



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Stefanahe, Camelia Paula**
Address(es) Aleea Ulmilor no. 36, 610004, Piatra Neamt, Neamt County, Romania
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E-mail camelia.stefanahe@yahoo.com
Nationality Romanian
Date of birth 19.11.1987
Gender Feminine

Work experience

Dates February 2012 – Onwards
Occupation or position held Scientific Researcher
Main activities and responsibilities

- Sampling / storage plant samples, experimental observations, data processing and interpretation of statistics
- Development of plant tissue culture for species with pharmaceutical use
- Involvement in the development of scientific reports, economic and financial documentation for R&D projects
- Dissemination activities

Name and address of employer

- National Institute of Research and Development for Biological Sciences (NIRDBS)/"Stejarul"
Biological Research Centre, Alexandru cel Bun No. 6, 610004, Piatra Neamt, Neamt County, Romania.
- Tel.: +40 233210809 – Fax.: +40 233210809
- Website: www.dbiuro.eu, <http://www.stejarul-medagrosilv.ro/Contact.html>, www.stejarul2011.ro

Type of business or sector - Research

Dates October 2012 – September 2013
Occupation or position held Scientific Assistant, Project Leader*
Main activities and responsibilities

- Developing plant cell suspension and tissue culture for medicinal and aromatic plants
- Conducting phytochemical analysis (HPLC and HPTLC)
- Elaborating scientific reports
- Dissemination activities
- Mentoring activities

* Project financed by the Scientific Research Program between Switzerland and the New Member States of the European Union Research Program (SCIEX); Project title: The development of a cell culture system in order to obtain biological active principles and indirect regeneration for *Arnica montana* species (Acronym: ArnicActiveCell).

Name and address of employer	Institute of Biotechnology, Zurich University of Applied Sciences, Einsiedlerstrasse 31, 8820 Wädenswil, Elvetia, http://www.ibt.zhaw.ch/en/lsvm/institute-of-biotechnology.html
Type of business or sector	University
Dates	July 2009 – January 2012
Occupation or position held	Research Assistant
Main activities and responsibilities	<ul style="list-style-type: none"> - Sampling / storage plant samples, experimental observations, data processing and interpretation of statistics - Development of plant tissue culture for species with pharmaceutical use - Involvement in the development of scientific reports, economic and financial documentation for R & D projects
Name and address of employer	<ul style="list-style-type: none"> - National Institute of Research and Development for Biological Sciences (NIRDBS)"/"Stejarul" Biological Research Centre, Alexandru cel Bun No. 6, 610004, Piatra Neamt, Neamt County, Romania. Tel.: +40 233210809 – Fax.: +40 233210809 Website: www.dbiuro.eu, http://www.stejarul-medagrosilv.ro/Contact.html , www.stejarul2011.ro
Type of business or sector	- Research
Education and training	
Dates	2011 – 2014
Title of qualification awarded	<ul style="list-style-type: none"> - PhD in Biology - Fundamental Domain: Life Sciences - Field: Biology
Dates	2009 – 2011
Title of qualification awarded	<ul style="list-style-type: none"> - Master Degree in Biology - Field: Biology - Specialization: Microbial and Cell Biotechnology
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> - Methods and Processing in Biotechnology - Plant Cell Culture in Biotechnology - Biotechnology for Obtaining Biologically Active Substances - Biomodulation - Molecular Biotechnology - Applied Enzymology
Name and type of organisation providing education and training	Biology Faculty, "Alexandru Ioan Cuza" University, Iasi, Romania
Level in national or international classification	- ISCED 5
Dates	April 2010
Title of qualification awarded	- Graduation Certification – Project Manager
Principal subjects/occupational skills covered	- Specializing in project management
Name and type of organisation providing education and training	<ul style="list-style-type: none"> - Adult Vocational Training Association - AVTA - European Institute of Romania, Bd. Regina Elisabeta 7-9, sector 3, RO-030016 Bucharest, Romania
Dates	2006 – 2009
Title of qualification awarded	<ul style="list-style-type: none"> - Bachelor of Science in Biology - Field: Biology - Specialization: Biology
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> - Plant Cytology and Histology - Cell Biology - General Genetics - Biochemistry - Plant Morphology and Anatomy; Organization and Systematic - Plant Physiology - General Ecology

