

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)

Address(es)

Telephone(s)

Fax(es)

E-mail

Nationality

Date of birth

Gender

Costin-Nicușor Bătrînescu Moteau

Str. Apeductului no. 58, Ilfov County, Chiajna, România

0040212219202

Mobile: 0040730391858

0040212219071

costinbatrinescu@yahoo.com

Romanian

16 December 1990

Male

Desired employment / Occupational field Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2019 (November) - present

PhD Student – Microbiology Department

Research activities in fields of microbiology, biochemistry, biology, ecology. Dissemination of the scientific results (scientific papers, participation to conferences and symposia – oral and posters presentations), team member in the application for research project, scientific reports.

Institute of Biology Bucharest of the Romanian Academy, Splaiul Independentei 296, Bucharest

Academic research

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2023– present

Teacher of Biology

Biology class and several activities related to environment, climate change, biodiversity conservation, etc.

Liceul Teoretic Dr. Mioara Mincu

Education and training

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2016 (July) – 2023

Teacher of Biology

Biology class and several activities related to environment, climate change, biodiversity conservation, etc.

National Theoretic Highschool (Liceul Teoretic National)

Education and training

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

2012 (September) – 2015 (August)

Teacher of Biology

Biology class and several activities related to environment, climate change, biodiversity conservation, etc.

Central School Bucharest and Elementary School “Tudor Arghezi” Bucharest

Education and training

Education and training

Dates
Title of qualification awarded
Principal subjects/occupational skills covered
Name and type of organisation providing education and training
Level in national or international classification

November 2019 – present

PhD studies (in Biology)

Microbial antagonism in extremely environments

Romanian Academy – Institute of Biology Bucharest, ROMANIA

Doctoral studies

Dates
Title of qualification awarded
Principal subjects/occupational skills covered
Name and type of organisation providing education and training
Level in national or international classification

October 2017 – June 2019

Master degree

Applied microbiology and immunology

University of Bucharest, Faculty of Biology, ROMANIA

Master degree

Dates
Title of qualification awarded
Principal subjects/occupational skills covered
Name and type of organisation providing education and training
Level in national or international classification

October 2009 – June 2012

Licence (Bachelor in Biology)

Biology

“Alexandru Ioan Cuza” University, Iassy, Faculty of Biology, ROMANIA

Licence (Bachelor)

Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment

European level (*)

Language - French

Romanian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B 2	Experimented user	B 2	Experimented user	B 2	Experimented user	B 2	Experimented user	B 1	Experimented user

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

Social skills and competences

Organisational skills and competences

Ability to work in team and multidisciplinary team

Teacher in several elementary school and high school in Bucharest in biology class – involved in several activities in the schools related to environmental protection, biodiversity conservation, International Day of Earth, International Day of Environment, Meteorological Days, The Danube Days, etc. Good experience in coordinating and organizing the activities with pupils and other teachers.

Technical skills and competences

Used with various techniques of general microbiology, microscopy, biochemistry, molecular biology
Research topics: diversity and phylogeny of halophilic and endolithic microorganisms; ecology of endolithic microorganisms, enzymology of halophilic and endolithic microorganisms.

Computer skills and competences

Word, Excel, Power-Point, NJ-Plot, Clustal, TreeView, ImageX, Adobe, etc.

Other skills and competences

Dinamic person, good organizing the obtained scientific research results, etc.

Driving licence

Yes (B category)

Additional information

- scientific articles in international and national journals – detailed in annex
- oral and poster presentations in conferences and symposia – detailed in annex

References:

dr. **Mădălin Enache**
Department of Microbiology,
Institute of Biology Bucharest of the Romanian Academy, 296 Splaiul Independentei,
060031 Bucharest, Romania
e-mail: madalin_enache@yahoo.com

Annexes

Diplomas, Certificates, Publication list

PhD student - Costin-Nicușor Bătrinescu-Moteau

Annex

LIST OF PUBLICATIONS

PhD Thesis

"Microbial antagonism in extremely environments" – scientific supervisor dr. Cristina Purcarea.

