFIZIČKI ODSJEK | diplomski sveučilišni studij Fizika - geofizika; smjerovi: Seizmologija i fizika čvrste Zemlje, Meteorologija i fizička oceanografija | 15 | 24 | 18 |
| UKUPNO STUDENATA | | 567 | 669 | 436 |

U akad. godini 2014./2015. Na PMF-u je studiralo **189** apsolvenata **dodiplomskih studijskih programa**, a **17** ih je **diplomiralo**.

DODIPLOMSKI STUDIJI - APSOLVENTI I STUDENTI S POLOŽENIM DIPLOMSKIM ISPITOM (2014./2015.)

| ODSJEK-SMJER-STUDIJ | | APSOLVENTI | DIPLOMIRALI |
|--|---|------------|-----------------|
| MATEMATIČKI ODSJEK | Diplomirani inženjer matematike, usmjerenje: Teorijska matematika | 33 | 0 |
| | Diplomirani inženjer matematike, usmjerenje: Primijenjena matematika | | 0 |
| | Diplomirani inženjer matematike, usmjerenje: Matematička statistika i računarstvo | | 0 |
| | Diplomirani inženjer matematike, usmjerenje: Računarstvo | | 1 |
| | Diplomirani inženjer matematike, usmjerenje: Financijska i poslovna matematika | | 0 |
| | Profesor matematike | | 0 |
| | Profesor matematike i informatike | | 0 |
| | Profesor matematike i fizike | | 0 |
| | FIZIČKI ODSJEK | | Profesor fizike |
| Profesor fizike i informatike | | 1 | |
| Profesor fizike i tehnike s informatikom | | 0 | |
| Diplomirani inženjer fizike | | 3 | |
| Profesor fizike i kemije | | 0 | |
| GEOFIZIČKI ODSJEK | Diplomirani inženjer fizike, usmjerenje Geofizika | 0 | 0 |

| ODSJEK-SMJER-STUDIJ | | APSOLVENTI | DIPLOMIRALI |
|-------------------------|--|------------|-------------|
| KEMIJSKI ODSJEK | Diplomirani inženjer kemije | 13 | 0 |
| | Profesor kemije | | 1 |
| BIOLOŠKI ODSJEK | Profesor biologije | 70 | 3 |
| | Diplomirani inženjer biologije, usmjerenje: Ekologija | | 0 |
| | Diplomirani inženjer biologije, usmjerenje: Molekularna biologija | | 1 |
| | Profesor biologije i kemije | | 1 |
| GEOLOŠKI ODSJEK | Diplomirani inženjer geologije, usmjerenje: Geologija i paleontologija | 29 | 1 |
| | Diplomirani inženjer geologije, usmjerenje: Mineralogija i petrologija | | 0 |
| | Profesor geologije i geografije | | 2 |
| GEOGRAFSKI ODSJEK | Profesor geografije | 24 | 1 |
| | Profesor geografije i povijesti | | 1 |
| UKUPNO STUDENATA | | 189 | 17 |

U akad. godini 2014./2015. na Prirodoslovno-matematičkom fakultetu odvijala se i nastava na doktorskim studijima te na jednom specijalističkom poslijediplomskom studiju. Na 1., 2., odnosno 3. godinu **doktorskog studija** bilo je upisano ukupno **687 studenata**, dok su na specijalističkom studiju bila upisana **24 studenta**.

UKUPAN BROJ STUDENATA UPISANIH NA DOKTORSKE STUDIJE PMF-a (2014./2015.)

| ODSJEK - STUDIJ | BROJ STUDENATA |
|---|----------------|
| MATEMATIČKI ODSJEK Zajednički sveučilišni poslijediplomski doktorski studij Matematika | 64 |
| FIZIČKI I GEOFIZIČKI ODSJEK Poslijediplomski sveučilišni studij Fizika; smjerovi: Fizika elementarnih čestica, Nuklearna fizika, Fizika kondenzirane materije, Atomska i molekularna fizika i astrofizika, Biofizika, Medicinska fizika, Geofizika | 176 |
| KEMIJSKI ODSJEK Poslijediplomski sveučilišni studij Kemija | 136 |
| BIOLOŠKI ODSJEK Poslijediplomski sveučilišni studij Biologija | 220 |
| GEOLOŠKI ODSJEK Poslijediplomski sveučilišni studij Geologija | 25 |
| GEOLOŠKI ODSJEK Poslijediplomski sveučilišni Interdisciplinarni doktorski studij iz oceanologije | 32 |
| GEOGRAFSKI ODSJEK Poslijediplomski sveučilišni studij Geografija | 25 |
| GEOGRAFSKI ODSJEK poslijediplomski sveučilišni studij Doktorski studij Geografije: prostor, regija, okoliš, pejzaž | 9 |
| UKUPNO | 687 |

**BROJ STUDENATA UPISAN NA POSLIJEDIPLOMSKI SPECIJALISTIČKI
STUDIJ - STUDIJ AKTUARSKE MATEMATIKE (2014./2015.)**

| ODSJEK | BROJ STUDENATA | ZAVRŠILI STUDIJ |
|--------------------|----------------|-----------------|
| MATEMATIČKI ODSJEK | 24 | 2 |

U akademskoj godini 2014./2015. **129 studenata** obranilo je svoju **doktorsku disertaciju**. Sve disertacije obranjene su u okviru dokorskog studija.

