



Marius Stefan

Nationality: Romanian | **Phone number:** (+40) 232201524 (Work) | **Email address:** stefanm@uaic.ro |

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

● WORK EXPERIENCE

15/02/2016 – CURRENT Iasi, Romania

PROFESSOR „ALEXANDRU IOAN CUZA” UNIVERSITY OF IAȘI, DEPARTMENT OF BIOLOGY, FACULTY OF BIOLOGY

Education and research

01/10/2014 – 15/02/2016 Iasi, Romania

ASSOCIATE PROFESSOR „ALEXANDRU IOAN CUZA” UNIVERSITY OF IAȘI, DEPARTMENT OF BIOLOGY, FACULTY OF BIOLOGY

Education and research

10/10/2007 – 2014 Iasi, Romania

LECTURER „ALEXANDRU IOAN CUZA” UNIVERSITY OF IAȘI, DEPARTMENT OF BIOLOGY, FACULTY OF BIOLOGY

Education and research

15/02/2001 – 10/10/2007 Iasi, Romania

TEACHING ASSISTANT „ALEXANDRU IOAN CUZA” UNIVERSITY OF IAȘI, DEPARTMENT OF BIOLOGY, FACULTY OF BIOLOGY

Education and research

01/09/2020 – 01/06/2024

DEAN OF FACULTY FACULTY OF BIOLOGY, „ALEXANDRU IOAN CUZA” UNIVERSITY OF IAȘI

01/08/2017 – 31/08/2020

HEAD OF BIOLOGY DOCTORAL SCHOOL ALEXANDRU IOAN CUZA” UNIVERSITY OF IAȘI

2020 – 2024

MEMBER OF BIOLOGY AND BIOCHEMISTRY COMMITTEE NATIONAL COUNCIL FOR ATTESTING TITLES, DIPLOMAS AND CERTIFICATES

2024 – CURRENT Bucharest, Romania

EVALUATOR, EXACT SCIENCES AND NATURAL SCIENCES ROMANIAN AGENCY FOR QUALITY ASSURANCE IN HIGHER EDUCATION

● 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

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

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

2000 – 2002 Iasi, Romania

MASTER’S DEGREE – „MICROBIAL BIOTECHNOLOGIES” Alexandru Ioan Cuza University of Iasi

1996 – 2000 Iasi, Romania

BACHELOR’S DEGREE IN BIOLOGY Alexandru Ioan Cuza University of Iasi

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
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

● PUBLICATIONS

Publications

Relevant publications:

1. Moldovan, C.V., Savu, M., Dussert, E., Aboubacar, H., Sarbu, L.G., Matiut, S., Cudennec, B., Krier, F., Ravallec, R., Birsă, L.M., **Stefan, M.**, 2022 - *Synthetic flavonoid BrCl-flav-an alternative solution to combat ESKAPE pathogens*, Antibiotics 2022, 11(10).
2. Savu, M., Simo, M.K., Fopokam, G.X., Olaru, S.M., Cioanca, O., Boyom, F.F., **Stefan, M.**, 2022 - *New insights into the antimicrobial potential of Polyalthia longifolia - antibiofilm activity and synergistic effect in combination with penicillin against Staphylococcus aureus*, Microorganisms 2022, 10, 1943.
3. Adedayo, A.A., Babalola, O.O., Prigent-Combaret, C., Cruz, C., Stefan, M., Kutu, F., Glick, B.R., 2022 - *The application of plant growth-promoting rhizobacteria in Solanum lycopersicum production in the agricultural system: a review*. PeerJ 10:e13405, <http://doi.org/10.7717/peerj.13405>.
4. Babii, C., Savu, M., Motrescu, I., Birsă, L.M., Sarbu, L.G., **Stefan, M.**, 2021 - *The antibacterial synthetic flavonoid BrCl-flav exhibits important anti-Candida activity by damaging cell membrane integrity*, Pharmaceuticals 2021, 14, p. 1-15.
5. Babii, C., Mihalache, G., Bahrin, L.G., Neagu, A.N., Gostin, I., Mihai, C.T., Sarbu, L.G., Birsă, 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.
6. Babii, C., Bahrin, L.G., Neagu, A.-N., Gostin, I., Mihasan, M., Birsă, 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.
7. Bahrin, L.G., Apostu, M.O., Birsă, L.M., **Stefan, M.**, 2014 - *The antibacterial properties of sulfur containing flavonoids*, Bioorganic & Medicinal Chemistry Letters, 24: 2315-2318.
8. **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.
9. **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.

Books:

- 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.
- **Stefan Marius**, 2014 - Applied microbiology: from plant growth promotion to new neuroprotective drugs, Ed. Universității Alexandru Ioan Cuza din Iasi, ISBN 978-606-714-091-0, p. 213.

● 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. FEMS Conference on Microbiology, 30 June - 2 July 2022, Belgrad, Serbia.
2. 25th IUBMB, 46th FEBS, 15th PABMB, 9-14 July 2022, Lisbon, Portugal.
3. Eurobiofilms 2022, 31 Aug-3 Sept 2022, Spain.
4. World Microbe Forum, IX Ed., 20-24 June 2021, Hamburg, Germany
5. 44th FEBS Congress 2019 From molecules to living systems, Krakow, Poland.
6. 43rd FEBS Congress 2018 Biochemistry forever, Prague, Czech Republic.
7. 18th International Botanical Congress, Melbourne, Australia, 2011.
8. 36th FEBS Congress 2011 Biochemistry for tomorrow's medicine, Torino, Italy.
9. The EMBO Meeting 2010, Barcelona, Spain.
10. 22nd New Phytologist Symposium Effectors in plant-microbe interactions, INRA, Versailles, 2009, Paris, France.

● 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:

2020-2022 PN-III-P2-2.1-PED-2019-2235, nr. 550PED / 2020: TRICYCLIC 1,3-DITHIOLIUM FLAVONOIDS - NEW WEAPONS TO COMBAT ANTIBIOTIC RESISTANCE.

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

2006-2007 Grant CNCIS, 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

Teaching

1. General microbiology
2. Microbial biotechnologies

Research

General microbiology, New antimicrobials.

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MANAGEMENT

Management

Dean, Faculty of Biology, 2020-2024

Head of Biology Doctoral School, 2017-2020

ASSOCIATE EDITOR

Associate editor

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

REVIEWER

Reviewer

- Microorganisms
- Canadian Journal of Infectious Diseases and Medical Microbiology
- European Journal of Plant Pathology
- Journal of Applied Microbiology
- Pathogens
- ACS Infectious Diseases
- Food Science and Nutrition
- Food Quality and Safety
- Chemistry and Biodiversity
- PlosOne
- Plant and soil

AWARDS

Awards

2016 – *Grigore Antipa* Romanian Academy Award