

Curriculum vitae

PERSONAL INFORMATION

First name / Surname **Lucian FUSU**
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E-mail lucfusu@hotmail.com
Nationality Romanian
Date of birth 28.11.1980

WORK EXPERIENCE

2011– **Lecturer.** Faculty of Biology, Alexandru Ioan Cuza University of Iasi, Romania.
• Research and teaching
• Undergraduate courses: Animal Cell
• Postgraduate courses: Phylogeography, Animal Cell Cultures in Biotechnology
2012–2013 **Postdoctoral Researcher.** Faculty of Biology, Alexandru Ioan Cuza University of Iasi, Romania.
2008–2011 **University assistant.** Faculty of Biology, Alexandru Ioan Cuza University of Iasi, Romania.
2003–2008 **University instructor.** Faculty of Biology, Alexandru Ioan Cuza University of Iasi, Romania.

EDUCATION AND TRAINING

2002–2009 **PhD** in *Biology, cum laude*, Faculty of Biology, Al. I. Cuza University of Iasi, Romania.
Minister's order no 4698/14.08.2009.
2002–2004 **MSc** in *Molecular Genetics*, Faculty of Biology, Al. I. Cuza University of Iasi, Romania.
2003–2004 **Erasmus fellowship**, *Molecular Evolutionary Genetics Laboratory*, Vigo University, Spain.
1998–2002 **BSc** in *Biology*, Faculty of Biology, Al. I. Cuza University of Iasi, Romania.

Title of the PhD thesis ***Genetic aspects of the phylogenesis in Encyrtidae and Eupelmidae wasps (Hymenoptera, Chalcidoidea)***

PERSONAL SKILLS AND COMPETENCES

Mother tongue **Romanian**

Other languages*

(self-assessment)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	B2
French	C1	C1	C1	C1	B2
Spanish	C1	C1	B2	B2	B2
Russian	C2	C2	B2	C1	B2

* [Common European Framework of Reference for Languages](#)
Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Computer skills and competences

PAUP*, MrBayes, RAxML, MEGA, R, Staden, Modeltest, Phylip, BEAST, Structure, Partition Finder, Adobe Photoshop, Zerene Stacker etc.

Technical skills and competences

Molecular biology techniques (DNA and protein extractions, PCR, DNA and alloenzyme electrophoresis, DNA sequencing, sequence analysis, molecular cloning, etc.); phylogenetic analysis of molecular and morphological data, microscopy techniques, scientific collections management, data analysis, organisation of scientific expeditions; field research.