BROJ OBRANJENIH DOKTORATA (2014./2015.)

| ODSJEK - STUDIJ | BROJ DOKTORATA |
|---|----------------|
| MATEMATIČKI ODSJEK zajednički sveučilišni poslijediplomski doktorski studij Matematika | 14 |
| FIZIČKI I GEOFIZIČKI ODSJEK poslijediplomski sveučilišni studij Fizika; smjerovi: Fizika elementarnih čestica, Nuklearna fizika, Fizika kondenzirane materije, Atomska i molekularna fizika i astrofizika, Biofizika, Medicinska fizika, Geofizika | 29 |
| KEMIJSKI ODSJEK poslijediplomski sveučilišni studij Kemija | 32 |
| BIOLOŠKI ODSJEK poslijediplomski sveučilišni studij Biologija | 38 |
| GEOLOŠKI ODSJEK poslijediplomski sveučilišni studij Geologija | 2 |
| GEOLOŠKI ODSJEK poslijediplomski sveučilišni Interdisciplinarni doktorski studij iz oceanologije | 10 |
| GEOGRAFSKI ODSJEK poslijediplomski sveučilišni studij Geografija | 4 |
| UKUPNO | 129 |

U akademskoj godini 2014./2015. na Sveučilištu u Zagrebu nastavljeno je financiranje nastavne djelatnosti na preddiplomskoj i diplomskoj razini putem Ugovora s Ministarstvom znanosti, obrazovanja i sporta o punoj subvenciji redovitih studenata u troškovima studija u akad. godinama 2012./2013., 2013./2014. i 2014./2015. (tzv. Programskog ugovora). U svrhu ostvarenja Programskim ugovorom postavljenih ciljeva:

Cilj 1. Stjecanje kvalifikacija kroz kraće vremensko razdoblje studiranja, a u skladu s trajanjem predviđenim studijskim programom

Cilj 2. Olakšavanje pristupa studiju podzastupljenim skupinama studenata

Cilj 3. Povećanje broja osoba sa završenim studijem u STEM području

Cilj 4. Studijski programi utemeljeni na principu ishoda učenja

Cilj 5. Povećanje utjecaja studentskih evaluacija nastavnika i nastave,

na PMF-u su provedene brojne aktivnosti popularizacije prirodoslovlja i matematike namijenjene učenicima osnovnih i srednjih škola te općoj javnosti, programi cjeloživotnog obrazovanja učitelja i nastavnika biologije, fizike, geografije, informatike, kemije i matematike, radionice unapređivanja nastavničkih kompetencija nastavnog osoblja PMF-a te tribine za studente.

**ZNANSTVENA DJELATNOST NA
PRIRODOSLOVNO-MATEMATIČKOM FAKULTETU**

Znanstveni projekti aktivni u akad. god. 2014./2015. – prema evidenciji u službama PMF-a

Znanstvena djelatnost na Prirodoslovno-matematičkom fakultetu se u akad. godini 2014./2015. odvijala u okviru **66** projekata financiranih iz nacionalnih izvora i **27** projekata financiranih iz međunarodnih izvora. Stručna djelatnost odvijala se u okviru **35** stručnih projekata.

