

# CRISTINA FIERA

PhD, Senior Researcher rank II

## **Ecology, Taxonomy and Nature Conservation Department**

**Institute of Biology - Bucharest**

**Romanian Academy**

296 Splaiul Independentei, 060031 Bucharest, PO Box 56-53, ROMANIA

Phone + 4 021 2219202, Fax + 4 021 2219071

email: cristina.ivanescu@ibiol.ro criss\_ivanescu@yahoo.com, **cfiera2013@gmail.com**

**ResearcherID: E-8651-2017** (<http://www.researcherid.com/rid/E-8651-2017>)

[https://www.researchgate.net/profile/Cristina\\_Fiera/publications](https://www.researchgate.net/profile/Cristina_Fiera/publications)

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### **Research interests**

- Collembola (Hexapoda: Collembola): taxonomy, ecology and biogeography
- Nature conservation

### **Background**

05/2015: Course project manager, SC EXTREME TRAINING SRL, Bucharest

11/2005- 04/2012: PhD in Biology, Romanian Academy, Institute of Biology, Bucharest (Summary available at:

[https://www.researchgate.net/publication/310727698\\_Study\\_of\\_Collembola\\_Hexapoda\\_Collembola\\_from\\_Romania\\_taxonomy\\_ecology\\_and\\_biogeography](https://www.researchgate.net/publication/310727698_Study_of_Collembola_Hexapoda_Collembola_from_Romania_taxonomy_ecology_and_biogeography))

09/2003- 06/2005: Master in Ecology, University of Bucharest, Faculty of Biology, Systematic Ecology and Sustainable Development Department

10/1999 – 06/2003: Diploma in Ecology, University of Bucharest, Faculty of Biology

## Positions:

senior researcher rank II, according to the Minister of National Education order no. 199, 05.05.2014 (05/2014-present);

senior researcher rank III (01/2012-04/2014); member in scientific committee of Institute of Biology (November 2013 – present);

researcher (02/2007-12/2011)

research assistant (09/2003- 01/2007).

## Experience in research:

Romanian Academy, Institute of Biology, Bucharest, 29 September 2003- present

## Publications

### PAPERS IN ISI JOURNALS (WEB OF SCIENCE)

1. Hudson L.N., Newbold T., Contu S., Hill S.L.L., Lysenko I., De Palma A., .....**Fiera C.**<sup>175</sup> ..... Purvis A., 2017, The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. *Ecology and Evolution* 7(1): 145–188 (IF: 2,537 in 2015) <http://onlinelibrary.wiley.com/doi/10.1002/ece3.2579/abstract>
2. **Fiera C.**, Habel J.C., Kunz M., W. Ulrich, 2017, Large scale phylogenetic structure of European springtails (Collembola) depends on species range sizes and postglacial colonisation history. *Biological Journal of the Linnean Society* **120(3)**: 664-674 (IF: 1.984 in 2017) <https://academic.oup.com/biolinnean/article-abstract/120/3/664/3055992/Large-scale-phylogenetic-structure-of-European?redirectedFrom=fulltext>
3. **Fiera C.** & Weiner W.M., 2016, Diversity and distribution of *Friesea* genus (Collembola: Neanuridae) in Romania with description of three new species, *Zoological Studies* **55**:44 DOI:10.6620/ZS.2016.55-44 (IF: 0,776 in 2016) <http://zoolstud.sinica.edu.tw/Journals/55/55-43.pdf>
4. Shrubovych J., **Fiera C.**, 2016, New records of Protura from Romania (Entognatha, Arthropoda), with an identification key to the Romanian species, *ZooKeys* **552**: 33–48 (IF: 0,938 in 2016) <http://zookeys.pensoft.net/articles.php?id=6613>
5. Weiner M.W. & **Fiera C.**, 2014, New species of *Deuteraphorura* (Collembola: Onychiuridae) from Romania, *Florida Entomologist* **97(1)**: 247-255 (IF: 1.163 in 2013) <http://www.bioone.org/doi/full/10.1653/024.097.0133>
6. **Fiera C.**, 2014, Detection of food in the gut content of *Heteromurus nitidus* (Hexapoda: Collembola) by DNA/PCR-based molecular analysis, *North-Western Journal of Zoology* **10(1)**: 67-73. (IF: 0.706 in 2013) [http://biozoojournals.ro/nwjz/content/v10n1/nwjz\\_131106\\_Fiera.pdf](http://biozoojournals.ro/nwjz/content/v10n1/nwjz_131106_Fiera.pdf)
7. **Fiera C.**, 2014, Application of stable isotopes and lipid analysis to understand trophic interactions in springtails, *North-Western Journal of Zoology, Zoology* **10(2)**: 227-235. (FI: 0,706 in 2013) [http://biozoojournals.ro/nwjz/content/v10n2/nwjz\\_131107\\_Fiera.pdf](http://biozoojournals.ro/nwjz/content/v10n2/nwjz_131107_Fiera.pdf)
8. **Fiera C.**, Konikiewicz M., Skarżyński D., 2013, *Tetracanthella doftana* sp. nov. (Collembola, Isotomidae) from Romania, with a key to Carpathian *Tetracanthella* Schött, 1891, *Zootaxa* **3691(4)**: 467-472 (IF: 0.974 in 2013) <http://biotaxa.org/Zootaxa/article/view/zootaxa.3691.4.6>