Name and type of organisation providing education and training
Level in national or international classification

- Biology Faculty, "Alexandru Ioan Cuza" University, Iasi, Romania

- ISCED 5

Personal skills and competences

Mother tongue(s)

- Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A1	Basic user	B1	Independent user	A1	Basic user	A1	Basic user	A1	Basic user

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

Social skills and competences

- Team spirit
- Establishment of professional contacts at national and international levels for the development of joint research projects as a result of participation on symposia/conferences (Germany, Switzerland)

Organisational skills and competences

- Member of the Symposium Secretariat of The 11th Edition of National Symposium "MEDICINAL PLANTS–PRESENT AND PERSPECTIVE" and the NIRDBS Annual Scientific Session, 8 – 10 June 2011, Piatra Neamt, Romania. www.stejarul2011.ro
- Member of the Technical Assistant Committee of the international conference „Phytochemicals in Medicine and Pharmacognosy”, under the auspice of the Phytochemical Society of Europe, and organized by NIRDBS/“Stejarul” Biological Research Centre Piatra Neamt in collaboration with „Gr. T. Popa” University of Medicine and Pharmacy, Iasi.

Computer skills and competences

- Good command of Microsoft Office™ tools (Word™, Excel™, PowerPoint™ and Publisher™)
- Basic knowledge of computer graphics applications (Corel Draw™, Adobe PhotoShop™)

Artistic skills and competences

- Basic photography and photo editing skills

Driving licence

- Category B

Additional information

- **Areas of Interest:** Biodiversity, Conservation of Medicinal and Aromatic Plant Species, Biotechnology; Sustainable Development; Medicinal and Aromatic Plants

- **Member of Professional Associations:**

- Society for Medicinal Plant and Natural Product Research (GA) since 2010
- The Phytochemical Society of Europe (PSE) since 2010
- International Society for Horticultural Science (ISHS) since 2011
- Romanian Association of Tissue Culture and Plant Cells since 2011

- **Seminars**

- Attending the Seminar on Common Agricultural Policy (CAP) – with aspects regarding the environment, with application on the medicinal and aromatic plants with importance in the sustainable development in the mountain area, organized by the European Institute of Romania in collaboration with the Centre of European Studies in Strasbourg, France Embassy in Bucharest and French Institute in Bucharest (November 2011)

- **Summer Schools**

- Attending the “Summer school 2012: Cell expansion and protein expression – An introduction for standard and single-use bioreactors”, organized by Institute of Biotechnology, Zurich University of Applied Sciences, 14 - 31 August 2012

National and International Scientific Symposia

1. Scientific Symposium “*In situ* and *Ex situ* Conservation of Plant Diversity”, 16 – 18 October 2009, Iasi, Romania.
2. Annual Scientific Session of National Institute of Research and Development for Biological Sciences (NIRDBS) Bucharest, 17 – 18 December 2009, Bucharest, Romania.