Znanstveni i razvojni projekti financirani iz domaćih izvora

| | Naziv projekta | Voditelj projekta | Izvor | Odsjek |
|----|---|---------------------------|-------|--------|
| 1 | Akrobacije molekularnih kristala za novu generaciju aktuatora | Željko Skoko | HRZZ | F |
| 2 | Algebraic and combinatorial methods in vertex algebra theory | Dražen Adamović | HRZZ | M |
| 3 | Automorphic forms, representations, and applications | Goran Muić | HRZZ | M |
| 4 | Bilateralna suradnja Hrvatske i Austrije: Čudni atraktori i inverzni limesi | Sonja Štimac | MZOS | M |
| 5 | Bilateralna suradnja Hrvatske i Crne Gore: Biološko i ekotoksikološko istraživanje obalnog područja Hrvatske i Crne Gore | Domagoj Đikić | MZOS | B |
| 6 | Bilateralna suradnja Hrvatske i Crne Gore: Višeskalne metode i varijacijski računi | Nenad Antičić | MZOS | M |
| 7 | Bilateralna suradnja Hrvatske i Francuske: Cogito | Andrej Dujella | MZOS | M |
| 8 | Bilateralna suradnja Hrvatske i Francuske: Cogito | Pavle Pandžić | MZOS | M |
| 9 | Bilateralna suradnja Hrvatske i Francuske: Cogito: Injektiranje, detekcija i manipulacija spina u dvodimenzionalnom elektronskom plinu u oksidnim heterostrukturama | Mario Baselić | MZOS | F |
| 10 | Bilateralna suradnja Hrvatske i Kine: Istraživačka suradnja na ekološkim tehnologijama monitoringa ekosustava svjetske prirodne baštine | Anđelka Plenković - Moraj | MZOS | B |
| 11 | Bilateralna suradnja Hrvatske i Kine: Univerzalni modeli strukture egzotičnih atomskih jezgara | Tamara Nikšić | MZOS | F |
| 12 | Bilateralna suradnja Hrvatske i Njemačke: Mikroskopski opis procesa slabe interakcije relevantnih za nukleosintezu teških elemenata | Tomislav Marketin | MZOS | F |
| 13 | Bilateralna suradnja Hrvatske i Njemačke: Nerazmjerna upravljivost parcijalnih diferencijalnih jednačbi s lokaliziranim upravljanjem | Ivica Nakić | MZOS | M |

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|----|--|-----------------------------|------|----|
| 14 | Bilateralna suradnja Hrvatske i Njemačke: Phenolic derivatives in physcomitrella patensHedw.: profile, hormonal regulation and role in biotic stress | Rusak Grdana | MZOS | B |
| 15 | Bilateralna suradnja Hrvatske i Njemačke: The role of salicylic acid and auxins in defence responses of Brassica crop plants | Rusak Grdana | MZOS | B |
| 16 | Bilateralna suradnja Hrvatske i Njemačke: Uloga mehanizama popravka pogreške pri translaciji u ostvarivanju funkcionalnog proteoma bakterije Escherichia coli | Ita Gruić Sovulj | MZOS | K |
| 17 | Bilateralna suradnja Hrvatske i SAD-a: Ocjene greške aproksimacije metodom konačnih elemenata korištenjem tehnike pomoćnih potprostora | Luka Grubišić | MZOS | M |
| 18 | Bilateralna suradnja Hrvatske i Slovenije: Fizikalna istraživanja aktivnih i paleookolišni procesa u jamama Dinarskog krša | Dalibor Paar | MZOS | F |
| 19 | Bilateralna suradnja Hrvatske i Slovenije: Meka nanotehnologija: svojstva i primjena elektrolita | Davor Kovačević | MZOS | K |
| 20 | Bio-tracing Adriatic water masses (BIOTA) | Zrinka Ljubešić | HRZZ | B |
| 21 | Climate of the Adriatic Region in its global context (CARE) | Mirko Orlić | HRZZ | GF |
| 22 | Croatian Rural Areas: Scenario-based Approach to Discuss Planning and Development | Aleksandar Lukić | HRZZ | GG |
| 23 | Diophantine m-tuples, elliptic curves, Thue and indeks form equations | Andrej Dujella | HRZZ | M |
| 24 | Diracovi operatori i teorija reprezentacija | Pavle Pandžić | HRZZ | M |
| 25 | Diversity and interactions of chestnut- chestnut blight fungus and biocontrol agent- virus: implications on chestnut recovery | Mirna Ćurković Perica | HRZZ | B |
| 26 | Električno nabijanje međupovršina na granici čvrsta faza/vodena otopina elektrolita | Tajana Preočanin | HRZZ | K |
| 27 | Engineering crystalline materials using metal complexes and noncovalent interactions | Marijana Đaković | HRZZ | K |
| 28 | Epigenetic regulation of IgC glycosylation | Vlatka Zoldoš | HRZZ | K |
| 29 | Esencijalni metalni ioni u proteinima iz Heliobacter pylori i modelnim spojevima - struktura i funkcija/svojstvo | Dubravka Matković-Čalogović | HRZZ | K |
| 30 | Fitotoksičnost nanosrebra: mehanizmi akcije i interakcije u stanicama duhana | Biljana Balen | HRZZ | B |