9. **Fiera C.**, Ulrich W., 2012, Spatial distribution patterns of European springtails (Hexapoda: Collembola), *Biological Journal of the Linnean Society* **105**(3): 498- 506 (IF: 2.166 in 2012)  
<http://onlinelibrary.wiley.com/doi/10.1111/j.1095-8312.2011.01816.x/supinfo>
10. Ulrich W., **Fiera C.**, 2010, Environmental correlates of body size distributions of European springtails (Hexapoda: Collembola), *Global Ecology and Biogeography*, **19**: 905- 915 (IF: 5.273 in 2010)  
<http://onlinelibrary.wiley.com/doi/10.1111/j.1466-8238.2010.00565.x/supinfo>
11. **Fiera C.**, 2009, Biodiversity of Collembola in urban soils and the use of them as bioindicators of pollution, *Pesquisa Agropecuaria Brasileira* **44**(8): 868 - 873 (IF: 0.681 in 2009)  
<http://www.scielo.br/pdf/pab/v44n8/v44n8a10.pdf>
12. Ulrich W., **Fiera C.**, 2009, Environmental correlates of species richness of European springtails (Hexapoda: Collembola), *Acta Oecologica* **35**(1): 45-52 (IF: 1.609 in 2009)  
<http://www.sciencedirect.com/science/article/pii/S1146609X08001227>
13. Radwański J.M., **Fiera C.** & W.M. Weiner, 2006, A new species of Protaphorura Absolon, 1901 (Collembola: Onychiuridae: Onychiurinae) from Romania and a redescription of *Protaphorura glebata* (Gisin, 1952), *Annales zoologici* **56**(3): 449- 455 (IF: 0,362 in 2006)  
<http://www.ingentaconnect.com/content/miiz/annales/2006/00000056/00000003/art00002>

#### **Papers in IDB (International Data Base) journals\***

(CAB International, SCIRUS, GENAMICS Journal Seek, DIRECTORY OF OPEN ACCESS JOURNALS (DOAJ), AGRIS, INDEX COPERNICUS, Thomson Reuters Master Journal List, Zoological Record, EBSCO: Academic Search Complete, Smithsonian Institution Libraries, AGRICOLA (The National Agricultural Library, United States Department of Agriculture), The Summon (ProQuest Products), others.

14. **Fiera C.**, Purice D., Maican S., 2013, The communities structure of invertebrate fauna from rape and alfalfa crops (Singureni, Giurgiu county), *Cercetări Agronomice în Moldova* **46**(4): 65-74.  
[http://www.uaiasi.ro/CERCET\\_AGROMOLD/CA4-13-08.pdf](http://www.uaiasi.ro/CERCET_AGROMOLD/CA4-13-08.pdf) (indexed in Index Copernicus)
15. **Fiera C.** & Weiner W. M., 2013, *Protaphorura tetragramata* (Gisin, 1963) and *Kalaphorura carpenteri* (Stach 1920) (Collembola: Onychiuridae) – two new records for Romanian fauna, *Romanian Journal of Biology - Zoology* **58**(1): 3-7.  
<http://www.ibiol.ro/zoology/Volume%2058/PDF%20RJB-Z%2058,%201,%202013.pdf>  
(indexed in: Zoological Record, Thomson Reuters Master Journal List, Index Copernicus)
16. **Fiera C.**, 2013, Species of the genus *Pseudosinella* (Collembola: Entomobryidae) in Romanian fauna, *Acta Oecologica Carpatica* **6**: 63-76  
<http://reviste.ulbsibiu.ro/actaoc/AOCVI2013Papers.pdf> (indexed in: EBSCO: Academic Search Complete- <https://www.ebscohost.com/titleLists/tnh-coverage.htm>)
17. **Fiera C.**, 2013, The structural dynamics of the collembolan communities (Hexapoda: Collembola) from two forest ecosystems located in Doftana Valley (Romania), *Acta Oecologica Carpatica* **6**: 77-84. <http://reviste.ulbsibiu.ro/actaoc/AOCVI2013Papers.pdf> (indexed in: EBSCO: Academic Search Complete- <https://www.ebscohost.com/titleLists/tnh-coverage.htm>)
18. **Fiera C.**, 2011, Species composition of springtails (Hexapoda: Collembola) in cultivated soils of Prahova county (Romania), *Oltenia – Studii și comunicări. Științele naturii* **27**(1): 71-73.  
[http://biozoojournals.ro/oscsn/cont/27\\_1/IZ04.Fiera.fin..pdf](http://biozoojournals.ro/oscsn/cont/27_1/IZ04.Fiera.fin..pdf) (indexed in: EBSCO Academic