3. Annual Scientific Session of National Institute of Research and Development for Biological Sciences Bucharest, 24 – 25 June 2010, Cluj-Napoca, Romania.
4. 58th International Congress and Annual Meeting of The Society for Medicinal Plant and Natural Product Research, 29 August – 2 September 2010, Berlin, Germany.
5. International Symposium on „Terpenes – Application, Activity and Analysis”, 26 – 29 September 2010, Istanbul, Turkey.
6. The Symposium dedicated to the International Year of Biodiversity, 15 – 16 October 2010, Iasi, Romania.
7. The 8th International Symposium “Environment Quality and Land Use”, 5 – 6 May 2011, Suceava, Romania.
8. The 11th Edition of National Symposium “MEDICINAL PLANTS–PRESENT AND PERSPECTIVE” and the NIRDBS Annual Scientific Session, 8 – 10 June 2011, Piatra Neamt, Romania.
9. The 4th National Symposium of Ethnopharmacology with International Participation “Ethnopharmacology, interface between bio foods and phytomedicines”, 21 – 24 June 2011, Brasov, Romania.
10. I International Symposium on Medicinal, Aromatic and Nutraceutical Plants from Mountainous Areas, 5 - 9 July 2011, Saas Fee, Switzerland.
11. Scientific Symposium „Conservarea Diversitatii Plantelor *In situ* si *Ex situ*”, 27 - 29 October 2011, Iasi.
12. International Conference „7th Conference on Medicinal and Aromatic Plants of Southeast European Countries (7th CMAPSEEC)”, 27 - 31 May 2012, Subotica, Serbia, organized by „Institute for Medicinal Plant Research “Dr Josif Pančić”, Belgrad and „Association for Medicinal and Aromatic Plants of Southeast European Countries”
13. 2nd Symposium on Horticulture in Europe, 1 – 5 July 2012, Angers, France.
Professional tour: Horticultural chain in the Saumur area
Open Space A (Workshop) – Horticultural potential in Eastern European countries
14. The Winter Seminar of the Swiss Society of Cosmetic Chemist – SWISS SCC on the theme “Menschen – Kosmetik – Wissenschaft”, 27 - 31 January 2013, Sankt Moritz, Switzerland.
15. The Conference „Single-Use Technology in Biopharmaceutical Manufacturing”, 3 - 4 June 2013, Wädenswil, Switzerland, organized by the Institute of Biotechnology, Zurich University of Applied Sciences.
16. The International Symposium „Trends in natural products research: a young scientists meeting of PSE and öPhG”, 21 – 25 July 2013, Organized by the Pytochemical Society of Europe (PSE) and Innsbruck University (Austria), University Centre Obergurgl/Tyrol, Austria.
17. The International Congress „61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research”, 1 – 5 September 2013, Münster, Germany.
Workshop: 7th Young Researchers Workshop.

Main publications:

1. **Camelia STEFANACHE**, Doina DANILA, Radu NECULA, Elvira GILLE, 2009, Initierea culturii de tesuturi la *Nepeta cataria* L., Romanian Biological Sciences, vol. VII, No. 1-4, p. 169-170 (ISSN 1548-0158), document type abstract.
2. Elvira GILLE, Radu NECULA, Georgiana GITA, **Camelia STEFANACHE**, Doina DANILA, 2009, Evaluarea bioproductivitatii unor specii de *Lamiaceae* provenite din culturi experimentale, Romanian Biological Sciences, vol. VII, No. 1-4, p. 162 (ISSN 1548-0158), document type abstract.
3. Doina DANILA, **Camelia STEFANACHE**, Radu NECULA, Georgiana GITA, Catalina DRUTU, Nicolae STEFAN, 2010, Characterization of the morphogenetic and phytochemical potentials of natural and tissue cultures of *Veronica officinalis* L., Pharmacognosy Magazine*, April-June 2010, vol. 6, Issue 22, p.165 (Suppl.) (ISSN 0973-1296), document type abstract.
4. Doina DANILA, **Camelia STEFANACHE**, Radu NECULA, Georgiana GITA, Catalina DRUTU, Nicolae STEFAN, 2010, Characterization of the morphogenetic and phytochemical potentials of natural and tissue cultures of *Veronica officinalis* L., Proceedings of 6th Conference on Medicinal and Aromatic Plants of Southeast European Countries, 18 - 22 April 2010, Antalya, Turcia, p. 290-296 (CD/ISBN 978-605-61261-0-9), document type proceeding.
5. Doina DANILA, Elvira GILLE, Radu NECULA, **Camelia STEFANACHE**, Georgiana GHITA, Marcela FALTICEANU, 2010, Comparative morphochemical studies in experimental cultures of *Nepeta cataria* L., Pharmacognosy Magazine*, April-June 2010, vol. 6, Issue 22, p.165 (Suppl.) (ISSN 0973-1296), document type abstract.

* Pharmacognosy Magazine indexed/listed in CAB Abstracts, Chemical Abstracts, CSA databases, DOAJ, EBSCO Publishing's Electronic Databases, Excerpta Medica/EMBASE, Google Scholar, Hinari, Index Copernicus, Indian Science Abstracts, Journal Citation Reports, OpenJGate, Science Citation Index Expanded, Ulrich's International Periodical Directory and Web of Science.

