

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Ileana Cornelia FARCASANU**
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E-mail ileana.farcasanu@g.unibuc.ro; ileanafarcasanu@yahoo.com
Nationality Romanian
Date of birth 25.07.1960
Gender F

Occupational field **Biochemistry and molecular biology**

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>2006-onwards</p> <p>Associate professor</p> <p>Teaching, research Molecular mechanisms involved in stress tolerance Natural compounds with anti-oxidant activity Bioremediation</p> <p>University of Bucharest, Faculty of Chemistry</p> <p>Academic</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p>	<p>2001-2006</p> <p>Lecturer</p> <p>Teaching, research Bioremediation Natural compounds with anti-microbial potential</p> <p>University of Bucharest, Faculty of Chemistry</p> <p>Academic</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p>	<p>2005</p> <p>Invited researcher</p> <p>Research</p> <p>Hiroshima University, Graduate School of Advanced Sciences of Matter, Department of Molecular Biotechnology (Japan)</p>

Type of business or sector	Academic
Dates	2002-2003
Occupation or position held	Postdoctoral research assistant
Main activities and responsibilities	Research Molecular studies of mechanisms involved in regulation of tolerance to sodium and heavy metals in <i>Arabidopsis thaliana</i>
Name and address of employer	University of Glasgow, Institute of Biology and Life Science (IBLS), Department of Biochemistry and Molecular Biology (UK)
Type of business or sector	Academic
Dates	1999-2001
Occupation or position held	Postdoctoral researcher
Main activities and responsibilities	Research Molecular mechanisms involved in the unfolded protein response in yeast and mammalian cells
Name and address of employer	Employed by the Japan Science and Technology Corporation (JST) at Nara Institute of Science and Technology (NAIST), Japan
Type of business or sector	Academic
Dates	1990-2001
Occupation or position held	Professor's assistant
Main activities and responsibilities	Academic advising, research Asymmetric organic syntheses mediated by yeast
Name and address of employer	University of Bucharest, Faculty of Chemistry
Type of business or sector	Academic
Dates	1985-1990
Occupation or position held	Researcher
Main activities and responsibilities	Research
Name and address of employer	The National Institute of Oncology, Bucharest, Romania
Type of business or sector	Academic
Education and training	
Dates	1996-1999
Title of qualification awarded	Doctor of Engineering
Principal subjects/occupational skills covered	Molecular biology, Biotechnology, Biochemistry
Name and type of organisation providing education and training	Hiroshima University, Graduate School of Engineering, Department of Fermentation Technology, Japan, Funded by The Ministry of Culture and Education in Japan (Monbusho)
Dates	1994-1996
Title of qualification awarded	Master of Engineering
Principal subjects/occupational skills covered	Molecular biology, Biotechnology, Biochemistry
Name and type of organisation providing education and training	Hiroshima University, Graduate School of Engineering, Department of Fermentation Technology, Japan, Funded by The Ministry of Culture and Education in Japan (Monbusho)
Dates	1979-1984
Title of qualification awarded	Master of Science
Principal subjects/occupational skills covered	Biochemistry
Name and type of organisation providing education and training	Polytechnic University of Bucharest, Faculty of Technological Chemistry, Department of Biochemistry

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level ()**English**French**Japanese*

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A2	Basic user

(*) [Common European Framework of Reference for Languages](#)

Organisational skills and competences

Principal Investigator in two national research grants.

Technical skills and competences

Laboratory experience includes: molecular cloning methods, standard yeast, bacteria, and plant genetic techniques, standard microbiological techniques, primers design, PCR gene analysis, gene fusion techniques, microbial and mammalian cell cultures, transfection, RT-PCR, drug selection, drug tests (on yeast and mammalian cell culture), kinetics of drug transport within cell, cation transport kinetics, yeast two-hybrid system, gene reporter assay, synthesis, extraction, purification and identification of natural compounds.