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19. **Fiera C.**, 2008a, Collembola (Hexapoda, Collembola) assemblages in Tinovul de la Lăptici –Bucegi Massif (Romanian Carpathians), *Travaux du Museum National D'Histoire Naturelle- Grigore Antipa* **51**: 113–117. <https://www.travaux.ro/web/pdf/193-cristina%20fiera%201.pdf> (indexed in: BIOSIS Previews, Zoological Record, <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=B7&ISSN=1223-2254>, CAB Abstracts)
20. **Fiera C.**, 2008b, Preliminary data on the species diversity of Collembola (Hexapoda, Collembola) along an urban gradient in Bucharest, *Travaux du Museum National d'Histoire Naturelle-Grigore Antipa* **51**: 363 -367. <https://www.travaux.ro/web/pdf/211-cristina%20fiera%202.pdf> (indexed in: BIOSIS Previews, Zoological Record, <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=B7&ISSN=1223-2254>, CAB Abstracts)
21. **Fiera C.**, 2008c, New records of springtails (Hexapoda: Collembola) for Romanian fauna, *Entomologica romanica* **13**: 19-22. [http://er.lepidoptera.ro/13\\_2008/ER13200803\\_Fiera.pdf](http://er.lepidoptera.ro/13_2008/ER13200803_Fiera.pdf) (indexed in: **Zoological Record** - <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=Entomologica%20romanica>)
22. **Fiera C.**, 2007a, A checklist of the Romanian springtails (Collembola), *Folia Entomologica Hungarica* **68**: 1–36. (indexed in: Biosis Citation Index, Zoological record, CAB Abstracts -<http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=Folia%20Entomologica%20Hungarica>).
23. **Fiera C.**, 2007b, The status of biologicaland landscape diversity of collembolan fauna in the Romanian Carpathians, *Studii și Cercetări, Complexul Muzeal Bistrița-Năsăud, Biologie* **12**: 43-54 <http://www.ibiol.ro/en/cerc/Fiera/19.pdf> (indexed in: Zoological records - <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&ISSN=1582-5159>).
24. **Fiera C.**, 2006, A survey of the colembolan fauna of some agroecosystems in a dike island of the lower Danube floodplain (Insula Mare a Brăilei), *Romanian Journal of Biology - Zoology* **51** (1-2): 27- 32. <http://www.ibiol.ro/zoology/Volume%2051/Rev.%20roum.%20biol.%20%20biol.%20anim.,%2051,%201-2,%202006.pdf> (indexed in: Thomson Reuters Master Journal List -<http://scientific.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&ISSN=1843-7761>, Zoological Record), Index Copernicus)
25. Vasiliu-Oromulu L., Paucă-Comănescu M., Onete M., Sanda V., Nicolae C., Ștefănuț S., Șincu D, Honciuc V., Stănescu M., Falcă M., **Fiera C.**, Purice D., Maican .S., Munteanu C., Ion M., 2007-2008, Ecosystemic differentiation of *Quercus petraea* and of mixed *Quercus petraea* and *Fagus sylvatica* deciduous forests from the lower Doftana Valley, *Romanian Journal of Biology – Zoology* **52-53**: 79-105. <http://www.ibiol.ro/zoology/revue52.htm>
26. Dányi L., Traser G, **Fiera C.**, Radwański J. M, 2006, Preliminary data on the Collembola fauna of Maramureș County, *Studia Universitatis Vasile Goldiș, Arad, Seria Stiințele Vieții* **17**: 47- 51. [http://emevi.emk.nyme.hu/fileadmin/dokumentumok/emk/erfaved/Publikaciok/Gyorgy\\_Traser/G\\_yorgy\\_Traser\\_8.pdf](http://emevi.emk.nyme.hu/fileadmin/dokumentumok/emk/erfaved/Publikaciok/Gyorgy_Traser/G_yorgy_Traser_8.pdf) (indexed in: Oxford University's Library, SCOPUS, EBSCO Academic Search Complete (<https://www.ebscohost.com/titleLists/a9h-journals.pdf>), Index Copernicus).

