



## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Diana-Ionela POPESCU**  
Address(es) 4th Uzinei Street, No. 4, Ramnicu Valcea, ROMANIA  
Telephone(s) +0250/733890  
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E-mail diana.stegarus@icsi.ro  
Nationality Romanian  
Gender Female

### Work experience

Dates September 15, 2012 - present  
Occupation or position held PhD Chemical Engineer, Scientific Researcher 3rd degree – Entity Responsible of LAFMCA01 Laboratory  
Main activities and responsibilities Elaboration and development of Chromatography-Mass Spectrometry methods for analysing organic compounds from waters, wines, soils, as well as natural compounds from various sources.  
To lead and develop internal research strategy; To prepare research proposal and to coordinate the activities relevant to project objectives; To disseminate research results to national and international conferences, workshop and symposiums; To write or contribute to additional projects of our Insitute; To co-operate with colleagues and to develop team spirit and team working; To find practical application of research results; To update knowledge for research, consultancy in the food industry development.

Name and address of employer National Research and Development Institute for Cryogenics and Isotopic Technologies – I.C.I.T. Ramnicu Valcea, 4<sup>th</sup> Uzinei Street, 240050 – Ramnicu Valcea, VL, Romania

Type of business or sector Academic research  
Dates April 01, 2012-September 15, 2014  
Occupation or position held Researcher  
Main activities and responsibilities Responsible gas chromatographic analysis  
Chromatographic Analysis and Spectrometry- GC/MS; GC/FID; GC/ECD;  
Involved in applied research in the field of the analysis methods all to verify the authenticity of foodstuffs, pollutants and allergens in the environment;  
Preparation of the sample of the medium (waste water, ground water, soil, sediment, sludge, particulate matter) and food control (alcoholic beverages and low alcoholic beverages, juices, water, wine, honey).

Name and address of employer National Research and Development Institute for Cryogenics and Isotopic Technologies – I.C.I.T. Ramnicu Valcea, 4<sup>th</sup> Uzinei Street, 240050 – Ramnicu Valcea, VL, Romania  
Type of business or sector Academic research

### Education and training

Dates November 01, 2012 - present

Title of qualification awarded PhD Chemical Engineer

Principal subjects/occupational skills covered *Defining and assessing the authenticity and typicality varieties from regions local wine established*

Name and type of organisation providing education and training “Lucian Blaga” University  
Faculty of Agricultural Sciences, Food Industry and Environment Protection,  
5-7, Ion Rațiu Street, Tel: +40-(269) 21.13.38, Fax: +40-(269) 21.25.58  
Sibiu, 550012, Romania

Level in national or international classification Level 6 - Second stage of tertiary education

Dates October 01, 2012 - June 15, 2014

Title of qualification awarded Master degree

Principal subjects/occupational skills covered Biotechnology and Food Safety / Thesis title: *"Qualitative assessment of wines from indigenous varieties of three crops succesive"*

Name and type of organisation providing education and training Faculty of Biotechnology - University of Agronomic Sciences and Veterinary Medicine - Bucharest,

Level in national or international classification Level 5 - First stage of tertiary education. ISCED 5A

Dates October 01, 2003 – June 30, 2008

Title of qualification awarded Bachelor degree

Principal subjects/occupational skills covered Food Engineering / Thesis title: *"Quality control of milk and dairy products acidic"*

Name and type of organisation providing education and training Faculty of Food Control and Expertise, University of Agronomic Sciences and Veterinary Medicine - Bucharest, Romania

Level in national or international classification Level 5 - First stage of tertiary education. ISCED 5A

Dates September 15, 1999 – June 15, 2003

Title of qualification awarded Catering technician

Principal subjects/occupational skills covered Catering

Name and type of organisation providing education and training “Economic” National College, Ramnicu Valcea, Romania

Level in national or international classification Level 3 - (Upper) secondary education. ISCED 3A

### Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment		Understanding				Speaking				Writing	
European level (*)		Listening		Reading		Spoken interaction		Spoken production			
<b>English</b>	B2	Independent user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user	
<b>French</b>	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	A2	Basic user	

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

Social skills and competences Hard-working Friendly, Trustworthy, Communicative

Organisational skills and competences Competent organizer and coordinator, empathic with colleagues, innovative in new projects development