Driving licence

B / B1

SCIENTIFIC ACTIVITY

Research grants awarded

- Bilateral cooperation Romania-France, Brîncuși-Hubert Curien Partnership (director): *Integrative taxonomy of parasitoid assemblages of forestry and agricultural pests with emphasis on the chestnut gallwasp, Dryocosmus kuriphilus*. IntegPar. 89BM/2017, PN-III-P3-3.1-PM-RO-FR-2016-0062 (2017–2018).
- Internal grant GI-02-2015 awarded by the Al. I. Cuza University (director): *Molecular taxonomy of beneficial parasitic microhymenoptera using DNA sequences* (2015–2016).
- Postdoctoral fellowship (Al. I. Cuza University / internship at the Natural History Museum, London): *Molecular biology and genetics: tools for the taxonomy of parasitoid wasps*. POSDRU/89/1.5/S/63663 CommScie (2012–2013).
- SYNTHESYS grant HU-TAF-2949: *Establishing the taxonomic status of Calosota lixobia Erdos, C. lixobia var. hyperparasita, and C. lixobia var. morellistenae Erdos (Hymenoptera, Eupelmidae)*. Financed by European Community Research Infrastructure Action under the FP7 “Structuring the European Research Area” Programme. Hungarian Natural History Museum, Budapest (2013).
- SYNTHESYS grant ES-TAF-1816: *A revision of Calosota obscura species complex using an integrative approach*. Financed by European Community Research Infrastructure Action under the FP7 “Structuring the European Research Area” Programme. Museo Nacional de Ciencias Naturales, Madrid (2012).
- SYNTHESYS grant FR-TAF-1155: *Revision of Afrotropical species of Eupelmus, subgenus Macroneura (Hymenoptera, Chalcidoidea, Eupelmidae)*. Financed by European Community Research Infrastructure Action under the FP7 “Structuring the European Research Area” Programme. Muséum National d’Histoire Naturelle, Paris, France (2011).
- The Percy Sladen Memorial Fund grant, Linnean Society, London (project leader): *Invertebrate fauna biodiversity of Wetland Kerkini National Park. Insecta: Hymenoptera (Chalcidoidea and Proctotrupoidea) and Coleoptera (Cerambycidae)* (2010).
- SYNTHESYS grant GB-TAF-490: *Tracing the geographical origin of Eupelmus vesicularis, a widespread parasitoid of economically important insects, and a molecular taxonomic analysis of the Eupelmus vesicularis species-complex*. Financed by European Community Research Infrastructure Action under the FP7 “Structuring the European Research Area” Programme. Natural History Museum, London, UK (2010).
- SYNTHESYS grant GB-TAF-4479: *Revision of Palearctic species of the subgenus Macroneura, genus Eupelmus (Hymenoptera: Chalcidoidea, Eupelmidae) with particular consideration of Eupelmus vesicularis species complex*. Financed by European Community Research Infrastructure Action under the FP6 “Structuring the European Research Area” Programme. Natural History Museum, London, UK (2008).

Participation in research grants
(member of the research team / collaborator)

- *Enhanced biological control through integrated taxonomy: the case of the invasive green vegetable bug *Nezara viridula* (Insecta: Hemiptera) and its parasitoids (Insecta: Hymenoptera).* NEVPIT. Grant 24/12.07.2017, PN-III-P4-ID-PCE-2016-0233 – member of research team (2017–2019).
- *An integrative approach to understanding the evolution and systematics of Chalcidoidea: A recent megaradiation of Hymenoptera.* National Science Foundation–NSF, USA, grant 1555053 – collaborator (2016–2019).
- *Parasitoids of synanthropic flies: advanced identification methods using an integrated approach.* Grant PN-II-RU-TE-2012-3-0057 – member of research team (2013–2016).
- *Monitoring the conservation status of species and habitats in Romania based on article 17 of the Habitats Directive. Services for monitoring the conservation status of invertebrate species of community interest in Romania.* POS Mediu – key expert (2014–2015).
- *Conservative management of the Natura 2000 sites under the custodianship of the Țării Crișurilor Museum.* Project code: SMIS CSNR 42800 – entomologist (2014).
- *Technical assistance services for the inventory and cartography of species and habitats in the project “Biodiversity conservation in Olt county”.* Project code SMIS-CSNR 37487 – entomologist (2014).
- *Servicii de realizare studii de inventariere și evaluare a stării de conservare a speciilor și habitatelor și recomandări de management în cadrul proiectului “Îmbunătățirea stării de conservare a speciilor și habitatelor de importanță comunitară din Parcul Național Călimani”.* Cod proiect: SMIS CSNR 36094 – expert (2013–2014).
- *Amelioration of the conservation status of *Tetrao tetrix* (blackcock) in the Călimani National Park.* Contract no1542/14.10.2010. Project code: SMIS CSNR 1265 – expert (2010–2013).
- *Production and physicochemical and biological characterisation of some steroidal-glycosidic vegetal extracts.* Grant CEEEX 110/2006 BIOTECH grant – member of research team (2006–2009).
- *Mycotoxin induced apoptosis modulation in cell lines.* Grant CEEEX 82/2006 DAPOMAL – member of research team (2006–2009).
- *Characterization of bioactive principles of plant and fungal origin with cytostatic, immunomodulatory, metabolic and neurotropic action and their application in functional food.* CEEEX 15/2005 AGRAL grant – member of research team (2005–2008).
- *Sustainable development and biodiversity conservation in Rarau-Giumalau Mountains.* Global Environment Facility grant, SGP, ROM/05/07 – member of research team (2005–2006).
- *Green boundaries.* Environmental Partnership Foundation for Eastern Europe grant, Miercurea Ciuc (MA 60/2003) – volunteer (2003–2004).

