



Europass Curriculum Vitae



Personal information

Surname(s) / First name(s) **Duduman Mihai-Leonard**
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Telephone(s) +40744791070
E-mail mduduman@usv.ro; mduduman@gmail.com
Nationality Romanian
Date of birth 31.08.1977
Gender Male

Work experience

Dates Since May 2009
Occupation or position held Researcher gr. III
Main activities and responsibilities Research in forest protection (forest entomology): methodology, development of field and laboratory experiments, statistical analysis of data etc.
Name and address of employer "Ștefan cel Mare" University of Suceava, Forestry Faculty.
Type of business or sector Higher education

Dates September 2004 – October 2010
Occupation or position held Researcher
Main activities and responsibilities Research in forest protection (forest entomology): methodology, development of field and laboratory experiments, statistical analysis of data etc.
Name and address of employer Forest Research and Management Institute, Research Station for Norway Spruce Silviculture Câmpulung Moldovenesc, Forest Protection Lab.
Type of business or sector Research

Dates November 2000 – September 2004
Occupation or position held Forest engineer
Main activities and responsibilities Field measurements, design, technical and economic computations, drafting technical documentation
Name and address of employer Divers private employers.
Type of business or sector Forest road design

Education and training

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| Dates | October 2001 – September 2009 |
| Title of qualification awarded | PhD, Specialization: Silviculture, Forest Protection Thesis title: <i>Ips typographus</i> l. and <i>Hylobius abietis</i> l. response to the various combinations of the synthetic attractants |
| Principal subjects/occupational skills covered | Forest Protection, Forest Ecology, Insect Ecology |
| Name and type of organisation providing education and training | Transilvania University of Braşov, Romania |
| Dates | December 2005 |
| Title of qualification awarded | Certificate |
| Principal subjects/occupational skills covered | Research project management |
| Name and type of organisation providing education and training | Forest Research and Management Institute and The Bucharest Academy of Economic Studies |
| Dates | October 1995 – June 2000 |
| Title of qualification awarded | Graduate in Forestry |
| Principal subjects/occupational skills covered | |
| Name and type of organisation providing education and training | Ştefan cel Mare University of Suceava, Faculty of Forestry |

Mother tongue(s) Romanian

Other language(s) English, French

Self-assessment

European level (*)

Language

Language

| Understanding | | Speaking | | Writing | |
|---------------|---------|--------------------|-------------------|---------|--|
| Listening | Reading | Spoken interaction | Spoken production | | |
| B2 | B2 | B2 | B1 | B2 | |
| A2 | A2 | A1 | A1 | A1 | |

(*) Common European Framework of Reference for Languages

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| Technical skills and competences | Excellent abilities in coordinating and organizing research activities. Excellent cooperation with the related departments. |
| Computer skills and competences | Office software; Corel Draw; AutoCad; divers photo software; statistical analysis software (XLStat, Statistica etc); |
| Driving licence | B and Tr. category. |
| Additional information | More than 20 studies and scientific articles |
| Annexes | List of research projects; List of papers |

List of research projects:

| Project title | Periods | Role | Beneficiary |
|--|-----------|---|---|
| 1. Research aimed at quantifying the <i>Hylobius abietis</i> attack risk in resinous cultures and establish safeguards against the risk level – Phase II | 2004-2005 | Assistant researcher | National Forest Agency; |
| 2. Technical assistance on quantifying <i>Hylobius abietis</i> attack risk and protective measures in differentiating resinous cultures of Forestry Department of Suceava | 2004-2006 | Assistant researcher | National Forest Agency; |
| 3. Technical assistance on the detection, prognosis and pest <i>Pristiphora abietina</i> in spruce stands outside the area of Forestry Department of Suceava | 2005 | Assistant researcher | National Forest Agency; |
| 4. Research on biology, prognosis and pest control of <i>Pristiphora abietina</i> . | 2006-2007 | Scientific researcher | National Forest Agency; |
| 5. Study on identification of invasive alien insect species in Romania | 2006-2009 | Scientific researcher | Ministry of Agriculture, Forest and Rural Development |
| 6. Research concerning the response of <i>Ips typographus</i> and <i>Hylobius abietis</i> adults to different release rates of alpha-pinene in combination with the aggregation pheromone, and with ethanol respectively | 2007-2008 | Scientific researcher | CNCSIS National Programme |
| 7. Rehabilitation technology functionality spruce ecosystems affected by biotic factors disturbing | 2006-2008 | Scientific researcher | CEEX National Programme |
| 8. Sustainable management of forest ecosystems in the context of global environmental changes. | 2009-2011 | Scientific researcher | National Programme, cod PN 09460201 |
| 9. Evaluation of forest biodiversity in representative protected areas, as a benchmark for sustainable forestry management of cultivated trees | 2009-2011 | Scientific researcher | National Programme, cod PN 09460203 |
| 10. FP7 Collaborative Project MOTIVE (Models for Adaptive Forest Management), Call ID: FP7-ENV.2008.6.2.1.6. Development of adaptive forest management models (http://www.silvic.usv.ro/motive/) | 2009-2013 | Scientific researcher gr. III | European Union/FP7 |
| 11. Role of the Norway Spruce volatile substances upon <i>Ips typographus</i> and <i>Ips duplicatus</i> bark beetles response to aggregative pheromones (SUVMOFIPS). (http://www.silvic.usv.ro/suvmofips/) | 2010-2012 | Scientific researcher gr. III, project director | UEFISCDI (RU-PostDoc) National Programme |
| 12. Sustainability of short-term rotation cultures of trees on marginal lands (STRoMA) (http://www.silvic.usv.ro/stroma/) | 2012-2015 | Scientific researcher gr. III, WP coordinator | UEFISCDI (Parteneriate) National Programme |
| 13. Tree level forest planning using remote sensing data (RemoteForest) | 2012-2015 | Scientific researcher gr. III | UEFISCDI (Parteneriate) National Programme |
| 14. FP7 FORMIT (Forest Management Strategies to Enhance the Mitigation Potential of European Forests) Collaborative project - Large-scale integrating project, Grant agreement no.: 311970 | 2012-2015 | Scientific researcher gr. III | European Union/FP7 |
| 15. The potential impact of global warming on two fundamental factors of Spruce bark beetle <i>Ips duplicatus</i> population dynamics: voltinism and diapause (DUPLIFEN) | 2013-2015 | Scientific researcher gr. III, project director | UEFISCDI (RU-PostDoc) National Programme |