Scientific papers

1. Robert Ruginescu, Ioana Gomoiu, Octavian Popescu, Roxana Cojoc, Simona Neagu, Ioana Lucaci, **Costin Bătrinescu-Moteau**, Madalin Enache, **2020**, Bioprospecting for Novel Halophilic and Halotolerant Sources of Hydrolytic Enzymes in Brackish, Saline and Hypersaline Lakes of Romania, *Microorganisms*, 8(12), 1903.
2. Ruginescu R., Enache M., Popescu O., Gomoiu I., Cojoc R., **Bătrinescu-Moteau C.**, Maria G., Dumbravician M., Neagu S., **2022**, Characterization of Some Salt-Tolerant Bacterial Hydrolases with Potential Utility in Cultural Heritage Bio-Cleaning. *Microorganisms*, 10 (3), 644.
3. **Bătrinescu-Moteau Costin**, Neagu Simona, Lucaci Anca-Ioana, Ruginescu, Robert, Maria Gabriel, Cojoc Roxana, Purcarea Cristina, Podosu Aurelia, Enache Mădălin, **2022**, Preliminary data concerning communities of microorganisms in a volcanic tuff endolytic habitat. *Oltenia. Studii și Comunicări. Științele Naturii*. Tom. 38, No. 1, 168 – 173.
4. **Bătrinescu-Moteau Costin**, Neagu Simona, Lucaci Anca-Ioana, Ruginescu, Robert, Cojoc Roxana, Podosu (Vlad) Aurelia, Purcarea Cristina, Negru Mircea, Enache Mădălin, **2022**, New data on microorganisms isolated from ceramic materials of the Romula archaeological site, Romania. *Oltenia. Studii și Comunicări. Științele Naturii*. Tom. 38, No. 2, 147 – 153.
5. Aurelia Podosu (Vlad), Simona Neagu, Anca Ioana Lucaci, Robert Ruginescu, Roxana Cojoc, **Costin Bătrinescu-Moteau**, Cristina Purcarea, Mădălin Enache, **2023**, Anthropogenic impact on the chemical and microbiological profile of Pasarea river, Romania. *Oltenia. Studii și Comunicări, Seria Științele Naturii*, Tom. 39.
6. **Costin Bătrinescu-Moteau**, Simona Neagu, Oana Cătălina Mocioiu, Anca Ioana Lucaci, Roxana Cojoc, Cristina Purcarea, Aurelia Podosu (Vlad), Maria Zaharescu, Madalin Enache, Robert Ruginescu, **2023**, Evidence of microbial antagonism in volcanic tuff rock. *Romanian Journal of Biology, Plant Biology*, 68, 1-2.
7. Aurelia Podosu (Vlad), Simona Neagu, Anca Ioana Lucaci, Roxana Cojoc, **Costin Bătrinescu-Moteau**, Cristina Purcarea, Madalin Enache, Robert Ruginescu, **2023**, Extracellular hydrolases produced by microorganisms isolated from the polluted river Pasarea, Romania. *Romanian Journal of Biology, Plant Biology*, 68, 1-2.
8. **Bătrinescu-Moteau Costin**, Lucaci Anca Ioana, Neagu Simona, Cojoc Roxana, Purcarea Cristina, Podosu (Vlad) Aurelia, Enache Madalin, Ruginescu Robert, **2023**, Superoxide dismutase activity in microorganisms inhabiting volcanic tuff rock. *Oltenia. Studii și Comunicări, Seria Științele Naturii*, Tom 39.
9. Ruginescu Robert, **Bătrinescu-Moteau Costin**, Lucaci Anca Ioana, Enache Mirela, Cojoc Roxana, Neagu Simona, Enache Madalin, **2023**, Microbiological characterization of raw materials and obtained biodegradable packaging. *Oltenia. Studii și Comunicări, Seria Științele Naturii*, Tom 39.

Posters/Oral presentation/Abstracts/Conference attending

1. **Costin-Nicușor Bătrinescu-Moteau**, Raport de activitate in cadrul studiilor doctorale, Masa rotunda - *Domeniul Archaea – Aspecte microbiologice ale poluării și date despre ecosistemele extremofile și adaptarea microorganismelor la acestea*, 18 mai 2021, Departamentul de Microbiologie, Institutul de Biologie București (prezentare orală).