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|----|--|--|---|----|
| 31 | Flora Croatica baza podataka | Toni Nikolić | DZZP | B |
| 32 | Genska identifikacija hrvatskih autohtonih vrsta | Damjan Franjević | Zaklada Adris | B |
| 33 | Geometrijska, ergodička i topološka analiza niskodimenzionalnih dinamičkih sustava | Siniša Slijepčević | HRZZ | M |
| 34 | Gravity and parity violation | Maro Cvitan | HRZZ | F |
| 35 | High precision measurements of hadronic system properties and low energy QCD | Damir Bosnar | HRZZ | F |
| 36 | Istraživanje razvoja, diferencijacije i evolucije životinja kroz genomiku bazalnih metazoa | Kristian Vlahoviček | HRZZ | B |
| 37 | Komparativna i funkcionalna genomika fitoplazmi-emergentnih biljnih patogena u Hrvatskoj | Martina Šeruga Musić | HRZZ | B |
| 38 | Kredni geodinamski dokazi dokazi u području Dinarida i Panonskog bazena | Dražen Balen | HRZZ | GL |
| 39 | Local Probe and Mesoscopic Dynamics of New Phases in Strongly Correlated Electron Systems | Miroslav Požek | HRZZ | F |
| 40 | Mathematical modeling and numerical simulations of processes in thin or porous domains | Zlatko Drmač | HRZZ | M |
| 41 | Mathematical modelling, analysis and computing with applications to complex mechanical systems | Eduard Marušić-Paloka | HRZZ | M |
| 42 | Matrične faktorizacije i blok dijagonalizacijski algoritmi | Vjeran Hari | HRZZ | M |
| 43 | MIAU Matter and Interactions at Accelerators and in Universe | Krešimir Kumerički | HRZZ | F |
| 44 | Multiferoični i magnetoelektrični sustavi | Damir Pajić | HRZZ | F |
| 45 | Multifunctional complex metal tellurates: structure-property relationship study | Nositelj: IRB voditelj na PMF-u: Željko Skoko | UKF | F |
| 46 | Multimetrički sustav evaluacije krenobiocenoza | Sanja Gottstein | Fond za zaštitu okoliša i energetske učinkovitost | B |
| 47 | Non-canonical roles of aminoacyl-Trna SYNTHETASES | Ita Gruić Sovulj | HRZZ | B |
| 48 | Organic molecules in condensed phase: interactions and modeling | Hrvoj Vančik | HRZZ | K |
| 49 | Prirodno stanište klinički značajnih Acinetobacter baumannii | Jasna Hrenović | HRZZ | B |

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|----|---|--|-------|----|
| 50 | Proizvodnja specifičnih antitijela IgY peradi kao novog i jeftinijeg dijagnostičkog postupka za detekciju neoplastičnih oboljenja u pasa | Dubravko Pavoković | BICRO | B |
| 51 | Prostorni utjecaj postindustrijske i postsocijalističke prenamjene brownfield zemljišta na urbani razvoj. Komparativna analiza Beča i Zagreba | Jakovčić Martina | MZOS | GG |
| 52 | Pseudo-magnetic forces and fields for atoms and photons | Hrvoje Buljan | UKF | F |
| 53 | Razvoj supramolekulskih receptora kationa i aniona | Vladislav Tomišić | HRZZ | K |
| 54 | Sinteza, strukturna analiza i biološka evaulacija peptidomimetika i glikokonjugata | Srđanka Tomić-Pisarović | HRZZ | K |
| 55 | Stochastic Methods in Analytical and Applied Problems | Zoran Vondraček | HRZZ | M |
| 56 | Study of the momentum correlations in high energy collisions using event structure criteria and ALICE detector at LHC | Mirko Planinić | UKF | F |
| 57 | Sturktura i dinamika egzotičnih femto-sustava | Nils Paar | HRZZ | F |
| 58 | The effects of pollution on rapid evolution and ecological change in the Mediterranean mussel | voditelj: Patrik Nosil suvoditelj: Goran Klobučar | UKF | B |
| 59 | The orgin of amino acid specificity in editing class I aminoacyl-tRNA synthetases and cellučar requirements for proofreading | Ita Gruić Sovulj | UKF | K |
| 60 | The role of microtubule pivoting in formaion of complex structures such as microtubule bundles and mitotic spindles | Nenad Pavin | UKF | F |
| 61 | Tkivni inženjering koštanih presađaka upotrebom matičnih stanica i bioaktivnog nosača | Inga Marijanović | BICRO | B |
| 62 | Transport, magnetic and thermodynamic properties of selected inorganic and organic materials | Ivan Kokanović | HRZZ | F |
| 63 | Velebit od vrha do dna - multidisciplinarno istraživanje seizmoloških značajki i tektonike područja Velebita | Marijan Herak | HRZZ | GF |
| 64 | Weak convergence methods and applications | Nenad Antić | HRZZ | M |
| 65 | Zdrugorstvo i regionalni razvoj: komparativna analiza Francuske i Hrvatske | Aleksandar Lukić | MZOS | GG |
| 66 | Zvijezde i prašina: sturktura, sastav i interakcija | Krešimir Pavlovski | HRZZ | F |

