

Curriculum vitae
Mirna Ćurković-Perica

Address: University of Zagreb, Faculty of Science, Department of Biology, Division of Microbiology, Marulićev trg 9a, Zagreb, Croatia

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Scientific Personal Identification Number: 189651

Date, place of birth and citizenship: November 5th, 1967; Livno, Croatian

Academic title: Full Professor

Work experience:

2013 - Full Professor (Department of Biology, Faculty of Science, University of Zagreb, Croatia)

2009–2013 Associate professor (2011-2014 Head of the Division of Microbiology; Department of Biology, Faculty of Science, University of Zagreb, Croatia)

2003–2009 Assistant professor (Department of Biology, Faculty of Science, University of Zagreb, Croatia)

1998–2003 Post Doc (Department of Biology, Faculty of Science, University of Zagreb, Croatia)

1997 Post Doc (Karl Franzes Universität, Institute of Microbiology, Graz, Austria)

1990-1997 research assistant (Tobacco Institute Zagreb, Croatia)

Education:

1996. PhD in Biology (Faculty of Science, University of Zagreb, Croatia)

1992. MSc in Molecular and Cellular Biology (Faculty of Science, University of Zagreb, Croatia)

1990. BSc in Molecular Biology (Faculty of Science, University of Zagreb, Croatia)

Research projects:

I lead/led projects:

-2014-2017 - leader of the project "Diversity and interactions of chestnut, chestnut blight fungus and biocontrol agent–virus: implications on chestnut recovery" (project financed by Croatian National Science Foundation)

-2014-2017 co-applicant and leader of the Croatian team in multilateral project entitled "Invasive chestnut diseases in the Balkans and Georgia – epidemiological research and management options" financed by Swiss National Science Foundation (SNSF)

-2013-2014 - leader of the project "Genomics and molecular epidemiology of plant pathogens" (Financial support of the University of Zagreb)

-2009-April 2013 - co-applicant and leader of the Croatian team in multilateral project entitled "Chestnut blight research in the Balkans and Georgia: population studies and biological control methods" financed by Swiss National Science Foundation (SNSF)

-2007-2013 leader of the national project "Biological control of plant diseases" -financed by Ministry of Science, Education and Sport of the Republic of Croatia (MZOS Project number 119-1191192-1215)

-2007/08 leader of Croatian team in bilateral COGITO French-Croatian project "Molecular plant-microbe interactions"

-2006-2008 - co-applicant and leader of the Croatian team in project financed by SNSF, "Epidemiology and population structure of *Cryphonectria parasitica* and associated *Cryphonectria hypoviruses* in the Balkans"

-2004-2007 - leader of the project "Population structure and characterization of *Cryphonectria parasitica*" financed by factory Tanin

Collaborator on the projects:

-2014 "Ecology and genomics of environmental pathogens" led by prof. dr. Jasna Hrenović (Financial support of the University of Zagreb)

- MZOŠ project "Organization and function of plant cells and tissues upon the oxidative stress (073-0731674-1673)" led by prof. dr. Hrvoje Lepeduš (Agricultural Institute Osijek)
- COST action: Phytoplasma epidemics in different crop systems
- MZOŠ project "Plant viruses, subviral pathogens and phytoplasmas", led by prof. dr. Mladen Krajačić (University of Zagreb, Faculty of Science)
- Technological project (12.2001-12.2004) "Evaluation and introduction of wild species of ornamental plants in horticulture", led by prof. dr. Ines Vršek (University of Zagreb, Faculty of Agriculture)
- "VIP" project financed by Ministry of Agriculture of the Republic of Croatia "Control of grapevine yellows in Croatia", led by prof. dr. Bernard Kozina (University of Zagreb, Faculty of Agriculture)
- Project financed by MZT RH (Ministry of Science and Technology of the Republic of Croatia) and Ministry of Development and Reconstruction entitled "Molecular detection and identification of phytoplasmas –causal agents of grapevine yellows", led by prof. dr. Mladen Krajačić (University of Zagreb, Faculty of Science)
- MZT RH (Ministry of Science and Technology of the Republic of Croatia) project "Viruses and subviral pathogens", led by prof. dr. Nikola Juretić (University of Zagreb, Faculty of Science)
- MZT RH project "Development of pathogen-resistant tobacco cultivars with better smoking characteristics (092002)", led by dr. Jure Beljo (Tobacco Institute Zagreb)
- MZT RH project "Factors for optimal growth and higher commercial value of tobacco (4-01-035)", led by dr. Nikola Vuletić (Tobacco Institute Zagreb)

Recent research activity:

My research is directed to plant pathogens, their identification, diversity, interactions with the plant hosts, as well as means and novel methods for pathogen control and biocontrol. In the last years my group studied: (I) the diversity of some bacterial and fungal plant pathogens (Krstin et al. 2008, 2011; Ježić et al. 2012, 2013), as well as diversity of a virus species which is natural biocontrol agent of the pathogenic ascomycete *C. parasitica* (Krstin et al. 2008, 2011), (II) three-lateral interaction of the chestnut, *C. parasitica* and biocontrol agent (virus) (Ježić et al. 2014), (III) the effects of oomycetal elicitor gene from *Phytophthora cryptogea* on secondary plant metabolism (Vuković et al. 2013), (IV) the effect of bioactive substances including plant growth regulators on phytoplasma-infected plants (Ćurković-Perica 2008a,b; Leljak-Levanić et al. 2010) and viroid-infected plants (Černi et al. 2012) as well as on some prokaryotes (Repar et al. 2013) and eukaryotic cells (Ester et al. 2009), and (V) novel methods for virus CHV1 isolation and purification (Perica et al. 2009). I also collaborated with other scientific groups working on photosynthesis and senescence (Fulgosi et al. 2012, Lepeduš et al. 2008 and 2010) and regeneration of plants in vitro (Kereša et al. 2009).

Teaching: Courses at the University of Zagreb, Faculty of Science:

Undergraduate: General Microbiology, Methods of Nucleic Acids Analyses, Microbiology

Graduate: Ecology of Bacteria and Viruses, Methods in Molecular Biology

Postgraduate Study Program: Biological and Hormonal Control of Plant Diseases

Courses at the University JJ Strossmayer in Osijek, Division of Biology:

Graduate: Virology

Training (scientific visits and workshops):

2008., 2007., 2005., 1999., 1995. INRA Versailles, France;

2006. Swiss Federal Research Institute WSL, Birmensdorf, Switzerland;

2005. ICGEB-OPS-RELAB; Montevideo, Uruguay;

1999. ICGEB, Trieste, Italy;

1994. Agricultural Biotechnology Center Godollo, Hungary

Additional activities:

-from 2010 - Section editor in the journal Acta Botanica Croatica

-2009-2013 Member of the State committee for control of GMO introduction into environment
-from 2013 - Head of the State committee for control of GMO introduction into environment