2. Aurelia Podosu, Simona Neagu, Roxana Cojoc, Robert Ruginescu, Ioana Lucaci, **Costin Bătrînescu-Moteau**, Larisa Florescu, Mirela Moldoveanu, Cristina Purcărea, Mădălin Enache, The seasonal variation of physico-chemical parameters in polluted rivers following anthropogenic input: a study case Pasărea River, International Scientific Symposium *Current Trends in Natural Science*, May 28-30, 2021, Book of abstract pp.53-54, Pitesti, Romania (oral presentation).
3. **Costin Bătrînescu-Moteau**, Ioana Lucaci, Robert Ruginescu, Roxana Cojoc, Simona Neagu, Cristina Purcărea, Mădălin Enache, Characterization of endolithic habitats such as volcanic tuffs in the Teişani and Malul Alb areas colonized by various microorganisms, The Scientific International Conference "*The Museum and Scientific Research*" *Biodivest 2021*, September 16 – 18, 2021, Craiova, România (oral presentation).
4. Aurelia Vlad, **Costin Bătrînescu-Moteau**, Ioana Lucaci, Robert Ruginescu, Roxana Cojoc, Simona Neagu, Cristina Purcărea, Larisa Florescu, Mirela Moldoveanu, Mădălin Enache, The variation of physico-chemical parameters in different seasons in high polluted sectors of the Pasărea River, , The Scientific International Conference "*The Museum and Scientific Research*" *Biodivest 2021*, September 16 – 18, 2021, Craiova, România (oral presentation).
5. **Costin Bătrînescu-Moteau**, Ioana Lucaci, Robert Ruginescu, Simona Neagu, Roxana Cojoc, Cristina Purcărea, Aurelia Vlad, Mădălin Enache, Extracellular hydrolases with biotechnological potential isolated from endolytic microorganisms, *13th Conference on the science and engineering of oxide materials – CONSILOX*, October 1 – 3, 2021, Alba Iulia, Romania (Poster presentation).
6. Mădălin Enache, Robert Ruginescu Simona Neagu, Ioana Lucaci, Roxana Cojoc, Aurelia Vlad, Cristina Purcărea, **Costin Bătrînescu-Moteau**, Stone – habitat for endolithic microorganisms, *13th Conference on the science and engineering of oxide materials – CONSILOX*, October 1 – 3, 2021, Alba Iulia, Romania (Poster presentation).
7. Aurelia Vlad, Simona Neagu, Ioana Lucaci, Roxana Cojoc, **Costin Bătrînescu-Moteau**, Robert Ruginescu, Cristina Purcărea, Mădălin Enache, The pollution effects on some rivers in the presence of new materials, *13th Conference on the science and engineering of oxide materials – CONSILOX*, October 1 – 3, 2021, Alba Iulia, Romania (Poster presentation).
8. Aurelia Vlad, Robert Ruginescu, Simona Neagu, Roxana Cojoc, Anca Ioana Lucaci, **Costin Bătrînescu-Moteau**, Cristina Purcărea, Mădălin Enache, Distribuția anumitor tulpini bacteriene în corelație cu chimismul apei din zone poluate ale râului Pasărea, *A 61-a Sesiune anuală de comunicări științifice*, Institutul de Biologie București al Academiei Române, București, 10 decembrie 2021, prezentare orală
9. **Costin Bătrînescu-Moteau**, Robert Ruginescu, Anca Ioana Lucaci, Simona Neagu, Roxana Cojoc, Aurelia Vlad, Cristina Purcărea, Mădălin Enache, Date noi privind prezența unor microorganisme halofile din izvoare și pârauri sărate din județul Buzău, *A 61-a Sesiune anuală de comunicări științifice*, Institutul de Biologie București al Academiei Române, București, 10 decembrie 2021, prezentare orală
10. Simona Neagu, **Costin Bătrînescu-Moteau**, Anca Ioana Lucaci, Robert Ruginescu, Roxana Cojoc, Aurelia Vlad, Cristina Purcărea, Mădălin Enache, Mircea Negru, Studiul microbiologic asupra unor fragmente prelevate din situl arheologic Romula, din proximitatea orașului Caracal, *A 61-a Sesiune anuală de comunicări științifice*, Institutul de Biologie București al Academiei Române, București, 10 decembrie 2021, prezentare orală
11. Anca Ioana Lucaci, **Costin Bătrînescu-Moteau**, Simona Neagu, Roxana Cojoc, Robert Ruginescu, Aurelia Vlad, Cristina Purcărea, Gabriel Maria, Mihai Anastasescu, Mădălin Enache, Tufurile vulcanice – suport litic pentru dezvoltarea de microorganisme cu potențial biotehologic, *A 61-a Sesiune anuală de comunicări științifice*, Institutul de Biologie București al Academiei Române, București, 10 decembrie 2021, prezentare orală
12. Robert Ruginescu, Ioana Gomoiu, Mădălin Enache, Simona Neagu, Roxana Cojoc, **Costin Bătrînescu-Moteau**, Lavinia Iancu, Cristina Purcărea, Diversitatea microorganismelor halofile și halotolerante izolate din medii acvatice salină și potențialul lor biotehologic, *A 61-a Sesiune anuală de comunicări științifice*, Institutul de Biologie București al Academiei Române, București, 10 decembrie 2021, prezentare orală
13. **Bătrînescu-Moteau Costin**, Neagu Simona, Lucaci Anca Ioana, Ruginescu Robert, Cojoc Roxana, Podosu (Vlad) Aurelia, Purcărea Cristina, Enache Mădălin Investigation of microbial communities from a volcanic tuff endolytic habitat as source of new extremozymes, Conferința internațională BIODIVEST 2022, Craiova, 15 -17 septembrie 2022, prezentare orală
14. Podosu (Vlad) Aurelia, Neagu Simona, Lucaci Anca Ioana, Ruginescu Robert, Cojoc Roxana, **Bătrînescu-Moteau Costin**, Purcărea Cristina, Enache Mădălin, Extracellular hydrolytic activities of microorganisms isolated from the chemically polluted sector of Pasărea River, Conferința internațională BIODIVEST 2022, Craiova, 15 -17 septembrie 2022, prezentare orală
15. Ruginescu R., Gomoiu I., Neagu S., Cojoc R., Lucaci I., **Batrînescu-Moteau C.**, Enache M. Bioprospecting for novel bacterial sources of salt-tolerant enzymes with biotechnological applications, 5th International Conference on Microbial Biotechnology, Chisinau, Republica Moldova, 12-13 octombrie 2022, prezentare orală