Znanstveni projekti financirani iz međunarodnih izvora

| | Naziv projekta | Voditelj projekta | Izvor | Odsjek |
|----|--|--|--|--------|
| 1 | A stochastic model eye lens growth with implications for cortical cataract formation | Hrvoje Šikić | FP7 Marie Curie/ Research Executive Agency | M |
| 2 | A stochastic model of eye lens growth with implications for cortical cataract formation - MoLeGro | Hrvoje Šikić | FP7 Marie Curie/ Research Executive Agency | M |
| 3 | AGN Feedback | Varnesa Smolčić | FP7 Marie Curie/ Research Executive Agency | F |
| 4 | Alge kremenjašice - deskriptor ekološkog stanja Plitvičkih jezera RH | Petar Žutinić | Europski socijalni fond | B |
| 5 | Analysis Software for Digitized Positron Annihilation Setups for Slow Positron Beam System | Damir Bosnar | International Atomic Energy Agency | F |
| 6 | Biološka aktivnost fitokemikalija biljne vrste Centaurea ragusina L. - BioFitoCen | Valerija Vujčić | Europski socijalni fond | B |
| 7 | Constraining Stellar Mass and Supermassive Black Hole Growth through Cosmic Times | Varnesa Smolčić | European Research Council | F |
| 8 | Diligent search for chemical bio-sources: Solvent-free homogenous and heterogenous oxidation processes catalyzed by polyoxometalates (PomFree) | Jana Pisk | NEWFELPRO | K |
| 9 | Dynamics of Henon and Lozi maps (HeLoMa) | Sonja Štimac | NEWFELPRO | M |
| 10 | Energy density functionals description of fission (FISSION) | Jie Zhao (mentor: Tamara Nikšić) | NEWFELPRO | F |
| 11 | Graphene based nonlinear quantum optics (GRANQO) | Marinko Jablan | NEWFELPRO | F |
| 12 | HOLISTIC_DNC_FB5 | Marijan Herak | Dubrovačko neretvanska županija | GF |
| 13 | IBD-BIOM - Diagnostic and prognostic biomarkers for inflammatory bowel disease | Vlatka Zoldoš | Europska komisija | B |
| 14 | Improvements in the Harmonized Seismic Hazard Maps for the Western Balkan Countries | Snežana Markušić | NATO hazard II | GF |
| 15 | Lišajevi kao bioindikator zagađenja u okolišu - OkoLiš | Saša Likić | Europski socijalni fond | B |
| 16 | Micro-local defect functionals and applications (MiLDeFA) | Darko Mitrović (mentor: Nenad Antonić) | NEWFELPRO | M |

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|----|--|--|---|----|
| 17 | Network for the exchange and transfer of innovative knowledge between European winegrowing regions to increase the productivity and the sustainability of the sector | Dijana Škorić | Institut Francais de la Vigne et du Vin | B |
| 18 | Next generation nuclear energy density functionals (NextG-DFT) | Vaia Prassa (mentor: Dario Vretenar) | NEWFELPRO | F |
| 19 | Projekt Kinetochore oscillation in mitotic metaphase | Nenad Pavin | Max Planck Institute of Molecular Cell Biology and Genetics | F |
| 20 | Quantum chromodynamics in accelerated frames (AQCD) | Sanjin Benić | NEWFELPRO | F |
| 21 | Razvoj nove metodologije za kontrolu procesa pripreme lijekova - Met4Pharm | Predrag Novak | Europski socijalni fond | K |
| 22 | Razvoj studija ekologije, računarstva i matematike uz primjenu Hrvatskoga kvalifikacijskoga okvira - EkoRaMa | Anđelka Plenković - Moraj i Aleksandra Čizmešija | Europski socijalni fond | B |
| 23 | Reference database for beta-delayed neutron emission evaluations | Tomislav Marketin | International Atomic Energy Agency | F |
| 24 | Relativistic Nuclear Energy Density Functional for Astrophysical Applications (AstroEDF) | Nils Paar | NEWFELPRO | F |
| 25 | Resilience of artificial gravel beach and implication for coastal management (RAGBICOM) | Kristina Pikelj | NEWFELPRO | GL |
| 26 | Specific Heat Capacity and Anisotropic Magnetic Properties of High Temperature Superconductors: YBa ₂ Cu ₃ O _{6+x} and Tl ₂ Ba ₂ CuO _{6+x} single crystals (CapMagHTS) | Ivan Kokanović | NEWFELPRO | F |
| 27 | Utjecan nanočestica srebra na proteom, sekretom i interaktom stanica duhana - NANO-PSI | Petra Peharec Štefanić | Europski socijalni fond | B |

Stručni projekti

| | Naziv projekta | Voditelj projekta | Odsjek |
|---|--|-----------------------------|--------|
| 1 | Biološka analiza obraštaja na platformama Ivana A, Ika A, Marica, Katarina, Annamaria A, i Ika B | Tatjana Bakran Petricioli | B |
| 2 | Biološka analiza obraštanja na platformi Izabela (kvantitativna i kvantitativna analiza) i stručno mišljenje | Tatjana Bakran - Petricioli | B |

