



Curriculum Vitae Europass

Personal information

Surname/ First Name	FEDORCA Mihai-Bogdan
E-mail address	mihai.fedorca@unitbv.ro
Nationality	Romanian
Sex	Male

Professional experience

Period	2021 - present
Occupation or position held	Associated professor
Main activities and responsibilities	Wildlife monitoring, Wildlife etology
Employee name and address	Transilvania Univesity of Brasov, Faculty of Silviculture and Foreste Engineering

Education Training

Period	2013 - 2018
Name of awarded qualification	PhD
Name and type of the educational institution	TRANSILVANIA UNIVERSITY OF BRAȘOV - Faculty of Silviculture and Forest Engineering
Period	2011-2013
Name of awarded qualification	Master's degree Diploma
Main disciplines studied/ Professional competences obtained	Silviculture - Forest ecosystem management, wildlife management, ecosystem dynamics
Name and type of the educational institution	TRANSILVANIA UNIVERSITY OF BRAȘOV - Faculty of Silviculture and Forest Engineering
Period	2007 - 2011
Name of awarded qualification	Engineer
Main disciplines studied/ Professional competences obtained	Animal genetics, wildlife management, silviculture.
Name and type of the educational institution	TRANSILVANIA UNIVERSITY OF BRAȘOV - Faculty of Silviculture and Forest Engineering
Period	2009
Name of awarded qualification	Project Manager

Name and type of the educational institution

S.C. INFO EDUCATIA S.R.L

Personal aptitudes and competencies

Mother's tongue(s)

Română

Other language

English

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Writing	
C1	Experimented user	C1	Experimented user	C1	Experimented user	C1	Independent user	C1	Independent user

(*) Common European Framework of Reference for Languages

Social aptitudes and competencies

Team spirit:

- Teamwork experience; participation in proposed activities of practical and research projects conducted at the Faculty; organizational capacity.

Sociable, communicative, adaptative:

- Skills developed, especially during the preparation of project proposals .

Computer aptitudes and competencies

Microsoft Office(Word, Excel,Acces), Windows, ArcMap.

Driving license

A, BE, CE

Awards

Young Opinion Research Award - CIC (International Council for Game and Wildlife Conservation) 2014

First place at the international forestry contest "Forestry versatility", Brno, Cech Republic 2010 and 2011

Diploma "Student of Honour" of the Faculty of Silviculture and Forest Engineering 2010

Experience in national and international projects

Research team leader:

Life Natura 2000 European project: LIFE SAFE CROSSING (LIFE17NAT/IT/000464) in cooperation with Greece, Spain and Italy Granted by the European Commission. Grant: 38 K€

Research team member:

International

BiodivERSa (Networking European Research on Biodiversity – under the Horizon 2020 ERA-NET COFUND scheme): Functional connectivity and ecological sustainability of European ecological networks: a case study with the brown bear (BearConnect), 2017-2020 in cooperation with France, Germany, Poland, Italy and Norway, together with all stakeholders from Europe involved in connectivity and conservation. Grant: 1.25 million € from Horizon 2020 ERA-NET COFUND

Financial Mechanism of the SEE Grants 2009-2014: Ecological corridors for habitats and species in Romania (COREHABS), 2015-2016. Granted by the EEA grants and Ministry of Environment, Forest and Water. Grant: 1.1 million €.

Life Natura 2000 European project: Restoration and improvements of the natural processes for the forests and eutrophic marshes in Harman and Prejmer (LIFE FOR MARSH / LIFE 11 NAT/RO/828), 2012-2017. Granted by the European Commission for INCDS "Marin Dracea". Grant: 1.26 million € from EU

National Authority for Forest Management: Determining the conservation status of the population of capercaillie (*Tetrao urogalus*) in Romania and the necessary measures for species management, 2013-2016. Granted by the National Authority for Forest Management for INCDS "Marin Dracea". Grant: 83 K€

National Authority for Scientific Research and Innovation: Monitoring the conservation status of the brown bears in two pilot areas (NUCLEU), 2011-2014. Granted by the National Authority for Scientific Research and Innovation. Grant: 301K€