6. Doina DANILA, Elvira GILLE, Radu NECULA, **Camelia STEFANACHE**, Georgiana GHITA, Marcela FALTICEANU, 2010, Comparative morphochemical studies in experimental cultures of *Nepeta cataria* L., Proceedings of 6th Conference on Medicinal and Aromatic Plants of Southeast European Countries, 18 - 22 April 2010, Antalya, Turcia, p. 297-303 (CD/ISBN 978-605-61261-0-9), document type proceeding.
7. **Camelia STEFANACHE**, Doina DANILA, Elvira GILLE, Cezar TOMESCU, 2010, *In vitro* multiplication used in preserving the *Arnica montana* L. species in the Romanian Bistrita Mountains, 58th International Congress and Annual Meeting of The Society for Medicinal Plant and Natural Product Research, 29th August – 2nd September, Berlin, Germany, *Planta Medica*** , vol. 76, p. 1380 (ISSN 0032-0943), document type abstract.
** *Planta Medica* indexed in Current Contents/Life Sciences, Science Citation Index, MEDLINE, EMBASE si SCOPUS.
8. Doina DANILA, Adrian SPAC, Ana Clara APROSTOAIE, **Camelia STEFANACHE**, Radu NECULA, Elvira GILLE, 2010, Contribution to the study of the essential oils composition of *Thymus* species from experimental cultures and natural populations from Romania, International Symposium on „Terpenes – Application, Activity and Analysis”, 26 – 29 September 2010, Instambul, Turkey, Abstract Book, p. 58 (ISBN 978-0-9565472-1-7), document type abstract.
9. **Camelia STEFANACHE**, Doina DANILA, Radu NECULA, Elvira GILLE, 2010, Studies regarding *in vitro* regeneration of *Arnica montana* L. from natural populations - Bistrita Valley (Eastern Carpathians), *Analele Stiintifice ale Universitatii "Al. I. Cuza" Iasi*, Tomul LVI, Fasc. 1, S.II A. Biologie Vegetala, p. 33-42 (ISSN: 1223-6578), document type article.
10. **Camelia STEFANACHE**, R. NECULA, Elvira GILLE, Smaranda VANTU, Doina DANILA, 2011, Preliminary studies for identification of some active principles in *Arnica montana* L. cell suspension, *Romanian Biological Sciences*, Vol. IX, no. 1-4, p.87-88, ISSN 1584-0158, document type short communication.
11. Doina DANILA, **Camelia STEFANACHE**, Elvira GILLE, C. MARDARI, 2011, Estimative studies regarding the bioproductivity in natural population of *Arnica montana* L. from Bistrita Mountains (Eastern Carpathians), *Romanian Biological Sciences*, Vol. IX, no. 1-4, p. 85-86, ISSN 1584-0158, document type short communication.
12. Elvira GILLE, R. NECULA, Georgiana GHITA, **Camelia STEFANACHE**, Oana CIOANCA, Doina DANILA, 2011, Contributions to the phytochemical study of some *Polygala* populations from Eastern Carpathians, *Romanian Biological Sciences*, Vol. IX, no. 1-4, p. 88-89, ISSN 1584-0158, document type short communication.
13. **Camelia STEFANACHE**, Doina DANILA, R. NECULA, Smaranda VANTU, Elvira GILLE, 2011, *In vivo* and *in vitro* phytochemical studies of *Arnica montana* L. species from Romanian Eastern Carpathians, *Acta Horticulturae**, Vol. 955, p. 143-148, document type article.
14. Doina DANILA, **Camelia STEFANACHE**, Catalina DRUTU, Elena TROTUS, 2011, Conventional and unconventional techniques for *in situ* conservation and capitalization in agro-systems of *Veronica officinalis* L., *Acta Horticulturae*, Vol. 955, p. 137-142, document type article.
****Acta Horticulturae* is indexed in all major databases including AGRICOLA and CABAbstracts
15. **Camelia STEFANACHE**, Doina DANILA, Catalina DRUTU, 2011, Tehnici conventionale si neconventionale de conservare pentru valorificarea durabila a speciilor *Arnica montana* si *Veronica officinalis* in areale naturale din Depresiunea Dornelor, *Analele Stiintifice ale Universitatii „Stefan cel Mare”, Suceava*, In press, document type article.
