

## PERSONAL INFORMATION

**Marius Stefan**

📍 „Alexandru Ioan Cuza” University, Faculty of Biology, B-dul. Carol I, nr. 20 A, 700506 Iasi (Romania)

☎ 0232201524

✉ stefanm@uaic.ro

## WORK EXPERIENCE

15/02/2016–Present

**Professor**

„Alexandru Ioan Cuza” University of Iasi, Department of Biology, Faculty of Biology, Iasi (Romania)  
Education and research

01/10/2014–15/02/2016

**Associate Professor**

„Alexandru Ioan Cuza” University of Iasi, Department of Biology, Faculty of Biology, Iasi (Romania)  
Education and research

10/10/2007–2014

**Lecturer**

„Alexandru Ioan Cuza” University of Iasi, Department of Biology, Faculty of Biology, Iasi (Romania)  
Education and research

15/02/2001–10/10/2007

**Teaching assistant**

„Alexandru Ioan Cuza” University of Iasi, Department of Biology, Faculty of Biology, Iasi (Romania)  
Education and research

## EDUCATION AND TRAINING

2014

**Habilitation thesis - BACTERIAL BIOTECHNOLOGICAL APPLICATIONS: FROM PLANT GROWTH PROMOTION TO NEW NEUROPROTECTIVE DRUGS**

Alexandru Ioan Cuza University of Iasi, Iasi (Romania)

2011–2013

**Postdoctoral position - Microbiology, project title - THE IMPACT OF SOME RHIZOBACTERIA STRAINS ON RUNNER BEAN (PHASEOLUS COCCINEUS L.) PLANTS GROWTH AND DEVELOPMENT**

The University of Agricultural Sciences and Veterinary Medicine Iasi, Iasi (Romania)

2001–2007

**Doctoral degree in Microbiology, thesis title: “Researches concerning the effect of rhizospheric microbiota on growth and development of some crop plants”,**

Alexandru Ioan Cuza University of Iasi, Iasi (Romania)

Microbiology

2000–2002

**Master’s degree – „Microbial biotechnologies”**

Alexandru Ioan Cuza University of Iasi, Iasi (Romania)

1996–2000 **Bachelor's degree in Biology**  
 Alexandru Ioan Cuza" University of Iasi, Iasi (Romania)

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
French	B1	B2	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Communication skills** Good communication skills gained through my experience as teacher.  
 Team spirit.

**Organisational / managerial skills** Good experience in project management.

**Job-related skills**

**Teaching**

1. General microbiology
2. Microbial biotechnologies
3. Soil Microbiology
4. Microbial ecology
5. Immunobiology

**Research**

General microbiology, Microbial Ecology, Soil Microbiology, Microbial biotechnology.  
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**Digital competence**

Good command of Microsoft Office (Word, Excel, Power Point),  
 Basic knowledge of graphic design applications: Adobe Photoshop, Correl Draw.

**ADDITIONAL INFORMATION**

**Projects**

**Project leader**

International:

2006-2007 Grant CNCSIS, tip TD, nr. 459, IMPACT OF RHIZOSPHERIC MICROORGANISMS (PGPR) ON GROWTH AND DEVELOPMENT OF SOME CROPS

National:

2007-2010 PNCDI II, Contract IDEI, nr. 249/01.10.2007, cod CNCSIS 440: IMPACT OF SOME RIZHOBACTERIA STRAINS ON GROWTH AND DEVELOPMENT OF SOYBEAN PLANTS (GLYCINE MAX L. MERR)

2015-2017 Module III, Bilateral cooperation, 780/30.06.2014: APPLICATIONS OF BIOMOLECULES WITH ANTIFUNGAL PROPERTIES IN PLANT PROTECTION