Life Natura 2000 European project: Conservation of brown bear (*Ursus arctos*) population in Romania, (LIFE FOR BEAR/ LIFE13 NAT/RO/001154), 2014-2019, Granted by European Commission and led by Ramon JURJ from INCDS "Marin Dracea", Mihai Fedorca is an expert involved in connectivity and conservation, elaborating measures for mitigating the impact of society development and policy advice. Grant: 1.11 million € from EU

National

Executive Agency for Higher Education, Research Development and Innovation (UEFISCDI) Research on protection and development of wildlife resources in order to increase efficiency in the management of wildlife population's economic value in the plains, 2013-2016, Mihai Fedorca is an expert responsible for elaborating modern strategies and policies which can be applied for effective management. Grant: 325K€

National Authority for Scientific Research and Innovation: Improving the conservation status of the beaver, 2014-2016. Granted by the National Authority for Scientific Research and Innovation. Grant: 150K€

National Authority for Scientific Research and Innovation: Mapping the natural and artificial food availability and testing for the brown bear evolutionary potential, 2014-2016. Granted by the National Authority for Scientific Research and Innovation. Grant: 170K€

Ministry of Environment, Forest and Water: Research on estimating large carnivore populations and determining the level of minimum intervention in Romania, 2012-2015. Granted by the Ministry of Environment, Forest and Water. Grant: 120K€

National Authority for European Funds/Sectorial Operational Programme for Environment POSMediu and National Institute of Biology from Bucharest via Romanian Academy of Science, "Monitoring the conservation status of the mammal's species of community interest in Romania", within the project "Monitoring the conservation status of species and habitats in Romania under Article 17 of the Habitats Directive", 2012-2015, granted by the Sectorial Operational Programme for Environment POSMediu. Grant: 837K€

National Authority for European Funds/Sectorial Operational Programme for Environment POSMediu/ Fagaras Mountain Association, "Technical assistance for monitoring the conservation status of mammals species in the Fagaras Mountains", 2013-2015. Grant: 100K€

National Authority for Forest Management: "Increasing the management efficiency of the small game species in the pilot area West plain of Romania", 2013-2016. Granted by the National Authority for Forest Management. Grant: 79K€