16. Enache M., **Batrinescu-Moteau C.**, Ruginescu R., Neagu S., Cojoc R., Lucaci A.I., Aurelia V., Purcarea C. Characterization of some raw materials from several sources for obtaining biodegradable packaging, 5th International Conference on Microbial Biotechnology, Chisinau, Republica Moldova, 12-13 octombrie 2022, prezentare orala
17. **Batrinescu-Moteau C.**, Ruginescu R., Neagu S., Cojoc R., Lucaci A.I., Vlad A., Purcarea C., Enache M. Endolytic Microorganisms from Volcanic Tuff, 5th International Conference on Microbial Biotechnology, Chisinau, Republica Moldova, 12-13 octombrie 2022, prezentare orala
18. M Enache, R. Ruginescu, **C Bătrînescu-Moteau**, S Stefanut, D Murariu, O Popescu, Contributia cercetarilor IBB la dezvoltarea stiintelor biologice din Romania, Simpozionul GEPalade – UMFST 110 ani de la nasterea savantului GEP – traditie si continuitate in cercetarea medicala romaneasca, Targu Mures, 2022, 6-8 decembrie
19. Anca Ioana Lucaci, **Costin Batrinescu-Moteau**, Madalin Enache, Simona Neagu, Roxana Cojoc, Cristina Purcarea, Aurelia Podosu (Vlad), Robert Ruginescu, Antioxidant enzymes of some microorganisms isolated from lytic substrate, Conferința internațională BIODIVEST 2023, Craiova, 7 -9 septembrie 2023, prezentare orala
20. Robert Ruginescu, **Costin Batrinescu-Moteau**, Anca Ioana Lucaci, Roxana Cojoc, Simona Neagu, Madalin Enache, Microbiological characterization of food products and biodegradable packaging, Conferința internațională BIODIVEST 2023, Craiova, 7 -9 septembrie 2023, prezentare orala

Projects

1. Stipendiu in cadrul studiilor doctorale cu tema “Antagonismul microbial in mediile extreme”, 2019 – 2022, Academia Romana
2. Studiul unor microorganisme din medii supuse impactului antropic, 2019-2023, RO1567-IBB05/2019 - 2023, Institutul de Biologie Bucuresti, colaborator ca student doctorand in perioada 2021 – 2023.
3. Dezvoltarea de ambalaje alimentare inovative fara impact negativ asupra mediului ambiant”, cod My SMIS 120994, 2021 – 2023, membru in echipa proiectului (asistent cercetare stiintifica).