16. **Camelia STEFANACHE**, Doina DANILA, Radu NECULA, Elvira GILLE, 2011, Tehnici de conservare utilizate la speciile *Nepeta cataria* L. si *Dracocephalum moldavica* L., Volumul de rezumate al Simpozionului Stiintific „Conservarea Diversitatii Plantelor *In situ* si *Ex situ*”, Iasi, 27-29 octombrie 2011, p. 29-30, ISBN 978-973-640-677-5, document type abstract.
17. **Stefanache Camelia**, Danila Doina, Gille Elvira, Necula R., Falticeanu Maria, Contributions to the study of the polyphenolic compounds of *Agastache rugosa* Kuntze plants in *in vitro* and conventional cultures, Proceedings of the 7th Conference on Medicinal and Aromatic Plants of Southeast European Countries, 37 – 31 mai 2012, Subotica, Serbia, document type article.
18. Tebrencu Carmen, Mihailescu Roxana Laura, Cretu Ruxandra, **Stefanache Camelia**, Ionescu Elena, Antohe Neculai, Contribution to antioxidant potential study of some extracts of forest fruits from Romanian Eastern Carpathians – Upstream Bistrita Valley, Book of Abstracts of the 7th Conference on Medicinal and Aromatic Plants of Southeast European Countries, 37 – 31 mai 2012, Subotica, Serbia, document type abstract.
19. Danila Doina, **Stefanache Camelia**, Spac Adrian, Gille Elvira, Stanescu Ursula, Studies on the variation of the volatile oil composition in experimental variants of *Hyssopus officinalis* L., Book of Abstracts of the 7th Conference on Medicinal and Aromatic Plants of Southeast European Countries, 37 – 31 mai 2012, Subotica, Serbia, document type abstract.
20. **Camelia STEFANACHE**, Catalin TANASE, 2012, The influence of biotic interactions on the distribution and abundance of *Arnica montana* L. species in natural habitats, *Acta Horticulturae*, In press, document type article.
21. Doina DANILA, **Camelia STEFANACHE**, 2012, Strategies for the conservation of *Lamiaceae* medicinal and aromatic species diversity through conventional and unconventional horticultural methods, *Acta Horticulturae*, In press, document type article.
22. **Camelia Stefanache**, Evelyn Wofram, *Arnica montana* – Von der bedrohten Heilpflanze zum nachhaltigen Biotechprodukt (*Arnica montana* – de la plantă medicinală periclitată la produse biotehnologice sustenabile), Book of Abstract of the Winter Seminar of the Swiss Society of Cosmetic Chemist – SWISS SCC, document type abstract.
23. **Camelia Stefanache**, Nicole Imseng, Samuel Peter, Beat Meier, Regine Eibl, Catalin Tanase, Evelyn Wolfram, Plant cell-based bioprocessing in small-scale single-use bioreactors for producing bioactive secondary metabolites in *Arnica montana* L., Book of Abstract of the Conference „Single-Use Technology in Biopharmaceutical Manufacturing”, Wädenswil, Switzerland, 3 – 4 iunie 2013, organizat de Institute of Biotechnology, Zurich University of Applied Sciences.
24. **Camelia Stefanache**, Doina Danila, Radu Necula, Valentin Grigoras, Elvira Gille, Comparative phytochemical analysis for *Agastache rugosa* Kuntze experimental variants in conventional cultures, Book of Abstract of the International Symposium „Trends in natural products research: a young scientists meeting of PSE and öPhG”, 21 – 25 iulie 2013, organizat de Societatea Europeană de Fitochimie (PSE) și Universitatea Innsbruck (Austria), University Centre Obergurgl/Tyrol, Austria, document type abstract.
25. Doina Danila, **Camelia Stefanache**, Radu Necula, Valentin Grigoras, Anca Miron, Contribution to the phytochemical study of *Vaccinium vitis-idaea* L. wild populations from Eastern Romanian Carpathians, Book of Abstract of the International Symposium