- Memberships** Romanian Society of Microbiology;  
Romanian Society of Limnology;  
National Society of Cellular Biology;  
Romanian Society of Pure and Applied Biophysics.
- Publications** Relevant publications:
1. Babii, C., Bahrin, L.G., Neagu, A.-N., Gostin, I., Mihasan, M., Birsa, L.M., **Ștefan, M.**, 2016 - Antibacterial activity and proposed action mechanism of a new class of synthetic tricyclic flavonoids, *Journal of Applied Microbiology*, doi:10.1111/jam.13048.
  2. Hritcu, L., **Ștefan, M.**, Brandsch, R., Mihasan, M., 2015 - Enhanced behavioral response by decreasing brain oxidative stress to 6-hydroxy-L-nicotine in Alzheimer's disease rat model, *Neuroscience Letters*, 591: 41-47.
  3. Bahrin, L.G., Apostu, M.O., Birsa, L.M., **Ștefan, M.**, 2014 - The antibacterial properties of sulfur containing flavonoids, *Bioorganic & Medicinal Chemistry Letters*, 24: 2315-2318.
  4. Mihasan, M., **Ștefan, M.**, Hritcu, L., Brandsch, R., 2013 - Evidence of a plasmid-encoded oxidative xylose catabolic pathway in *Arthrobacter nicotinovorans* pAO1, *Research in Microbiology*, 164: 22-30.
  5. **Ștefan, M.**, Melnig, V., Pricop, D., Neagu, A., Mihasan, M., Tartau, L., Hritcu, L., 2013 - Attenuated effects of chitosan-capped gold nanoparticles on LPS-induced toxicity in laboratory rats, *Materials Science and Engineering: C Materials for Biological Applications*, 33: 550-556.
  6. **Ștefan, M.**, Munteanu, N., Stoleru, V., Mihasan, M., Hritcu, L., 2013 - Seed inoculation with plant growth promoting rhizobacteria enhances photosynthesis and yield of runner bean (*Phaseolus coccineus* L.), *Scientia Horticulturae*, 151: 22-29.
  7. Noumedem, J.A.K., Mihasan, M., Lacmata, S.T., **Ștefan, M.**, Kuate, J.R., Kuete, V., 2013 - Antibacterial activities of the methanol extracts of ten Cameroonian vegetables against Gram-negative multidrug-resistant bacteria, *BMC Complementary and Alternative Medicine*, 13:26, 1-9.
  8. Noumedem, J.A.K., Mihasan, M., Kuate, J.R., **Ștefan, M.**, Cojocaru, D., Dzoyem, J.P., Kuete, V., 2013 - In vitro antibacterial and antibiotic-potential activities of four edible plants against multidrug-resistant Gram-negative species, *BMC Complementary and Alternative Medicine*, 13, Article Number - 190.
  9. Hritcu, L., **Ștefan, M.**, Brandsch, R., Mihasan, M., 2013 - 6-hydroxy-L-nicotine from *Arthrobacter nicotinovorans* sustain spatial memory formation by decreasing brain oxidative stress in rats, *Journal of Physiology and Biochemistry*, 69(1): 25-34.
  10. **Ștefan, M.**, Hritcu, L., Mihasan, M., Pricop, D., Gostin, I., Olariu, R.I., Dunca, S., Melnig, V., 2011 - Enhanced antibacterial effect of silver nanoparticles obtained by electrochemical synthesis in poly(amide-hydroxyurethane) media, *Journal of Materials Science: Materials in Medicine*, 22: 789-796.
- Books:**
- Simona Dunca, Octăvița Ailiesei, Erica Nimițan, **Marius Ștefan**, 2005 – Elements of Microbiology - Ed. Junimea, Iași, ISBN: 973-37-1042-3, vol I, p. 268.
  - Simona Dunca, Octăvița Ailiesei, Erica Nimițan, **Ștefan Marius**, 2007 – Applied Microbiology, Casa editorială Demiurg, Iași, ISBN: 973-7603-79-6, p. 300.
  - **Ștefan Marius**, 2008 – Biology of rhizospheric microorganisms – biotechnological applications, Ed. Tehnopress Iași, ISBN 973-702-597-5, p. 369.
  - Mihășan Marius, **Ștefan Marius**, Olteanu Zenovia, 2012 – Molecular biology – experimental methods, Ed. Universității Alexandru Ioan Cuza din Iași, ISBN 978-973-703-816-6, p. 354.
  - **Ștefan Marius**, 2014 - Applied microbiology: from plant growth promotion to new neuroprotective drugs, Ed. Universității Alexandru Ioan Cuza din Iași, ISBN 978-606-714-091-0, p. 213.
- Conferences** (selective)
1. International Congress EUROSOL 2008, August 25 - 29, 2008, Technical University Vienna, Austria.
  2. 11th International Congress on Amino Acids, Peptides and Proteins, August 3 - 7, 2009, Vienna, Austria.
  3. 22nd New Phytologist Symposium Effectors in plant-microbe interactions, INRA, Versailles, 13 - 16

September 2009, Paris, France.

4. The EMBO (European Molecular Biology Organization) Meeting 2010, 4 - 7 September, Barcelona, Spain.

5. 36th FEBS Congress 2011 Biochemistry for tomorrow's medicine, 25 - 30 June, 2011, Torino, Italy.

6. 18th International Botanical Congress, Melbourne, Australia, 22 July – 1 August 2011. Plant Biology Congress, 28.07.2012 - 04.08.2012, Freiburg, Germany.

**Associate editor**

- American Journal of Current Microbiology
- International Journal of Microbiology Research
- World Research Journal of Tropical Agriculture
- Analele Stiintifice ale Universității Alexandru Ioan Cuza din Iasi, Sec. II a. Genetică și Biologie Moleculară

**Reviewer**

- PlosOne
- Plant and soil
- Archives of Agronomy and Soil Science
- International Journal of Biomedical Nanoscience and Nanotechnology
- International Journal of Nanomedicine
- BMC Complementary and Alternative Medicine
- Archives of Agronomy and Soil Science
- African Journal of Microbiology Research
- African Journal of Biotechnology