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|----|---|---------------------------|----|
| 3 | Biološka ispitivanja nadzemnih voda za HE Varaždin, HE Čakovec, i HE Dubrava u 2015. godini | Perica Mustafić | B |
| 4 | Instrumentalno seizmičko opažanje na lokaciji brane Ričice u 2014. godini | Ivo Allegretti | GF |
| 5 | Instrumentalno seizmičko opažanje na lokaciji brane Ričice u 2015. godini | Ivo Allegretti | GF |
| 6 | Invasive chestnut diseases - epidemiological research and management options | Mirna Ćurković Perica | B |
| 7 | Inventarizacija i uloga životinjske komponente u procesu taloženja sedre u Nacionalnom Parku Krka | Zlatko Mihaljević | B |
| 8 | Istraživački monitoring u stajaćicama i u vodama na područjima obuhvaćenima Projektima navodnjavanja i gospodarenja poljoprivrenim zemljištima i vodama | Perica Mustafić | B |
| 9 | Istraživanje i optimizacija ihtiocenoze u svrhu smanjenja trofije akumulacije Butoniga - 2015. | Perica Mustafić | B |
| 10 | Istraživanje i optimizacija ihtiocenoze u svrhu smanjenja trofije akumulacije Butoniga za 2014. godinu | Perica Mustafić | B |
| 11 | Izvođenje dijela projektnog zadatka <i>in vivo</i> studije | Domagoj Đikić | B |
| 12 | Izvođenje programa Monitoringa populacije invazivnog slatkovodnog obrubnjaka <i>Craspeda sowerbii</i> u NP "Krka" | Renata Matonićkin Kepčija | B |
| 13 | LC analize | Nives Galić | K |
| 14 | Monitoring koralja u nacionalnom parku Mljet | Petar Kružić | B |
| 15 | NATURA staništa u Botaničkom vrtu PMF-a: Rekonstrukcija prostora za uzgoj biljaka močvarnih i vodenih staništa | Sanja Kovačić | B |
| 16 | Obavljanje usluga instrumentalnih seizmoloških istraživanja na bloku B-18 u povijesnoj jezgri Dubrovnika | Ivo Allegretti | GF |
| 17 | Obavljanje usluga instrumentalnih seizmoloških istraživanja na bloku B-18 u povijesnoj jezgri Dubrovnika | Marijan Herak | GF |
| 18 | Ocjena biocidnih pripravaka za Ministarstvo zdravlja RH | Domagoj Đikić | B |
| 19 | Praćenje seizmičke aktivnosti u 2014. godini | Ivo Allegretti | GF |
| 20 | Praćenje seizmičke aktivnosti u 2015. godini | Ivo Allegretti | GF |

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| 21 | Praćenje stanja okoliša - seizmološki monitoring | Ivo Allegretti | GF |
| 22 | Praćenje stanja u slatkovodnom ribarstvu u 2014. godini | Perica Mustafić | B |
| 23 | Praćenje stanja u slatkovodnom ribarstvu u 2015. godini | Perica Mustafić | B |
| 24 | Pretraživanje kristalnih formi djelatnih tvari | Dominik Cinčić | B |
| 25 | Provođenje monitoringa zaštićenih ugroženih vrsta i stanišnih tipova na području Dravakereštur II | Milorad Mrakovčić | B |
| 26 | Revizija ribolovno-gospodarske osnove | Davor Zanella | B |
| 27 | Revizija ribolovno-gospodarske osnove | Milorad Mrakovčić | B |
| 28 | Sinteza i fizikalno kemijska karakterizacija derivata aktivnih tvari | Vladislav Tomišić | B |
| 29 | Terensko istraživanje rasprostranjenosti šumske vegetacije Nacionalnog parka Krka | Sven Jelaska | B |
| 30 | Usluga uzorkovanja i ispitivanja riba u kopnenim i površinskim vodama u 2014. godini | Milorad Mrakovčić | B |
| 31 | Utjecaj okolišnih čimbenika na biocenoze jezera i sedrene barijere u Parku prirode Papuk | Maria Špoljar | B |
| 32 | Utjecaj temperaturnih promjena na naselja koralja u koraligesnoj zajednici na strmcima u Nacionalnom Parku Kornati | Petar Kružić | B |
| 33 | Utjecaj temperaturnih promjena na naselja koralja u koraligenskoj zajednici na strmcima u NP Kornati | Petar Kružić | B |
| 34 | Uzrokovanje i ispitivanje riba u kopnenim površinskim vodama u 2014. godini | Milorad Mrakovčić | B |
| 35 | Uzrokovanje odnosa između antropogenog opterećenja i modula opće degradacije prema makrozobenosu u vrlo velikim rijekama | Zlatko Mihaljević | B |