Publications

34 full length papers (of which **20 in peer-review journals with impact factor—ISI—with 16 as principal author**); 15 in abstracts volumes of international conferences; **4 book chapters**; **1 monograph (ANNEX 1)**.

International conferences
(selected)

- XXV International Congress of Entomology, September 25–30 2016, Orlando, Florida, **USA**.
- The Seventh International Zoological Congress of "Grigore Antipa" Museum, CZGA 2015, November 18–21 2015, Bucharest, **Romania**.
- 10th European Congress of Entomology, August 3–8 2014, York, **UK**.
- The Sixth International Zoological Congress of "Grigore Antipa" Museum, CZGA 2014, November 19–21 2014, Bucharest, **Romania**.
- Entomological Society of America Annual Meeting, November 9–14 2013, Austin, Texas, **USA** (co-author of a presentation).
- ICZEGAR 2012, June 18–22 2012, Athens, **Greece**.
- The Fourth Annual Zoological Congress of "Grigore Antipa" Museum, CZGA 2012, November 21–23 2012, Bucharest, **Romania**.
- Biosystematics Berlin 2011, February 21–27 2011, **Germany**.
- International Conference of Zoologists dedicated to the 50th anniversary from the foundation of Institute of Zoology of ASM, October 13–14 2011, Chisinau, **Moldova**.
- Seventh International Congress of Hymenopterists June 20–26 2010, Kőszeg, **Hungary**.
- Genetic and Genomic approaches for Parasitoid Behavioural Ecology. Workshop BEPAR, June 5–6 2008, Institute of Evolutionary Biology, Edinburgh University, **UK**.
- XX Internationalen Symposiums für Entomofaunistik in Mitteleuropa (SIEEC), May 26–30 2007, Cluj, **Romania**.

Affiliations

International Society of Hymenopterists: <http://www.hymenopterists.org/>

Visiting scientist

- **Norway**: NINA - Norwegian Institute for Nature Research, Trondheim (2017)
- **Republic of South Africa**: Iziko South African Museum, Cape Town (2017)
- **South Korea**: Yeungnam University, Dpt of Life Sciences, Gyeongsan (2016)
- **Canada**: Agriculture and Agri-Food Canada, Canadian National Collection of Insects (CNC) (2015)
- **France**: CIRAD, Centre de Biologie pour la Gestion des Populations, Montferrier-sur-Lez, Montpellier (2013, 2015, 2017)
- **France**: Institut Sophia Agrobiotech, Sophia Antipolis (2014, 2017)
- **UK**: Natural History Museum, London (2008, 2010, 2013, 2014)
- **Hungary**: Hungarian Natural History Museum, Budapest (2013)
- **Austria**: Wiener Naturhistorische Museum, Viena (2012)
- **Spain**: Museo Nacional de Ciencias Naturales, Madrid (2012)
- **Sweden**: Station Linné, Ölands Skogsby, Third Hymenoptera Workshop (2011)
- **France**: Muséum National d'Histoire Naturelle, Paris (2011)
- **Czech Republic**: Prague National Museum, Entomology Department (2009)
- **Sweden**: Naturhistoriska Riksmuseet, Stockholm (2008)