Technical skills and competences Laboratory skilled in the area of life sciences

Computer skills and competences General chemistry software (ACD/ChemSketch v12.01 and ChemAxon cheminformatics suites), ADME-Tox predictors (ACD/ADME Suite v5.0.7, ACD/Tox Suite v2.95.1, FAF-Drugs2)  
Operation system: Microsoft Windows 7 & Microsoft Windows XP  
Productivity suite: Microsoft Office 2003 & 2007; OppenOffice.org 3.3.0  
Drawing and photo manipulation: CorelDRAW Graphics Suite X5, Adobe Photoshop CS5  
Multimedia software & Internet browsers

Other skills and competences Open-minded, very curious and inventive

**Additional information Marital status:**

Married

**References about me:**

**CS I. Roxana Ionete**

National Research and Development Institute for Cryogenics and Isotopic Technologies – I.C.I.T. Ramnicu Valcea, 4<sup>th</sup> Uzinei Street, 240050 – Ramnicu Valcea, VL, Romania

**Annexes Annex 1:** The experience accumulated in Romanian research projects

**Annex 2:** List of relevant published papers

**Books**

1. Savoarea vinurilor românești / Diana Ionela Stegăruș. - Sibiu: Editura Universității "Lucian Blaga" din Sibiu, 2016  
Conține bibliografie: ISBN 978-606-12-1374-0, CIP nr. 24101/ 09.12.2016;
2. "Perspective actuale privind dezvoltarea durabila" ISBN 978-606-26-0358-8, "Evaluarea calitativă și cantitativă a unor vinuri din soiuri autohtone privind evoluția esterilor", pag. 103-133;

**Annex 1.** The experience accumulated in Romanian research projects

Programme/Project	Main activities and responsibilities	Period
NUCLEU Programme – PN 09 19 02 04 Project – Support research on multi-application and multi isotopic investigations to establish markers to trace the origin of food. "	Member of research team	January 2013-December 2014
NUCLEU Programme – PN 09 19 02 04 Project – "Researches regarding the development of new extraction and separation methods for some vegetal anthocyanic and anthocyanidic compounds in order to use them as food natural colours"	Member of research team	2014-2015
Young InNOvators Network for SubstainaBLE Ideas in the Agro-Food Sector –No-Ble Ideas: "The evaluationof the heavy metals content in theromanian wines"	Member of research team	2014
Research on the development of new methods of extraction and separation of anthocyanins and anthocyanidins type compounds of plant origin in order to use natural dyes in food law "	Member of research team	2016
Program NUCLEU – proiect PN 16 36 04 02, "Cercetari avansate privind autentificarea originii produselor alimentare in scopul implementarii de metodologii de amprentare inovatoare- Particularizare pentru produse pe baza de frute"	Member of research team	2017

Program NUCLEU - PN 18 12 03 02 "Cercetari privind dezvoltarea de metode analitice avansate de investigare a produselor alimentare ecologice de origine vegetala sau animala"	Member of research team	2017-2018
Program NUCLEU - PN 18 12 03 03 „Evaluarea impactului deversarilor de ape uzate asupra mediului prin investigatii analitice avansate bazate pe tehnici nucleare si conexe” Faza I/ TP 15.06.2018 Inventarierea potentialilor contaminanti toxici si persistenti din apele de suprafata si a modalitatilor de inventariere a acestora, in vederea dezvoltarii unui concept de investigare multiparametric si de analiza izotopica specifica.	Member of research team	2017-2018
Proiect CEC DE INOVARE 2018 – <i>Procedeu inovativ de fragezire a carnii si influenta aplicarii sale asupra unor produse traditionale din carne de porc si vita-acronim - PRO-FRAG – Proiect nr. 168/CI/2018</i>	Project Responsible	2018
Proiect CEC DE INOVARE 2018 - <i>Eliminare prin valorificare. Piroliza deseurilor din plastic – PYROPLAS - Proiect nr. 172/CI/2018</i>	Member of research team	2018

## Annex 2. List of relevant published papers

### Published papers indexed by Thomson Reuters Master Journal List (ex-ISI Master Journal List) with impact factor (IF):