ZNANSTVENA PRODUKTIVNOST DJELATNIKA PMF-a u 2015. GODINI
(prema podacima u bazi CROSB)

| VRSTA PUBLIKACIJE | PMF | | | | | | | |
|--|--------------|-----------------|----------------|-------------------|-------------------|-----------------|-----------------|--------------------|
| | | Biološki odsjek | Fizički odsjek | Geofizički odsjek | Geografski odsjek | Geološki odsjek | Kemijski odsjek | Matematički odsjek |
| Izvorni pregledni i znanstveni radovi u CC časopisima | 328 * | 71 | 128 | 15 | 7 | 7 | 51 | 55 |
| Znanstveni radovi u drugim časopisima | 72 | 30 | 3 | 5 | 10 | 8 | 2 | 14 |
| Znanstveni radovi u zbornicima skupova s međunarodnom recenzijom | 12 | 3 | 2 | 2 | 0 | 5 | 0 | 0 |
| Sažeci kongresnih priopćenja u CC časopisima | 26 | 1 | 8 | 0 | 0 | 3 | 14 | 0 |
| Sažeci kongresnih priopćenja u ostalim časopisima | 29 | 6 | 1 | 0 | 18 | 3 | 1 | 0 |
| Sažeci u zbornicima skupova | 438 | 141 | 36 | 34 | 39 | 73 | 95 | 20 |
| Autorske knjige | 10 | 5 | 0 | 0 | 2 | 1 | | 2 |
| Uredničke knjige | 7 | 2 | 2 | 0 | 0 | 1 | 1 | 1 |
| Poglavlja u knjizi | 24 | 6 | 3 | 0 | 6 | 6 | 1 | 2 |
| Udžbenici i skripta | 2 | 0 | 0 | 0 | 1 | | 1 | |
| Doktorski radovi | 75 | 5 | 20 | 4 | 3 | 12 | 27 | 4 |
| Diplomski radovi | 406 | 52 | 27 | 14 | 55 | 27 | 46 | 185 |
| Druge vrste radova | 48 | 5 | 9 | 8 | 2 | 1 | 5 | 18 |
| UKUPNO | 1149 | 327 | 239 | 82 | 143 | 147 | 244 | 301 |

* Koautori nekih radova su djelatnici dvaju Odsjeka

**POPIS IZVORNIH ZNANSTVENIH RADOVA DJELATNIKA PMF-a
U ČASOPISIMA CITIRANIM U BAZI CURRENT CONTENTS**

| | |
|---|---|
| Alegro, Antun; Šegota, Vedran; Papp, Beata. <i>Syntrichia norvegica</i> F.Weber [in Croatia]. In Ellis, L. T. et al., <i>New national and regional bryophyte records</i> , 44.. // <i>Journal of bryology</i> . 37 (2015) , 3; 236-236 | B |
| Aakeroy, Christer B.; Wijethunga, Tharanga K.; Desper, John; Đaković, Marijana. <i>Crystal Engineering with Iodoethylnitrobenzenes: A Group of Highly Effective Halogen-Bond Donors</i> . // <i>Crystal growth & design</i> . 15 (2015) ; 3853-3861 | K |
| Abelev, B. ...; Antičić, Tome; Gotovac, Sven; Mudnić, Eugen; Planinić, Mirko; Poljak, Nikola; Simatović, Goran; Šuša, Tatjana; Vicković, Linda; et al. <i>K*(892)0 and $\phi(1020)$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV</i> . // <i>Physical Review C</i> . 91 (2015) , 2; 24609-1-24609-26. | F |
| Abelev, B. ...; Antičić, Tome; Gotovac, Sven; Mudnić, Eugen; Planinić, Mirko; Poljak, Nikola; Simatović, Goran; Šuša, Tatjana; Vicković, Linda; et al. <i>Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at root s=2.76 TeV</i> . // <i>Physical Review D - Particles, Fields, Gravitation, and Cosmology</i> . 91 (2015) , 1; 12001-1-12001-13. | F |
| Abelev, B. ...; Antičić, Tome; Gotovac, Sven; Mudnić, Eugen; Planinić, Mirko; Poljak, Nikola; Simatović, Goran; Šuša, Tatjana; Vicković, Linda; et al. <i>Multiplicity dependence of jet-like two-particle correlation structures in p-Pb collisions at root s(NN)=5.02 TeV</i> . // <i>Physics letters. B</i> . 741 (2015) , 4; 38-50. | F |
| Abelev, B. ...; Antičić, Tome; Gotovac, Sven; Mudnić, Eugen; Planinić, Mirko; Poljak, Nikola; Simatović, Goran; Šuša, Tatjana; Vicković, Linda; et al. <i>Production of inclusive gamma(1S) and gamma(2S) in p-Pb collisions at, root S-NN=5.02 TeV</i> . // <i>Physics letters. B</i> . 740 (2015) ; 105-117. | F |
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**POPIS ZNANSTVENIH RADOVA DJELATNIKA PMF-a U OSTALIM
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**MEĐUNARODNA SURADNJA NA
PRIRODOSLOVNO-MATEMATIČKOM FAKULTETU**