Annex 1. List of scientific publications

In peer-review journals with impact factor

1. **Fusu L.**, Park D.-Y. & Lee J.-W. **2018**. First record of *Balcha* Walker (Hymenoptera, Eupelmidae) in South Korea with the description of one new species. *Journal of Asia-Pacific Entomology* 21: 329–334.
2. **Fusu L.** **2017**. An integrative taxonomic study of European *Eupelmus* (*Macroneura*) (Hymenoptera, Chalcidoidea, Eupelmidae), with a molecular and cytogenetic analysis of *Eupelmus* (*Macroneura*) *vesicularis*: several species hiding under one name for 240 years. *Zoological Journal of the Linnean Society* 181: 519–603.
3. **Fusu L.** & Polaszek A. **2017**. Description, DNA barcoding and phylogenetic placement of a remarkable new species of *Eopelma* (Hymenoptera: Eupelmidae) from Borneo. *Zootaxa* 4263 (3): 557–566.
4. **Fusu L.** & Ribes A. **2017**. Description of the first Palaearctic species of *Tineobius* Ashmead with DNA data, a checklist of world species, and nomenclatural changes in Eupelmidae (Hymenoptera, Chalcidoidea). *European Journal of Taxonomy* 263: 1–19.
5. Gibson G.A.P. & **Fusu L.** **2016**. Revision of the Palaearctic species of *Eupelmus* (*Eupelmus*) Dalman (Hymenoptera: Chalcidoidea: Eupelmidae). *Zootaxa* 4081: 1–331 (Monograph; ISBN 978-1-77557-895-6).
6. Al khatib F., Cruaud A., **Fusu L.**, Genson G., Rasplus J.-Y., Ris N. & Delvare G. **2016**. Ecological differentiation in the "*Eupelmus urozonus* species group" (Hymenoptera, Eupelmidae) in the West-Palaearctic: first insights based on a multi-locus phylogeny and reliable host records. *BMC Evolutionary Biology* 16: 13.
7. Gherghel, I., Sotek, A., Papeş, M., Strugariu, A. & **Fusu, L.** **2016**. Ecology and biogeography of the endemic scorpion *Euscorpius carpathicus* (Scorpiones: Euscorpiidae): a multiscale analysis. *Journal of Arachnology*, 44(1): 88-91.
8. Chinan V. & **Fusu L.** **2016**. First record of *Mycena plumipes* in Romania, with notes on its presence on pine cones. *Mycotaxon* 131(1): 17-24.
9. **Fusu L.**, Ebrahimi E., Siebold C. & Villemant C. **2015**. Revision of the Eupelmidae Walker, 1833 described by Jean Risbec. Part 1: the slide mounted specimens housed at the Muséum national d'Histoire naturelle in Paris. *Zoosystema* 37 (3): 457-480.
10. Al Khatib F., **Fusu L.**, Cruaud A., Borowiec N., Rasplus J.Y., Ris N. & Delvare G. **2015**. Availability of eleven species names of *Eupelmus* (Hymenoptera, Eupelmidae) proposed in Al khatib et al. (2014). *Zookeys* 505: 137-145.
11. Chinan V., **Fusu L.** & Mânzu C. C. **2015**. First record of *Inocutis tamaricis* in Romania with comments on its cultural characteristics. *Acta Botanica Croatica* 74(1): 187-193.