1. Ramona Iancu, Ovidiu Tița, Ecaterina Lengyel, **Diana Stegăruș**, Letiția Oprean, Mihaela Tița, *The identification of dedicated usage varietal yeasts*, Conference proceeding, International Multidisciplinary Scientific Geoconference, SGEM 2013, [www.sgem.org](http://www.sgem.org), Thomson Reuters, ISI Web of Science, ISI Web of Knowledge, în evaluare, Albena Bulgaria, *Advances in Biotechnology*, **ISSN 1314-2704, 279-286, 2013**
2. Ecaterina Lengyel, Letitia Oprean, Ramona Iancu, Otto Ketney, Ovidiu Tita, **Diana Stegăruș**, Raluca Popescu, *The extraction and potentiating of the aroma compound in red grapes using commercial enzymatic mixtures*, Conference proceeding, International Multidisciplinary Scientific Geoconference, SGEM 2013, [www.sgem.org](http://www.sgem.org), Thomson Reuters, ISI Web of Science, ISI Web of Knowledge, Albena Bulgaria, *Advances in Biotechnology*, **ISSN 1314-2704, 317-324, 2013**
3. Ecaterina Lengyel, Letiția Oprean, **Diana Stegăruș**, Raluca Popescu, Ramona Iancu, Mariana Liliana Păcălă, Otto Ketney, *Studies on the use of maceration enzymes in technology for obtaining aromatic Muscat Ottonel wines from Recas winery*, Conference proceeding, International Multidisciplinary Scientific Geoconference, SGEM 2013, [www.sgem.org](http://www.sgem.org), Thomson Reuters, ISI Web of Science, ISI Web of Knowledge, în evaluare, Albena Bulgaria, *Advances in Biotechnology*, **ISSN 1314-2704, 249-256, 2013**
4. **Diana Stegăruș**, Raluca Popescu, Violeta Niculescu, Ecaterina Lengyel, Ovidiu Tita, *Gas-chromatography study regarding the accumulation of volatile compounds responsible for semi-flavoured wines fragrances*, Conference proceeding, International Multidisciplinary Scientific Geoconference, SGEM 2013, [www.sgem.org](http://www.sgem.org), Thomson Reuters, ISI Web of Science, ISI Web of Knowledge, în evaluare, Albena Bulgaria, *Advances in Biotechnology*, **ISSN 1314-2704, 155-162, 2013**
5. Mariana Pacala, Lucica Brudiu, Ecaterina Lengyel, **Diana Stegarus**, Mihaela Begea, *Physicochemical monitoring of the fermentation of mixed cereal-based substrate to obtain a functional beverage*, Conference proceeding, International Multidisciplinary Scientific Geoconference, SGEM 2013, [www.sgem.org](http://www.sgem.org), Thomson Reuters, ISI Web of Science, ISI Web of Knowledge, în evaluare, Albena Bulgaria, *Advances in Biotechnology*, **ISSN 1314-2704, 211-218, 2013**
6. **Diana Stegăruș**, Claudia Sandru, Ioan Stefanescu, Ovidiu Tita, Ramona Iancu, Mariana Pacala, Ecaterina Lengyel, *The monitoring of the physical-chemical and bacteriological indicators of Cibin river in view of quality classification*, Conference proceeding, International Multidisciplinary Scientific Geoconference, SGEM 2013, [www.sgem.org](http://www.sgem.org), Thomson Reuters, ISI Web of Science, ISI Web of Knowledge, în evaluare, Albena Bulgaria, *Advances in Biotechnology*, **ISSN 1314-2704, 1045-1052, vol. I, 2013**

7. Raluca Popescu, Diana Costinel, Roxana Elena Ionete, **Diana Ionela Stegarus**, A. C. Marinescu, Aurelia Tudorache, *Aroma Profile of Young Wines from Ten Native and Foreign Varieties Grown in Romania* Chem. Abs.: RCBUAU 65 (2) (137-252) ISSN 0034-7752 Vol. 65, no.2, February, 2014, [www.revMaterialePlastice.ro](http://www.revMaterialePlastice.ro)
8. **Diana Stegarus**, Violeta Niculescu, Cecilia Georgescu, Ramona Iancu, Ecaterina Lengyel, Ovidiu Tita, *Techniques for extraction and enhancing flavours in chardonnay and sauvignon blanc grapes by enzyme substrate*, 2nd International Conference on Analytical Chemistry Valahia University of Targoviste, September 17- 21, ISBN 978-973-712-902-4, pp. 129, 2014
9. **Diana Ionela Stegarus**, *Evaluation of Transitional Metals Concentrations in Various Romanian Wines by Graphite Furnace Aas*, Proceedings of the 43th International Symposium Actual Tasks on Agricultural Engineering”, 24-27 Februarie 2015 Croatia - Opatija., ISSN 1848-4425, pg. 583-588, 2015
10. Marioara Costea, Ecaterina Lengyel, **Diana Ionela Stegarus**, Nicolae Rusan, Ioan Tausan, *Assessment of climatic conditions as driving factors of wine aromatic compounds: a case study from Central Romania*, Theoretical and Applied Climatology <https://doi.org/10.1007/s00704-018-2594-2>, Received: 14 October 2017 /Accepted: 5 August 2018#Springer-Verlag GmbH Austria, part of Springer Nature 2018
11. **Diana Ionela Stegarus**, A.M. TODERICI, Roxana Elena Ionete, Advanced identification and quantification of pesticide residues in vegetables by GC-TOFMS technique, Romanian Reports in Physics **XX**, XYZ (2018)
12. **Diana Ionela Stegarus\***, Roxana Elena Ionete, Simona Oancea, Ecaterina Lengyel, Residues of polychlorinated biphenyls, organochlorine pesticides and heavy metals in environmental samples and bovine milk of several farms of south Romania, Revista de chimie
13. **Diana Stegarus**, Mihaela IORDACHE , Andreea IORDACH, Claudia SANDRU, Cezara VOICA , Roxana IONETE Assessment of heavy metals pollution in sediments from reservoirs of the olt river as tool for environmental risk management, Romanian Reports in Physics **XX**, XYZ (2018)
14. **Diana Stegarus**, Mihaela IORDACHE, Andreea IORDACH, Roxana IONETE A fugacity based model for the assessment of pollutant dynamic evolution of vocs and btex in the olt river basin (romania) Romanian Reports in Physics **XX**, XYZ (2018)
15. **Diana Stegarus**, Ecaterina Lengyel , Constantin Paladi, Mircia Aurel Toderici, Bacteria involvement in biodegradation of chlorinated organic compounds in ground water, Revista de chimie - in curs de publicare;