## PAPERS IN OTHER JOURNALS

27. Fiera, C. 2016. Occurrences and taxonomic status of Collembola in Europe. DOI: 10.6084/m9.figshare.3882159 (available at <https://figshare.com/s/eb104db5b31cc22bb005>)

28. Paucă-Comănescu M., Onete M., Stefănuț S., Sincu D., Vasiliu-Oromulu L., Falcă M., Honciuc V., Purice D., Stănescu M., **Fiera C.**, 2005, The biodiversity of alluvial shrubland characteristic for the Câlniștea River, *Proceedings of the Institute of Biology* **7**: 87-109.
29. Sanda V., Vasiliu-Oromulu L., Paucă-Comănescu M., Barabaș N., Falcă M., Honciuc V., Maican S., Stănescu M., Onete M., Biță-Nicolae C., **Fiera C.**, Șincu E. D. & Ion M., 2006a: The ecosystemic study of the pedunculate oak (*Quercus robur*) south part of the Romanian Plain, *Studii și comunicări, Complexul Muzeal de Științele Naturii, Bacău* **21**(1–2): 124-137.
30. Sanda V., Vasiliu-Oromulu L., Paucă-Comănescu M., Barabaș N., Falcă M., Honciuc V., Maican S., Stănescu M., Onete M., Biță-Nicolae C., **Fiera C.**, Șincu E. D. & Ion M. 2006b: Structural characteristics of the biocoenosis in the sessile oak (*Quercus petraea*) forest from South Subcarpathians, *Studii și comunicări, Complexul Muzeal de Științele Naturii, Bacău* **21**(1–2): 138-151.
31. Falcă M., Vasiliu-Oromulu L., Sanda V., Paucă-Comănescu M., Honciuc V., Maican S., Purice D., Dobre A., Stănescu M., Onete M., Biță-Nicolae C., **Fiera C.**, Șincu D., 2005a, The biodiversity of alder forests from mountainous valleys of the Gârbova Massif, *Proceedings of the Institute of Biology* **7**: 15- 31.
32. Falcă M., Vasiliu-Oromulu L., Sanda V., Paucă-Comănescu M., Honciuc V., Maican S., Purice D., Dobre A., Stănescu M., Onete M., Biță-Nicolae C., **Fiera C.**, Șincu D., 2005b, The study of primary and secondary producers from some alder depression forests of the plain zone, *Proceedings of the Institute of Biology* **7**: 33- 47.
33. Paucă-Comănescu, M., Purice D., Onete M., Dihoru Gh., Honciuc V., Oromulu L., Stănescu M., **Fiera C.**, Falcă M., Maican S., Ion M., Munteanu C., 2008b, Alluvial *Salix purpurea* and *Hyppophae rhamnoides* collinar shrubs in Prahova and Doftana zone, *Romanian Journal of Biology-Plant Biology* **53** (2): 97-122.

#### **CHAPTERS IN BOOKS IN INTERNATIONAL/NATIONAL PUBLISHING**

34. Vasiliu-Oromulu L., V. Honciuc, S. Maican, C. Munteanu, M. Stănescu, **C. Fiera**, M. Ion, D. Purice, 2011, Are certain invertebrate species sensitive biondicators of the air pollution? *In: Survival And Sustainability: Environmental Concerns In The 21st Century*, Series: Environmental Earth Sciences, Gökçekus H., Türker U., LaMoreaux J.W. (Eds.), DOI 10.1007/978-3-540-95991-5, Springer-Verlag Berlin Heidelberg, pg. 1023-1035, ISBN 978-3-540-95990-8, 1514 pg; [http://link.springer.com/chapter/10.1007/978-3-540-95991-5\\_97](http://link.springer.com/chapter/10.1007/978-3-540-95991-5_97).
35. Vasiliu-Oromulu L., Sanda V., Honciuc V., Maican S., Munteanu C., Falcă M., **Fiera C.**, Stănescu M., Dumitru M., Răducu D., 2009, Biodiversity conservation issues in anthropized marshlands a two year study of Insula Mare A Brăilei (Ed. By Gökçekuş, H.), *Proceeding of the International Conference on the Environment: Survival and Sustainability*, Nicosia (Lefkoşa), Turkish Republic of Northern Cyprus: Educational Foundation of Near East University, vol. 2, pag. 255-262, Educational Foundation of Near East University Press, ISBN: 2: 978-975-8359-54-7, <http://library.neu.edu.tr/Neutez/6146638715Volume2.pdf>.
36. **Fiera, C.**, Oromulu-Vasiliu L., 2009, The impact of dump on springtails fauna (Collembola) of Râul Mare (Retezat Massif, Romania). *In: Proceeding of the XIII Balkan Mineral Processing Congress*, vol. II, (ed. by Krausz S., Ciobanu L., Cristea C., Ciocan V., Cristea G.), Bucharest, România, Editura Focus Petroșani, p. 689-695, ISBN: 978-973-677-161-3. 974 pg.
37. Paucă-Comănescu M., Onete M., Honciuc V., Oromulu L., Stănescu M., **Fiera C.**, Purice D., Falcă M., Maican S., Șincu D., Ion M., Munteanu C., 2008, Structura unor componente ecosistemice din tufarisurile aluviale colinare, *In: Protecția și restaurarea bio și ecodiversității. Lucr. Conf. Naț. de Ecologie, Mamaia*, 2007, p.: 165 -169, Editura Ars Docendi, ISBN: 978-973-558-315-6.