12. Al Khatib F., **Fusu L.**, Cruaud A., Borowiec N., Rasplus J.Y., Ris N. & Delvare G. **2014**. An integrative approach to species discrimination in the *Eupelmus urozonus* complex (Hymenoptera, Eupelmidae), with the description of 11 new species from the Western Palaearctic. *Systematic Entomology* 39 (4): 806-862.
13. Polaszek A., Ayshford T., Yahya B.E. & **Fusu L.** **2014**. *Wallaceaphytis*: an unusual new genus of parasitoid wasp (Hymenoptera: Aphelinidae) from Borneo. *Journal of Natural History* 48 (19-20): 1111–1123.
14. **Fusu L.**, Bin F. & Popovici O. A. **2013**. First report of chromosomes of the parasitoid wasp *Trissolcus basalis* (Wollaston) (Hymenoptera: Platygasteridae: Telenominae). *Entomological Science* 16: 263–265.
15. **Fusu L.** **2013**. A revision to the Palaearctic species of *Reikosiella* (*Hirticauda*) (Hymenoptera, Eupelmidae). *Zootaxa* 3636 (1): 001– 034.
16. **Fusu, L.** **2012**. A new species of *Dicarnosis* Mercet (Hymenoptera, Encyrtidae) from the island of Cyprus: the missing link in the evolution of the group. *Deutsche Entomologische Zeitschrift* 59 (2): 245–252.
17. Dascălu, M. M. & **Fusu L.** **2012**. *Dorcadion axillare* Küster, 1847 (Coleoptera: Cerambycidae): distribution, morphometrics, karyotype and description of a new subspecies from Romania. *Zootaxa* 3322: 35–48.
18. **Fusu L.** **2010**. Species status of two color morphs of *Eupelmus vesicularis* (Hymenoptera: Eupelmidae) as revealed by allozyme electrophoresis, morphometric and host preference data. *Journal of Natural History* 44 (17–18): 1113–1129.
19. **Fusu L.** **2009**. Romanian Eupelmidae (Hymenoptera, Chalcidoidea): new cytogenetic, faunistic and host records. *North-Western Journal of Zoology* 5 (2): 307-320.
20. **Fusu L.** **2008**. The usefulness of chromosomes of parasitic wasps of the subfamily Eupelminae (Hymenoptera, Chalcidoidea, Eupelmidae) for subfamily systematics. *European Journal of Entomology* 105: 823–828.

Other peer-review journals, principal author

1. Viciriu, I.M., Manciu C.O., **Fusu L.** 2016. *Andricus glutinosus* (Giraud, 1859) (Hymenoptera, Cynipidae): new record for the Romanian fauna. *Travaux du Muséum National d'Histoire Naturelle Grigore Antipa* 59(1): 1-4.
2. **Fusu L.** 2008. Chromosomes of two parasitic wasps of the family Encyrtidae (Hymenoptera: Chalcidoidea). *Analele științifice ale Universității "Al. I. Cuza" din Iași (serie nouă)*. *Genetică și biologie moleculară* 9 (3): 57-59.
3. **Fusu L.** 2008. Chromosomes of *Aprostocetus eurytomae* (Nees, 1834) (Hymenoptera: Eulophidae). *Analele științifice ale Universității "Al. I. Cuza" din Iași (serie nouă)*. *Genetică și biologie moleculară* 9 (3): 55-56.

4. **Fusu L.** 2008. Chromosomes of two *Podagrion* species (Hymenoptera, Chalcidoidea, Torymidae) and the evolution of high chromosome numbers in Chalcidoidea. *Analele științifice ale Universității "Al. I. Cuza" din Iași (serie nouă). Genetică și biologie moleculară* 9 (3): 61-64.
5. **Fusu L.** 2006. Encyrtid wasps (Hymenoptera, Chalcidoidea, Encyrtidae) new for Romania's Fauna. *Analele științifice ale Universității „Al.I.Cuza” din Iași (serie nouă), Lucrările Simpozionului „Entomofagii și rolul lor în păstrarea echilibrului natural”*: 15– 18.
6. **Fusu L.**, Popovici M. & Căpraru G. 2006. Preliminary data on the karyotype of *Mus musculus musculus* L., 1785 from Northeastern Romania. *Analele științifice ale Universității „Alexandru Ioan Cuza”, Secțiunea Genetică și Biologie Moleculară* 7: 241-243.
7. Novac A., **Fusu L.** 2006. The phenotypic structure of a *Mytilus galloprovincialis* Lmk. population from the Romanian Black Sea shore. *Analele științifice ale Universității „Alexandru Ioan Cuza”, Secțiunea Genetică și Biologie Moleculară* 7: 235-240.
8. Moglan I., **Fusu L.** 2006. Le complexe parasitaire de *Parthenolecanium rufulum* (Cockerell) (Homoptera, Coccidae) en Roumanie. *Analele științifice ale Universității „Al.I.Cuza” din Iași (serie nouă), Lucrările Simpozionului „Entomofagii și rolul lor în păstrarea echilibrului natural”*: 111 – 116.
9. Popovici O., **Fusu L.** 2006. Preliminary studies to the knowledge of the maxillo-labial complex of some Scelionidae species. *Analele științifice ale Universității „Al.I.Cuza” din Iași (serie nouă), Lucrările Simpozionului „Entomofagii și rolul lor în păstrarea echilibrului natural”*: 39 – 46.
10. **Fusu L.**, Popescu I. E. 2003. New contributions to the study of Romanian encyrtid wasps (Hymenoptera, Encyrtidae) fauna. *Analele Științifice ale Univ. “Al. I. Cuza” Iași, seria Biologie Animală* 49: 87-93.
11. Popescu I. E., **Fusu L.** 2003. Eurytomid wasps (Hymenoptera, Chalcidoidea, Eurytomidae) new for Romanian fauna. *Analele Științifice ale Univ. “Al. I. Cuza” Iași, seria Biologie Animală* 49: 79-82.
12. **Fusu L.** 2001. Contributions faunistiques à la connaissance des Encyrtidae (Hym., Chalc., Encyrtidae) de Roumanie. *Analele Științifice ale Universității “Al. I. Cuza” din Iași, secțiunea I, Biologie Animală* 47: 29-34.