Publications ISI

1. Ancuța Cotovelea, Ovidiu Ionescu, Neculae Șofletea, Georgeta Ionescu, Ramon Jurj, George Sîrbu, Marius Popa, **Mihai Fedorca**, Cosmin Mariș, Alexandru Lucian Curtu. Testing the influence of habituation on genetic structure of brown bear (*Ursus arctos*). 2015. *Annals of Forest Research*. Volume 58, Issue 1. Doi: 10.15287/afr.2015.355 (IF = 0.741)
2. **Mihai FEDORCA**, Georgeta IONESCU, Elena CIOCIRLAN, Neculae ȘOFLETEA, Ancuța FEDORCA. 2018. A simple automated approach to obtain DNA from capercaillie, brown bear and wolf faeces. *Conservation Genetic Resources*. <https://doi.org/10.1007/s12686-018-1061-9> (IF = 1.154)
3. H. S. Ericson, Ancuta Fedorca, I. Toderas, Z. Hegyeli, K. Plis, I. Dykyy, B. Jedrzejewska, G.Ionescu, **M. Fedorca**, L. Iacolina, A.V. Stronen. 2019. Genome-wide profiles indicate wolf population connectivity within the eastern Carpathian Mountains. *Genetica*. doi: 10.1007/s10709-019-00083-1 (IF = 1.186)
4. Fedorca Ancuța, I.R.M. Russo, O.Ionescu, G.Ionescu, M.Popa, **M.Fedorca**, A.L. Curtu, N. Șofletea, G.Tabor, M.W. Bruford. Inferring fine-scale spatial structure of the brown bear (*Ursus arctos*) population in the Carpathians before infrastructure development. *Scientific Reports*. 2019. 10.1038/s41598-019-45999-y. (IF = 4.011)
5. **Mihai Fedorca**, Ovidiu Ionescu, Neculae Șofletea, Ancuța Fedorca, Georgeta Ionescu, Alexandru Lucian Curtu. Assessing the genetic structure of capercaillie in Romania. *Annals of Forest Research* DOI:10.15287/afr.2020.2025 (IF = 1.5).
6. Ancuta Fedorca, Marius Popa, Ramon Jurj, Georgeta Ionescu, Ovidiu Ionescu, **Mihai Fedorca**(autor correspondent). Assessing the regional landscape connectivity for multispecies to coordinate on-the-ground needs for mitigating linear infrastructure impact in Brasov – Prahova region. *Journal for Nature Conservation*. Volume 58, December 2020, 125903. <https://doi.org/10.1016/j.jnc.2020.125903> (IF = 2.482).
7. Petru T. Stăncioiu, Mihai D. Niță, **Mihai Fedorca**. 2021. Capercaillie (*Tetrao urogallus*) habitat in Romania – A landscape perspective revealed by Cold War spy satellite images. *Science of The Total Environment*. Volume 781. <https://doi.org/10.1016/j.scitotenv.2021.146763> (IF = 0.418)
8. Ancuta Fedorca, Elena Ciocirlan, Claudiu Pasca, **Mihai Fedorca**, Alexandru Gridan, Georgeta Ionescu. Genetic structure of Eurasian beaver in Romania: insights after two decades from the reintroduction. 2021. *European Journal of Wildlife Research*, 67, Article number: 104. <https://doi.org/10.1007/s10344-021-01546-7> (IF = 1.983).
9. M. Pino García-Sánchez, Sergio González-Ávila, Joaquín Solana-Gutiérrez, Marius Popa, Ramon Jurj, Georgeta Ionescu, Ovidiu Ionescu, **Mihai Fedorca**, Ancuta Fedorca (autor principal și autor correspondent) Sex-specific connectivity modelling for brown bear conservation in the Carpathian Mountains. 2021. *Landscape Ecology* <https://doi.org/10.1007/s10980-021-01367-8> (IF = 3.848)
10. Ancuta Fedorca, **Mihai Fedorca**, Ovidiu Ionescu, Ramon Jurj, Georgeta Ionescu, Marius Popa. Sustainable landscape planning to mitigate wildlife-vehicle collisions. 2021. *Land* 10(7), 737; <https://doi.org/10.3390/land10070737> (IF = 3.395)
11. Ilinca, E.; Fedorca, A.; Baci, I.; **Fedorca, M.**; Ionescu, G. The Road ahead on Implementing Non-Invasive Genetic Monitoring of Multispecies in the Carpathians. *Land* 2022, 11, 2222. <https://doi.org/10.3390/land11122222> (IF = 3.905).