## CHAPTERS IN BOOKS AT PRESTIGIOUS INTERNATIONAL PUBLISHING HOUSES

38. Manu M., Szekely L., Vasiliu Oromulu L., Bărbuceanu D., Honciuc V., Maican S., **Fiera C.**, Purice D., Ion M., 2015, Bucharest: Kelcey J.G. (Eds.) *In: Vertebrates and Invertebrates of European Cities: Selected Non-Avian Fauna*, Publisher Springer-Verlag New York 700 pp. (cap. 8.), DOI: 10.1007/978-1-4939-1698-6, ISBN 978-1-4939-1697-9, <http://www.springer.com/gp/book/9781493916979>.

## CHAPTERS IN BOOKS AT NATIONAL PUBLISHING HOUSES

39. **Fiera C.**, 2009, Role of Collembola in soil health and their use as indicators, pp. 86-94. *In: Species monitoring in the central parks of Bucharest*, Crăciun I. (Eds.), Ed. Ars Docendi, Universitatea din București, 122 pp., ISBN: 978-973-558-392-7. [http://www.ibiol.ro/publicatii/imagini/pdf/Species%20Monitoring\\_7.04%20B5.pdf](http://www.ibiol.ro/publicatii/imagini/pdf/Species%20Monitoring_7.04%20B5.pdf)

## **OTHER PAPERS: PUBLISHED ABSTRACTS**

### a) **in Romania:** 11

1. **Fiera C.**, 2008a, Fauna edafică de colembole din soluri sărăturate de la Praid și Sovata, p. 27, *In: Enache M., Zamfir M., Ștefănuț S. (eds.), A 48-a Sesiune Anuală de Comunicări Științifice*. Editura Ars Docendi, București, ISBN 978-973-558-388-0.
2. **Fiera C.**, 2008b, Studiul comunităților de colembole din tufărișurile și pădurile de pe stâncăriile din valea Prahovei și Doftanei, p. 28, *In: Enache M., Zamfir M., Ștefănuț S. (eds.), A 48-a Sesiune Anuală de Comunicări Științifice*. Editura Ars Docendi, București, ISBN 978-973-558-388-0.
3. Onete M., Paucă-Comănescu M., Gomoiu I., Cobzaru I., Honciuc V., Manu M., Vasiliu-Oromulu L., **Fiera C.**, Ion M., Ștefănuț S., Purice D., Mogîldea D.E., 2008, Bioindicatorii poluării aerului din parcurile centrale din București, p.19. *In: Enache M., Zamfir M., Ștefănuț S. (eds.), A 48-a Sesiune Anuală de Comunicări Științifice*. Editura Ars Docendi, București, ISBN 978-973-558-388-0.
4. **Fiera C.**, Eitzinger B., Scheu S., 2009, Analyzing feeding preferences of springtails using molecular methods, p. 47. *In: Enache M., Ștefănuț S., Zamfir M. (eds.), A 49-a Sesiune Anuală de Comunicări Științifice*. Editura Ars Docendi, București, ISBN 978-973-558-441-2.
5. Onete M., Paucă-Comănescu M., Gomoiu I., Ion M., Vasiliu-Oromulu L., Purice D., Cobzaru I., Mogîldea D.E., Ștefănuț S., Honciuc V., Manu M., Maican S., **Fiera C.**, 2010, Ecological studies in Bucharest as the base for urban planning, p. 92-94. *In: Enache M., Ștefănuț S., Zamfir M. (eds.), The Anniversary Conference of the Institute of Biology. 50 years of Academic Research in Biology*, Editura Ars Docendi, București, ISBN 978-973-558-504-4.
6. **Fiera C.**, 2010, Development and progress in Collembola research in Romania, p. 118 -119. *In: Enache M., Ștefănuț S., Zamfir M. (eds.), The Anniversary Conference of the Institute of Biology. 50 years of Academic Research in Biology*, Editura Ars Docendi, București, ISBN 978-973-558-504-4
7. **Fiera C.**, Bacal S., Bușmachiu G., Maican S., Calestru L., 2010, Diversitatea specifică a faunei de nevertebrate (Collembola, Coleoptera) din unele agrocenoze din România și R. Moldova p. 35, *In: A 50-a Sesiune anuală de Comunicări științifice*, publicat on-line: [http://www.ibiol.ro/sesiune/2010s/Rezumate\\_volum%20dePOSTERE\\_50.pdf](http://www.ibiol.ro/sesiune/2010s/Rezumate_volum%20dePOSTERE_50.pdf)
8. Onete M., Ion R., Manu M., Honciuc V., **Fiera C.**, Purice D., Maican S., Ion M., Cobzaru I., Mogildea D.E., Nicolae C.D., 2010, Caracterizarea diversității specifice a zonelor