Other peer-review journals, co-author

1. Mitroiu M.D., Noyes J., Cetkovic A., Nonveiller G., Radchenko A., Polaszek A., Ronquist F., Forshage M., [...], **Fusu L.**, [...], de Jong Y. 2015. Fauna Europaea: Hymenoptera – Apocrita (excl. Ichneumonoidea). *Biodiversity Data Journal* 3(3): e4186.
2. Mitroiu M.D., Andriescu I., **Fusu L.** & Dascălu M.M. 2007. Pteromalids (Hymenoptera: Pteromalidae) new to Romania, obtained from rearings. *Analele Științifice ale Universității „Al. I. Cuza” Iași, s. Biologie animală* 53: 135-140.

Book chapters

1. **Fusu L.**, Stan M. & Dascălu, M. M. 2015. Cleoptera. In Iorgu I. (Ed) *Ghid sintetic pentru monitorizarea speciilor de nevertebrate de interes comunitar din România*. Bucuresti, 159p.
2. **Fusu L.**, Popescu I. E. 2006. Encyrtid wasps (Hymenoptera, Chalcidoidea: Encyrtidae) from Piatra Craiului National Park (Braşov, Romania). pp. 20 – 26. in Pop O. (editor) *Research in Piatra Craiului National Park 2*, Editura Universităţii Transilvania, Braşov (ISBN (10) 973-635-690-6).
3. Popescu I. E., Andriescu I, **Fusu L.** 2002. Contributions to the knowledge of the Torymid wasps (Hymenoptera, Chalcidoidea, Torymidae) from “Valea lui David” hayfields natural reserve (Iaşi, Romania). Pp. 25-32 in *In Memoriam “Proffessor Dr. Doc. Vasile Gh. Radu” Corresponding Member of Romanian Academy of Sciences, “Babeş-Bolyai” University, Departament of Zoology, Presa Universitară Clujană*.
4. Popescu I. E., Andriescu I, **Fusu L.** 2002. Contributions to the knowledge of the Torymid wasps (Hymenoptera, Chalcidoidea, Torymidae) from “Valea lui David” hayfields natural reserve (Iaşi, Romania). Pp. 25-32 in *In Memoriam “Proffessor Dr. Doc. Vasile Gh. Radu” Corresponding Member of Romanian Academy of Sciences, “Babeş-Bolyai” University, Departament of Zoology, Presa Universitară Clujană*.

Miscellaneous

1. Andriescu I. D., Mitroiu M. D., Popescu I. E., **Fusu L.** 2006. Les Chalcidiens (Insecta, Hymenoptera, Chalcidoidea) de la réserve naturelle de prés séculaires “Valea lui David”, Iaşi, Roumanie. *Materialele Simpozionului Jubiliar Rezervația “Codrii” - 35 ani, Agenția pentru Silvicultură “Moldsilva”, Rezervația Codrii*, p. 14.