Međunarodna suradnja Fakulteta se tijekom akademske godine 2014./2015. odvijala u okviru međusveučilišne suradnje, zajedničkih međunarodnih projekata te izravnim kontaktima nastavnika s inozemnim sveučilištima i istraživačkim ustanovama Europe i svijeta. Financiranje suradnje najvećim dijelom ostvarivalo se kroz posebnu međunarodnu suradnju Sveučilišta ili putem istraživačkih projekata. U okviru međunarodne suradnje Fakulteta osobito treba naglasiti znanstvenu suradnju i aktivno sudjelovanje na međunarodnim konferencijama. Osim razmjene nastavnika (gosti-predavači na preddiplomskoj, diplomskoj i doktorskoj razini), nastavljena je i mobilnost studenata - kako naših studenata na inozemnim sveučilištima, tako i stranih studenata na PMF-u putem različitih stipendija, programa i projekata. Značajna razmjena studenata i nastavnika odvijala se u okviru nekoliko mreža CEEPUS programa.

Tijekom akademske godine 2014./2015. djelatnici PMF-a ostvarili su ukupno 774 putovanja u inozemstvo (37 dogovora o suradnji, 72 gostovanja kao predavači, 286 izlaganja na konferencijama, 51 projektni sastanak, 215 znanstveni boravak, 57 stručnih boravaka i 56 ostalih putovanja). Na PMF-u je u isto vrijeme boravilo 118 inozemnih gostiju – znanstvenika i predavača, najviše kao gostujućih znanstvenika. Tijekom akademske godine 2014./2015., ukupno je 70 studenata PMF-a boravilo na inozemnim sveučilištima, najvećim dijelom zbog pohađanja nastave, doktorskog studija i istraživačkog rada, dok je na PMF-u boravilo 29 stranih studenata, i to u svrhu obavljanja stručne prakse i pohađanja nastave.

Nastavljene su i aktivnosti u sklopu Erasmus+ programa pri čemu je studentima PMF-a odobreno 35 stipendija za stručnu praksu i 23 za studijski boravak na stranim sveučilištima.

Dolazna mobilnost studenata je u sklopu Erasmusa i ostalih programa mobilnosti ostala na prošlogodišnjoj razini te je na Prirodoslovno-matematičkom fakultetu studijski boravak provelo 20 studenata. U sklopu Erasmus+ programa sklopljeno nekoliko novih bilateralnih ugovora.

PMF-u je pod voditeljstvom prof. dr. sc. Predraga Novaka odobren i prvi projekt iz sredstava Europskog fonda za regionalni razvoj pod nazivom „Razvoj nove metodologije za kontrolu procesa pripreme lijekova – Met4Pharm“. Također su odobreni i prvi projekti iz sredstava Europskog socijalnog fonda pri čemu posebno treba spomenuti projekt „Razvoj studija ekologije, računarstva i matematike uz primjenu hrvatskog kvalifikacijskog okvira – EKORAMA“. Nastavljene su aktivnosti u okviru ranije odobrenih FP7 projekata na kojima je je u prošloj ak. godini bilo zaposleno nekoliko stranih istraživača.

Tijekom akademske godine 2014./2015. godine potpisano je nekoliko novih bilateralnih i multilateralnih ugovora o suradnji, a u tijeku je i provedba nekoliko ranije ugovorenih multilateralnih projekata (npr. FP7, COST, NATO, itd). U tijeku su bili i pregovori oko potpisivanja prvih odobrenih HORIZON 2020 projekata.

Nastavnici i studenti Prirodoslovno-matematičkog fakulteta tijekom akad. godine 2014./2015. imali su i aktivnu međunarodnu suradnju. Podaci o sudjelovanju nastavnika i studenata na inozemnim sveučilištima prikazani su u sljedećoj tablici.

| MEĐUNARODNA SURADNJA I MOBILNOST DJELATNIKA I STUDENATA PMF-a AKADEMSKE GODINE 2014./2015. | | | | | | | | |
|---|--------------------|---------------|-----------------------|--------------------|--------------------|-----------------|---|-----------------|
| PREMA EVIDENCIJI MEĐUNARODNE SURADNJE SVEUČILIŠTA U ZAGREBU | Dogovor o suradnji | Gost predavač | Konferencija/ seminar | Projektni sastanak | Znanstveni boravak | Stručni boravak | Ostala međunarodna suradnja djelatnika | studenti ukupno |
| Djelatnici i studenti PMF-a; inozemni boravci | 37 | 72 | 286 | 51 | 215 | 57 | 56 | 70 |
| Inozemni gosti PMF-a | 2 | 28 | 17 | 6 | 60 | 1 | 4 | 29 |
| Ukupno | 39 | 100 | 303 | 57 | 265 | 58 | 60 | 99 |