adiacente stâncăriilor de la Brebu (Valea Doftanei) p. 27-29, *In: A 50-a Sesiune anuală de Comunicări științifice publicat on-line:*

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9. **Fiera C.**, Maican S., 2011, Entomofauna unor culturi agricole din Câmpia Română, p. 69, *In: Enache M., Ștefănuț S., Zamfir M. (eds.), A 51-a Sesiune anuală de comunicări științifice*, Editura Ars Docendi, București, ISBN: 978-973-558-598-3.
10. Maican S., **Fiera C.**, 2012, Specific diversity of entomofauna (Collembola, Coleoptera) from Sărata-Monteoru forest (Buzău County), p. 88. *In: Popescu O., Enache M., Zamfir M., Ștefănuț S. (eds.), A 52-a Sesiune anuală de comunicări științifice*, Editura Ars Docendi, București, ISBN: 978-973-558-655-3.
11. **Fiera C.**, Maican S., Purice D., 2012, The communities structure of invertebrates fauna from rape and alfalfa crops, p. 84-85. *In: Popescu O., Enache M., Zamfir M., Ștefănuț S. (eds.), A 52-a Sesiune anuală de comunicări științifice*, Editura Ars Docendi, București, ISBN: 978-973-558-655-3.

#### b) **in abroad:** 2

12. **Fiera C.**, 2009, Structure and seasonal dynamics of Collembola communities inhabiting soil and rocky “floras” from Prahova and Doftana Valleys (Romania), pp. 169. *In: “2<sup>nd</sup> European Congress of Conservation Biology. Conservation Biology and beyond: from science to practice (Book of abstracts), Miko L. & Boitani L. (Eds.), published by Czech University of Life Sciences, Prague, Czech Republic, 248 pp, ISBN: 978-80-213-1962-2.*

13. Bacal S., Bușmachiu G., Maican S., **Fiera C.**, 2011, Invertebrates (Collembola, Coleoptera) from Brassica napus culture in comparative aspects between the Republic of Moldova and Romania, pp. 85. *In: Actual problems of protection and sustainable use of the animal world diversity and ecological networks – introduction to experience and approaches. The materials of International Conference of Zoologists dedicated to the 50<sup>th</sup> anniversary from the foundation of Institute of Zoology of ASM, Chișinău, Republic of Moldova, ISBN: 978-9975-4248-2-0.*

**CITATIONS IN WEB OF SCIENCE:** 59; Hirsh-index: 4.

### **Projects**

#### **As Principal Investigator (PI):**

1. PN II Capacities Programme (Module III) - Bilateral Cooperation among Romania and Republic of Moldova, 2010-2012, *The importance of forest strips for maintaining biological diversity of the entomofauna in agrocenoses, their role for protecting the beneficial insects and also for biological control of those which are considered pests in both countries: Republic of Moldova and Romania*, budget: 6740 Euro.
2. SYNTHESYS Programme, PL-TAF-1036, host institution: Museum and Institute of Zoology, Polish Academy of Science, Warsaw, Poland, 1 month- May 2008, *Vulnerability assessment of Collembola communities from some ecosystems in Romanian Carpathian Mountains under global climatic changes*”, Budget: 1000 Euro.

## **PARTICIPANT IN RESEARCH PROJECTS:**

### **NATIONAL PROJECTS:**

1. RA-IBB, Management of biodiversity of Romania, 2004.
2. RA-IBB, Biodiversity of alluvial shrubs ecosystems, 2004.
3. RA-IBB, Biodiversity of the oak forestry ecosystems and hill shrubs from Muntenia Region, 2005-2007.
4. RA-IBB, Inventory and delimitation of natural habitats of Romania in order to elaborate the network of protected areas Natura 2000, 2005-2007.
5. CNCSIS (A Consortium), Dynamics of the structure and the function of socio- economic ecosystems, 2005-2007.
6. PNCDI – AGRAL, The improvement of the Danube bottom land: Insula Mara a Brailei. Analyse and characterization of the present stage of the biodiversity (flora, fauna, vegetation, antropical factors), 2005-2006.
7. RA-IBB, Biodiversity from rocky ecosystems and the influence of global climate on evolution of biological diversity, 2008-2011.
8. AR-IBB, Taxonomy and corology of some species from Romanian flora and fauna, 2012-2013.
9. 2014, Taxonomy and sozology of species from Romanian flora and fauna, 2014-2017.