„Trends in natural products research: a young scientists meeting of PSE and öPhG”, 21 – 25 iulie 2013, organizat de Societatea Europeană de Fitochimie (PSE) și Universitatea Innsbruck (Austria), University Centre Obergurgl/Tyrol, Austria, document type abstract.

26. **Stefanache C.P.**, Imseng N., Meier B., Tanase C., Eibl-Schindler R., Peter S., Wolfram E., *Arnica montana* L. cell suspension culture as a biotechnological approach for the production of bioactive secondary metabolites, *Planta Medica*, vol. 79(13), p. 1273, document type abstract.
27. Danila D., **Stefanache C.P.**, Grigoras V., Necula R., Gille E., Phytochemical studies on phenolic compounds of some species with anti-inflammatory potential of wild plant population in the North-Eastern Carpathians from Romania, *Planta Medica*, vol. 79(13), p. 1212 – 1213, document type abstract.

Experience (including management experience) in national/international programs/projects

Programs/Projects	Webpage	Period: from ... by ...
BIODIV Project / PN 09-36 Identification, characterization and utilization of bioresources for obtaining of useful substances for capitalization and conservation of biodiversity - The capitalization of some medicinal and aromatic plant species through some bioactive compounds cu “scavenger” proprieties and stomachic, eupeptic, carminative and tonic – digestive effects usable in food supplements formula. - Antidiabetic plant species biodiversity in relationship with various environmental features of biotopes in mountain and grassland areas of Neamt County.	www.dbiuro.eu	July 2009 – present
MED-AGROSILV / 51-055 Project Agro-Sylvic Strategies to Capitalize and Preserve the Biodiversity of Medicinal Plants in the Context of Sustainable Rural Development on the Upstream Bistrita.	www.stejarul-medagrosilv.ro	April - October 2010
FITODEC / 31-061 Project Uncontaminated vegetal extracts used in phytotherapy obtained by means of unconventional technologies.	www.ccb-stejarul.ro	April - October 2010
METAVEG / 61-039 Project Biotechnologies to obtain some vegetal metabolites to be used in orthomolecular prophylaxy and therapy.	www.ccb-stejarul.ro	April - October 2010
Youth in Action Entrepreneurs in the mountain area	www.ccb-stejarul.ro	June 2012 – May 2013
Program Innovation, Sub-Program “Innovation Checks”, 142CI/31.08.2012 Technological transfer and assistance for the implementation of the micropropagation technology for selected lavender bio-forms (<i>Lavandula</i> spp.), BIOLAV	www.ccb-stejarul.ro	September 2012 – February 2013
Program Capacity / Sub-Program “Bilateral Cooperation Romania – Republic of Moldavia” Identification and characterization of several <i>Nepeta</i> , <i>Agastache</i> , <i>Perilla</i> and <i>Lamium</i> species in the spontaneous flora, collections and experimental cultures from the biological and ecological point of view (EGRE-LAIC)	www.ccb-stejarul.ro	April 2013 – present

Author/Coauthor for Patent applications

1. **Nr. A/00895, from 01.09.2011**, Metoda pentru realizarea culturilor *in vitro* la specia *Arnica montana* L. utilizata in evaluarea biosintezei unor compusi biologic active (Method for the achievement of *in vitro* cultures for *Arnica montana* L. species utilized in the evaluation of the biosynthesis of some active principles), Solicitant INCDSB/„Stejarul” Biological Research Centre Piatra Neamt, Authors: **Camelia Paula STEFANACHE**, Doina DANILA, Elvira GILLE, Smaranda VANTU, Radu NECULA, Catalin TANASE, Carmen Elena TEBRENCU.
2. **Nr. A/00860, from 01.09.2011**, Procedeu de micropropagare la specia *Veronica officinalis* L. prin culturi de tesuturi (Micropropagation process for *Veronica officinalis* L. species through tissue culture), Solicitant INCDSB/„Stejarul” Biological Research Centre Piatra Neamt, Authors: Doina DANILA, **Camelia Paula STEFANACHE**, Elvira GILLE, Radu NECULA, Adina Catalina DRUTU, Elena TROTUS, Ana-Clara APROTOSOAIE, Anca MIRON, Oana CIOANCA.

January, 2014

Stefanache Camelia Paula

