



## Marius Stefan

**Nationality:** Romanian

### CONTACT



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



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### WORK EXPERIENCE

**15/02/2016 – CURRENT**

**Professor** „Alexandru Ioan Cuza” University of Iași,  
Department of Biology, Faculty of Biology

Education and research

**Address** Iasi, Romania

**01/10/2014 – 15/02/2016**

**Associate Professor** „Alexandru Ioan Cuza” University of  
Iași, Department of Biology, Faculty of Biology

Education and research

**Address** Iasi, Romania

**10/10/2007 – 2014**

**Lecturer** „Alexandru Ioan Cuza” University of Iași,  
Department of Biology, Faculty of Biology

Education and research

**Address** Iasi, Romania

**15/02/2001 – 10/10/2007**

**Teaching assistant** „Alexandru Ioan Cuza” University of  
Iași, Department of Biology, Faculty of Biology

Education and research

**Address** Iasi, Romania

**01/09/2020 – CURRENT**

**Dean of faculty** Faculty of Biology, University Alexandru  
Ioan Cuza of Iasi

**01/08/2017 – 31/08/2020**

**Head of Biology Doctoral School** Alexandru Ioan Cuza”  
University of Iași

### EDUCATION AND TRAINING

**2014** Iasi, Romania

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

University of Iasi

**Address** Iasi, Romania

**2011 – 2013** Iasi, Romania

**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 Iași

**Address** Iasi, Romania

2001 – 2007 Iasi, Romania

**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

Microbiology

**Address** Iasi, Romania

2000 – 2002 Iasi, Romania

**Master’s degree – „Microbial biotechnologies”** Alexandru Ioan Cuza University of Iasi

**Address** Iasi, Romania

1996 – 2000 Iasi, Romania

**Bachelor’s degree in Biology** Alexandru Ioan Cuza” University of Iasi

**Address** Iasi, Romania

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Romanian

**Other language(s):**

**English**

**Listening**  
C1

**Reading**  
C1

**Spoken production**  
B2

**Spoken interaction**  
B2

**Writing**  
B2

**French**

**Listening**  
B1

**Reading**  
B2

**Spoken production**  
B1

**Spoken interaction**  
B1

**Writing**  
B1

## ADDITIONAL INFORMATION

**Publications**

**Publications**

Relevant publications:

1. Babii, C., Mihalache, G., Bahrin, L.G., Neagu, A.N., Gostin, I., Mihai, C.T., Sarbu, L.G., Birsa, L.M., **Stefan, M.**, 2018 - *A novel synthetic flavonoid with potent antibacterial properties: In vitro activity and proposed mode of action*, PLOS ONE, 1-15.
2. Babii, C., Bahrin, L.G., Neagu, A.-N., Gostin, I., Mihasan, M., Birsa, L.M., Stefan, M., 2016 - *Antibacterial activity and proposed action mechanism of a new class of synthetic tricyclic flavonoids*. Journal of Applied Microbiology, 120, 630-637.
3. Hritcu, L., **Stefan, 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.
4. Bahrin, L.G., Apostu, M.O., Birsa, L.M., **Stefan, M.**, 2014 - The antibacterial properties of sulfur containing flavonoids, Bioorganic & Medicinal Chemistry Letters, 24: 2315-2318.
5. Mihasan, M., **Stefan, 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.
6. **Stefan, 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.
7. **Stefan, 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.
8. Noumedem, J.A.K., Mihasan, M., Lacmata, S.T., **Stefan, 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.
9. **Stefan, 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, **Ștefan Marius**, 2007 – Applied Microbiology, Casa editorială Demiurg, Iași, ISBN: 973-7603-79-6, p. 300.

- **Ştefan Marius**, 2008 – Biology of rhizospheric microorganisms – biotechnological applications, Ed. Tehnopress Iaşi, ISBN 973-702-597-5, p. 369.
  - Mihăşan Marius, **Ştefan Marius**, Olteanu Zenovia, 2012 – Molecular biology – experimental methods, Ed. Universităţii Alexandru Ioan Cuza din Iaşi, ISBN 978-973-703-816-6, p. 354.
  - **Stefan Marius**, 2014 - Applied microbiology: from plant growth promotion to new neuroprotective drugs, Ed. Universităţii Alexandru Ioan Cuza din Iasi, ISBN 978-606-714-091-0, p. 213.
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## Networks and memberships

● **Memberships** Romanian Society of Microbiology;  
Romanian Society of Limnology;  
National Society of Cellular Biology;  
Romanian Society of Pure and Applied Biophysics.

## Conferences and seminars

### ● **Conferences** (selective)

1. International Congress EUROSIL 2008, Technical University Vienna, Austria.
2. 11th International Congress on Amino Acids, Peptides and Proteins, 2009, Vienna, Austria.
3. 22nd New Phytologist Symposium Effectors in plant-microbe interactions, INRA, Versailles, 2009, Paris, France.
4. The EMBO Meeting 2010, Barcelona, Spain.
5. 36th FEBS Congress 2011 Biochemistry for tomorrow's medicine, Torino, Italy.
6. 18th International Botanical Congress, Melbourne, Australia, 2011.
7. 43rd FEBS Congress 2018 Biochemistry forever, Prague, Czech Republic.
8. 44th FEBS Congress 2019 From molecules to living systems, Krakow, Poland.

## Projects

### ● **Projects** Project leader

International:

2019-2020 Module III, Bilateral cooperation (Romania-France), 490/26.07.2019: NEW SYNTHETIC FLAVONOIDS WITH ANTIMICROBIAL PROPERTIES

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

2016-2018 Module III, Bilateral cooperation (Romania-South Africa): THE STUDY OF ZEA MAYS L. AND VIGNA UNGUICULATA (L.) WALP. RHIZOSPHERE BIODIVERSITY - PREMISE FOR BIOECONOMICAL APPLICATIONS

National: 2007-2010 PNCDI II, Contract IDEI, nr. 249/01.10.2007, cod CNCISIS 440: IMPACT OF SOME RHIZOBACTERIA STRAINS ON GROWTH AND DEVELOPMENT OF SOYBEAN PLANTS (GLYCINE MAX L. MERR) 2006-2007 Grant CNCISIS, tip TD, nr. 459, IMPACT OF RHIZOSPHERIC MICROORGANISMS (PGPR) ON GROWTH AND DEVELOPMENT OF SOME CROPS

## Organisational skills

● **Organisational skills** Good experience in project management.

## Communication and interpersonal skills

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

## Job-related skills

### ● **Job-related skills**

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#### **Teaching**

1. General microbiology
2. Microbial biotechnologies

#### **Research**

General microbiology, New antimicrobials.  
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## Management

### ● **Management**

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Head of Biology Doctoral School, from 1st of August 2017

## Associate editor

### ● **Associate editor**

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- American Journal of Current Microbiology
- International Journal of Microbiology Research
- World Research Journal of Tropical Agriculture

## Reviewer

### Reviewer

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- 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

## Awards

### Awards

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2016 – *Grigore Antipa* Romanian Academy Award