IBB-RA: Institute of Biology, Romanian Academy; CNCSIS- Consiliul Național al Cercetării Științifice din Învățământul Superior (PNCDI – AGRAL: Planul Național de Cercetare, Dezvoltare și Inovare - Agricultură-Alimentație; UEFISCDI- Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării

### **INTERNATIONAL PROJECTS:**

**June 2015-Mai 2016** Norwegian grants (EEA): Strategii de restaurare a ecosistemelor de turbarie degradate din Romania (PeatRO)/ Restoration strategies of degraded bog ecosystems from Romania function: **Asistent manager** (buget: 995.161,47 EURO).

**2013-2014** BiodivERsA/FACCE-JPI joint call for research proposals, *Biodiversity-based ecosystem services in vineyards (VineDivers)*, Participant as **expert** on Collembola group;

**2014-present** U.K. Natural Environment Research Council grants - PREDICTS (*Projecting Responses of Ecological Diversity In Changing Terrestrial Systems*) – Participant as **expert** on Collembola group;

LIFE Programme, EU, LIFE AIR-AWARE: AIR Pollution ImpAct Surveillance and Warning System for URban Environment – beneficiary: National Administration of Meteorology (NAM), 2005-2006, participant.

### **Other scientific activities**

#### **Short-term visits in abroad**

- a) **Under Interacademic Exchange Programme**



**30 May-14 June 2005, Slovak**, Institute of Zoology, Academy of Science of Slovak Republic, Kosice

**11- 31 July 2005, Russia**, Institute of Ecology and Evolution, RAS, Moscow, Russia

**7 –30 Oct. 2005 and 6-19 November 2011, Poland**, Institute of Sistematics and Animal Evolution, PAS, Krakow, Poland

**19.06.2006 –02.07.2006, Czech Republik**, Institute of Soil Biology, Academy of Sciences of the Czech Republic, České Budějovice

**2011, 2012, 2013 (2-3 weeks), Poland**, Institute of Sistematics and Animal Evolution, PAS, Krakow, Poland.

#### **b) Other international collaborations**

**5-25 May 2008, Poland**, Musseum and Institute of Zoology, Varşovia, Polish Academy of Science, Project title: „*Vulnerability assessment of Collembola communities from some ecosystems in Romanian Carpathian Mountains under global climatic changes*”, under SYNTHESYS fellowship;

**10-20 October 2010, Republic of Moldova**, Institute of Zoology, Academy of Science of Republic of Moldova, under bilateral project between Moldova and Romania, PN II- CAPACITIES.

#### **NATIONAL AND INTERNATIONAL CONFERENCES:**

##### **International conferences (selective)**

1. 15<sup>th</sup> international scientific conference – Uzhhorod Entomological Reading, Uzhhorod, Ukraine, 25-27 September 2015.
2. **International Conference of Zoologists, dedicated to the 50<sup>th</sup> anniversary from the foundation of Institute of Zoology of AŞM**, Actual problems of protection and sustainable use of the animal world diversity and ecological networks – Introduction to experience and approaches, 13-14 October 2011, Chişinău, R. of Moldova, 2011.
3. **2<sup>nd</sup> European Congress of Conservation Biology**, Praga, Czech Republic, 1–5 September 2009.
4. **The XIII<sup>th</sup> Balkan Mineral Processing Congress**, Bucharest, Romania, 14–17 June, 2009.
5. **The XII International Colloquium on Apterygota**, Curitiba, Brazilia, 1-2 September, 2008.
6. **International Conference of Environment: Survival and Sustainability**, Nikosia, Cypru, February 2007.
7. **Fidon Symposium, Importance of anthropogenic interventions for restoring river habitat**, Wien, Austria, 16-18 January, 2006.

##### **National Conferences (selective):**

1. Annual sesion of scientific communications „Ecosinteze și etnosinteze carpatine” (in Romanian), Piteşti, Argeş County, 28.10.2004- 29.10.2004.
2. Annual sesion of scientific communications of Institute of Biology, Bucharest, 2004-2012.
3. Annual sesion of scientific communications of „Grigore Antipa” National Musseum, Bucharest, 4-6.12.2006.