Computer skills and competences

MS Office

Driving licence

B

Additional information

Hirsch Index 8, total number of citations: 250

Annexes Selected publications

1. Mitrica R, Dumitru I, Ruta LL, Ofiteru AM, **Farcasanu IC**, The dual action of epigallocatechin gallate (EGCG), the main constituent of green tea, against the deleterious effects of visible light and singlet oxygen-generating conditions as seen in yeast cells. *Molecules*, 17, 10355-10369 (2012).
2. Dumitru I, Ene CD, Ofiteru AM, Paraschivescu C, Madalan AM, Baciui I, **Farcasanu IC**, Identification of [CuCl(acac)(tmed)], a copper(II) complex with mixed ligands, as a modulator of Cu,Zn superoxide dismutase (Sod1p) activity in yeast. *J Biol Inorg Chem*, 17, 961-974 (2012).
3. Ofiteru AM, Ruta LL, Rotaru C, Dumitru I, Ene CD, Neagoe A, **Farcasanu IC**, Overexpression of the *PHO84* gene causes heavy metal accumulation and induces Ire1p-dependent unfolded protein response in *Saccharomyces cerevisiae* cells. *Appl Microbiol Biotechnol*, 94, 425-455 (2011).
4. Manolescu BN, Berteanu M, Dumitru L, Dinu H, Iliescu A, **Farcasanu IC**, Oprea E, Vlădoiu S, Popa O, Ianaș O, Dynamics of inflammatory markers in post-acute stroke patients undergoing rehabilitation. *Inflammation*, 34, 551-558 (2011).
5. Popa CV, Dumitru I, Ruta LL, Danet AF, **Farcasanu IC**, Exogenous oxidative stress induces Ca release in the yeast *Saccharomyces cerevisiae*. *FEBS J*, 277, 4027-4038 (2010).
6. Ruta L, Paraschivescu C, Matache M, Avramescu S, **Farcasanu IC**, Removing heavy metals from synthetic effluents using "kamikaze" *Saccharomyces cerevisiae* cells. *Appl Microbiol Biotechnol*, 85, 763-761 (2010).
7. Manolescu BN, Oprea E, **Farcasanu IC**, Berteanu M, Cercasov C, Homocysteine and vitamin therapy in stroke prevention and treatment: a review. *Acta Biochim Pol*, 57, 467-477 (2010).
8. Matache M, Dobrota C, Bogdan N, Dumitru I, Ruta L, Paraschivescu C, **Farcasanu IC**, Baciui I, Funeriu DP, Synthesis of fused dihydro-pyrimido[4,3-d]coumarins using Biginelli multicomponent reaction as key step. *Tetrahedron*, 65, 5949-5957 (2009).
9. Oprea E, Radulescu V, Balotescu C, Lazar V, Bucur M, Mladin P, **Farcasanu IC**, Chemical and biological studies of *Ribes nigrum* L. buds essential oil. *Biofactors*, 34, 3-12 (2008).
10. Gruia MI, Oprea E, Gruia I, Negoita V, and **Farcasanu IC**, The Antioxidant Response Induced by *Lonicera caerulea* Berry Extracts in Animals Bearing Experimental Solid Tumors. *Molecules*, 13, 1195-1206 (2008).
11. **Farcasanu IC**, Paraschivescu C, Ruta L, Oprea E, Avramescu S, Manipulation of Ni²⁺ tolerance of *Saccharomyces cerevisiae* cells: a primary step to bioremediation by removal and recovery of Ni²⁺ from contaminated waters. *Rev Roum Chim*, 53, 647-651 (2008).
12. **Farcasanu IC**, Oprea E, Paraschivescu C, Ruta L, Avramescu A, Characterization of *Saccharomyces cerevisiae* mutants resistant to high concentrations of Co²⁺: a primary step to bioremediation by removal and recovery of Co²⁺ from contaminated waters. *Rev Chim*, 59, 1041-1045 (2008).
13. **Farcasanu IC**, Gruia MI, Paraschivescu C, Baciui I, and Oprea E, Ethanol extracts of *Lonicera caerulea* and *Sambucus nigra* berries exhibit antifungal properties upon heat-stressed *Saccharomyces cerevisiae* cells. *Rev Chim*, 57, 79-82 (2006).
14. **Farcasanu IC**, Mizunuma M, Nishiyama F, and Miyakawa T, Role of L-histidine in conferring tolerance to Ni²⁺ in *Saccharomyces cerevisiae* cells. *Biosci Biotechnol Biochem*, 69, 2343-2348 (2005).