BDI

1. **Fedorca Mihai**, Ionescu Georgeta, Ionescu Ovidiu, Cotovelea Ancuta, Sofletea Neculae. *Initierea tehnicilor geneticii moleculare in analiza populatiei de cocos de munte (Tetrao urogallus) in Romania (Initiation of molecular analyse of capercaillie (Tetrao urogallus) population in România).* Revista de Silvicultură și Cinegetică 2013 Vol.18 No.33 pp.126-128 ref.16.
2. **Mihai Fedorca**, Georgeta Ionescu, Ovidiu Ionescu, Ancuța Cotovelea, Neculae Șofletea, Cosmin Mariș, Tudor Stancioiu. *Assessing the suitable forest habitats for capercaillie in Romania.* 2014. Revista de Silvicultură și Cinegetică. Nr. 35. pag-152.
3. Teșileanu, R.; **Fedorca, M.** Salt-affected soils in Romania: basic notions and actual state. Revista de Silvicultură și Cinegetică 2015 Vol.20 No.37 pp.95-97 ref.11
4. **Mihai Fedorca**, Georgeta Ionescu, Ovidiu Ionescu, Petre Gărgărea, Sabin Bratu, Alexandru Gridan, Cezar Spătaru, Ioana Negrea, Ancuța Fedorca. *Influența habitatului asupra efectivelor de vânat mic în cadrul a 67 de fonduri cinegetice (The influence of habitat concerning the populations of small game from 67 hunting units).* Revista de Silvicultură și Cinegetică 2015 Vol.20 No.37 pp.95-97 ref.11.
5. **Fedorca Mihai**, Ionescu Georgeta, Ionescu Ovidiu, Cotovelea Ancuța, Maris Cosmin. *Eficiența acțiunilor de management implementate în populațiile de vânat mic – Studiu de caz (The management efficiency in small game populations - case study).* 2015. Revista de Silvicultură și Cinegetică. nr. 36, pag 121.
6. **Mihai Fedorca**. *Capercaillie (Tetrao urogallus): history of studies, conservation status, pressures and threats.* Revista de Silvicultură și Cinegetică 2016 Vol.21 No.38 pp.77-80 ref.37.
7. **Mihai Fedorca**, Georgeta Ionescu, Cezar Spătaru, Ancuța Fedorca. *Testarea unei metode complementare de evaluare a populațiilor de vânat mic – studiu de caz Insula Mare a Brăilei (Testing a new method for evaluating small game populations - case study Insula Mare a Brăilei).* Revista de Silvicultură și Cinegetică 2016 Vol.21 No.39 pp.100-103 ref.15.
8. Ancuta Fedorca, **Mihai Fedorca**, Georgeta Ionescu. *Analiza genetică a unor populații de mistreț din zonele Iași și Bolintin (I) (Genetic analyses of some populations of Sus scrofa from Iași and Bolintin zones - Romania (I)).* Revista de Silvicultură și Cinegetică 2017 Vol.22 No.41 pp.82-87 ref.many.
9. **Fedorca Mihai**; Ionescu, G.; Gridan, A.; Sîrbu, G.; Spătaru, C. *Analyzing and mapping the structures which may be used as potential passing corridors by the game species: case study Comarnic-Brașov section.* Revista de Silvicultură și Cinegetică 2017 Vol.22 No.41 pp.93-95 ref.7.
10. Ancuta FEDORCA, Georgeta IONESCU, Simion ION, **Mihai FEDORCA (autor corespondent)**. *Analiza situației traficului în zonele intens circulate din vecinătatea Văii Prahovei.* 2019. Revista de Silvicultura si Cinegetica. nr. 45.
11. **Mihai Fedorca**, Georgeta Ionescu, Flaviu Vodă, Giorgiana Vodă, Ancuța Fedorca. *First virtual fence system installed in Romania for reducing wildlife-vehicle collisions.* 2020. Revista de Silvicultura si Cinegetica. nr. 47.
12. **Mihai FEDORCA**, Marius POPA, Georgeta IONESCU, Flaviu VODĂ, Ramon JURJ, Ancuta FEDORCA. *The favourable permeability of road sectors influences wildlife species crossing successes in Brasov area.* 2021. Revista de Silvicultură și Cinegetică. Nr. 48
13. Ancuta Fedorca, Mihai Fedorca. *Connectivity conservation, ecological networks, and corridors: a review to better understand their applicability in Romania.* 2021. Revista de Silvicultură și Cinegetică. Nr. 48.

Professional organizations membership

1. Commission Member - IUCN WCPA Biodiversity and Protected Areas (din 2017).
2. Commission Member - IUCN WCPA Young Professional (din 2017).
3. Commission Member - IUCN WCPA Science of Management and Biodiversity (din 2017).
4. Commission Member - IUCN WCPA Transboundary Conservation (din 2017).
5. Commission Member - IUCN WCPA Europe Region (din 2017).
6. Commission Member - IUCN WCPA Connectivity Conservation : Network (din

2017).

7. *Infra Eco Network Europe (IENE) (2017- present).*

8. *International Council for Game and Wildlife Conservation (CIC) (din 2018).*

Date: 12.05.2025

Signature