List of papers:

1. Duduman, M.-L., 2000: Biometric and ecological research of the insect *Euproctis chrysorrhoea* L. Revista Pădurilor, 115(4): 25-28.
2. Olenici, N., Olenici, V., Duduman, M.-L., 2006: Influence of ground vegetation on the attack of large pine weevil. *Hylobius abietis* (L.). Revista Pădurilor, 121(2): 20-26.
3. Olenici, N., Duduman, M.-L., Olenici, V., 2007: [Inhibitory effect of \(-\)-alpha-pinene high release rates on *Ips typographus* \(L.\) response to its aggregation pheromone](#). Analele ICAS, 50: 203-212.
4. Olenici, N., Duduman, M.-L., Olenici, V., 2007: [Response of *Hylobius abietis* \(L.\) weevils to the variation of alpha-pinene and ethanol release rates, as well as of alpha-pinene/ethanol ratio](#). Analele ICAS, 50: 223-238.
5. Olenici, N., Duduman, M.-L., Olenici, V., 2008: Response to the large pine weevil to various combinations of alpha-pinene and ethanol. În „Methodology of Forest Insect and Disease Survey in Central Europe” Proceedings of the IUFRO Working Party 7.03.10 Workshop September 15-19, 2008, Strbske Plesso, Slovakia.
6. Duduman, M.-L., Olenici, N., Bouriaud, O., Olenici, V., 2009: [Natural volatiles impair the response of *Hylobius abietis* adults to synthetic attractants in Norway spruce clear cut areas](#). Annals of Forest Research, 52:77-88.
7. Olenici, N., Duduman, M.-L., Tulbure, C., Rotariu, C., 2009: *Ips duplicatus* (Coleoptera, Curculionidae, Scolytinae) – an important pest of spruce installed outside of the natural area. Revista Pădurilor, 124(1): 17-23.
8. Duduman G., Roibu C.-C., Duduman M.-L., Miron-Onciul M., 2010: [The influence of competition and dimensional-spatial characteristics of trees on their radial growth in Old-Growth Slătioara forest](#), Romania. AES Bioflux 2(2):215-230.
9. Olenici, N., Duduman, M.-L., Olenici, V., Bouriaud, O., Tomescu, R., Rotariu, C., 2011: [The first outbreak of *Ips duplicatus* in Romania](#). In: Delb, H., Pontuali, S. (eds.): Biotic Risks and Climate Change in Forests. Proceedings of the Working Party 7.03.10 Methodology of Forest Insect and Disease Survey in Central Europe, 10th Workshop September 20th-23rd, 2010, Freiburg, Germany. Berichte Freiburger Forstliche Forschung Heft, FVA: 135-140.
10. Brudea, V., Duduman, M.-L., Rakosy, L. (eds.) 2011: The Volume of Conference Papers “Biodiversity and Management of insects in Romania. Publishing House: Editura Universității “Ștefan cel Mare” Suceava, 210 p.
11. Duduman, M.-L., Isaia, G., Olenici, N., 2011: [Ips duplicatus \(Coleoptera: Curculionidae, Scolytinae\) distribution in Romania. Preliminary results](#). Bulletin of the Transilvania University of Brașov, Series II, Vol. 4 (53) No.2: 19-26.
12. Duduman, M.-L., Vasian I., 2012: [Effects of volatile emissions of *Picea abies* fresh debris on *Ips duplicatus* response to characteristic synthetic pheromone](#). Notulae Botanicae Horti Agrobotanici Cluj-Napoca, Vol. 40 No.1: 308-313.
13. Horodnic, S.-A., Duduman, M.-L., Palaghianu, C. (eds.) 2012: [Proceedings of the International Conference Integrated Management of Environmental Resources](#) - Suceava, November 4-6th, 2011. Editura Universității „Ștefan cel Mare” Suceava, Romania, 138 p.
14. Paraschiv, M., Isaia, G., Duduman, M.-L., 2012: [The effect of Intercept trap color on *Ips typographus* captures \(Preliminary results\)](#). Bulletin of the Transilvania University of Brasov Series II: Forestry, Wood Industry, Agricultural Food Engineering, 5(54) No. 1: 85-90.
15. Duduman, M.-L., Olenici, N., Isaia, G., 2012: Research Carried Out in Romania on the Northern Bark Beetle (*Ips duplicatus*, Coleoptera: Curculionidae, Scolytinae). In: Abrudan, V., I., et al. (eds): Proceedings of the Biennial International Symposium Forest and Sustainable Development Brasov, 19-20th of October 2012: 9-15.