4. Annual conference of ecology “Protecția și restaurarea bio și ecodiversității (in Romanian), Mamaia 11-14.10.2007.

5. The international scientific conference “Museum and Scientific research”, Muzeul Olteniei, Craiova, 22-24.09.2011.

#### **REVIEWER OF JOURNALS:**

**a) journals in international databases:** *American Journal of Environmental Engineering*; *Research in Zoology*; *International Resources and Environment*; *International Journal of Agriculture and Forestry* (since 2013);

**b) journals covered by Web of Science:** *Environmental pollution* (since 2016); *Zoosystema* (since 2016); *Biologia* (since 2015); *Turkish Journal of Zoology* (since 2014); *Zootaxa* (since 2014); *International journal of biodiversity and conservation* (since 2012).

#### **IMPORTANT ACHIEVEMENTS**

- description of **7 new species for science from Collembola** group: *Protaphorura ionescui* (Radwański, Fiera & Weiner, 2006), *Tetracanthella doftana* Fiera, Konikiewicz, Skarżyński, 2013, *Deuteraphorura diana* Weiner & Fiera, 2014, *D. doftana* Weiner & Fiera, 2014; *Friesea mirceai* Fiera & Weiner, 2016; *Friesea posada* Fiera & Weiner, 2016; *Friesea stampa* Fiera & Weiner, 2016;

- reporting of **16 species of Collembola, new for Romanian fauna**: *Hemisotoma orientalis* (Stach, 1947), *Ceratophysella stercoraria* (Stach, 1963), *Neotullbergia ramicuspis* (Gisin, 1953, *Friesea truncata* Cassagnau, 1958, *Cryptopygus debilis* (Cassagnau, 1959), *Isotoma anglicana* Lubbock, 1862, *Deutonura albella* (Stach, 1920), *Neanura minuta* Gisin, 1963, *Protaphorura sakatoi* (Yosii, 1966, *P. tetragramata* (Gisin, 1963), *Kalaphorura carpenteri* (Stach, 1920), *Superodontella ruta* Kaprus & Weiner 2007 și *Pseudosinella moldavica* da Gama & Busmachi 2002, *Thalassaphorura encarpata* (Denis 1931); *Superodontella andrzejii* Kaprus, 2009, *Superodontella tyverica* Kaprus, 2009.

- reporting of **12 species of PROTURA, new for Romanian fauna** (in collaboration with Dr. Julia Shrubovych (*State Museum of Natural History, Ukrainian National Academy of Sciences, L'viv, Ukraina*): *Proturentomon minimum* (Berlese, 1908), *Acerentulus alni* Szeptycki, 1991; *Acerentulus exiguus* Condé, 1944; *Acerentulus halae* Szeptycki, 1997; *Acerentulus xerophilus* Szeptycki, 1979; *Acerentulus* sp. *cunhai*-group; *Acerentomon carpaticum* Nosek, 1961; *Eosentomon carpaticum* Szeptycki, 1985; *Eosentomon enigmaticum* Szeptycki, 1986; *Eosentomon pinetorum* Szeptycki, 1984; *Eosentomon silvaticum* Szeptycki, 1986; *Eosentomon stachi* Rusek, 1966;

#### **NATIONAL PHD RESEARCH FELLOWSHIPS:**

„The ecological and integrated knowledge of Collembola communities (Hexapoda: Collembola) from Romania, especially those from urban and periurban ecosystems”, funding agency: CNCSIS, No: 238/2006, 2340 Euro, 2006-2008, **Principal Investigator**.

## **INTERNATIONAL PHD RESEARCH FELLOWSHIPS:**

„Trophic niche differentiation of Collembola communities”, funding agency: DAAD (Deutscher Akademischer Austausch Dienst), host institution: University of Göttingen, Germany, 3400 Euro, September-November 2009, **Principal Investigator**.

**2016 Romanian Academy Prize „GRIGORE ANTIPA”** for a selected set of papers published between 2006-2014, regarding classical taxonomy, ecology and biogeography of edaphic communities (Collembola group) with practical application in soil biology, agriculture, forestry and conservation”.

## **OTHER RESPONSABILITIES IN THE INSTITUTE**

**2013-** member in The scientific Council of Institute of Biology Bucharest

### **Membership in scientific organizations**

- Romanian Ecological Society (since 2004)
- National Society for soil science (since 2009)
- Romanian Lepidopterological Society (since 2009)
- Balkan Environmental Association (since 2009)
- Society for Conservation Biology (since 2009).
- The Systematics Association (since 2014).

## **CAREER BREAKS:**

**01.03.2016-30.04.2016** (2 months) - Maternity leave: twins girls;

**01.02.2007-1.03.2008** (13 months) - Maternity leave: one girl.