#### Published studies in proceedings of scientific meetings recognized at national and international level

1. Ecaterina Lengyel, Letitia Oprean, Ketney Otto, Ramona Iancu, **Stegarus Diana**, Ovidiu Tita, *Physical and chemical characterization of flavored and demy flavored wines from Recas vineyard*, Progress of Cryogenics and isotopes separations, [www.contemporaryscienceassociation.net/journal](http://www.contemporaryscienceassociation.net/journal) , vol.XV, issue 1, ISSN 1582-2575, 87-92, 2012
2. Ecaterina Lengyel, Letiția Oprean, O. Tița, Mariana-Liliana Păcală, Ramona Iancu, **Diana Stegăruș**, O. Ketney , *Isolation and molecular identifications of wine yeast strains from autochthonous aromatic and semi aromatic varieties* , Annals of RSCB, [www.analelesnbc.ro](http://www.analelesnbc.ro), Vol.. XVII, ISSUE 2, ISSN 2067-3019, 134-138, 2012
3. **Stegarus, D.**, Violeta Niculescu, Claudia Sandru, Ecaterina Lengyel, *Determination of nickel content in romanian wines*, *Progress of Cryogenics and isotopes separations*, vol.XVI, (1), ISSN 1582-2575, [www.icit-journal.icsi.ro](http://www.icit-journal.icsi.ro), pp. 97-104, 2013
4. Dan Mutu, **Diana Stegăruș**, Ecaterina Lengyel, Adina Frum, Gabriela Raducan, Ramona Iancu, Ovidiu Tița, *Physical chemical characterization of wines produced from Feteasca Regala and Riesling Italian processing by four different technological*, Acta Universitatis Cibiniensis, Serie E, Food Technology, [http://saiapm.ulbsibiu.ro/rom/cercetare/ACTA\\_E/1AUCFT.html](http://saiapm.ulbsibiu.ro/rom/cercetare/ACTA_E/1AUCFT.html) Vol.XVIII, (1), ISSN 1221-4973, 2014
5. **Diana Stegăruș**, Ecaterina Lengyel, Daniela Șandru, Dan Mutu, Ramona Iancu, Gabriela Raducan, Ovidiu Tița, *Optimizing the operation of maceration to obtain quality white wines*, Acta Universitatis Cibiniensis, Serie E, Food Technology, [http://saiapm.ulbsibiu.ro/rom/cercetare/ACTA\\_E/1AUCFT.html](http://saiapm.ulbsibiu.ro/rom/cercetare/ACTA_E/1AUCFT.html) Vol.XVIII, (1), ISSN 1221-4973, pp. 59-70, 2014
6. Ecaterina Lengyel, Letiția Oprean, **Diana Stegăruș**, Ramona Iancu, Irina Geană, Dan Mutu, Ovidiu Tița, *The chromatographic detection of the rutin in the aromatic and semi aromatic autochthonous musts variety*, Acta Universitatis Cibiniensis, Serie E, Food Technology, [http://saiapm.ulbsibiu.ro/rom/cercetare/ACTA\\_E/1AUCFT.html](http://saiapm.ulbsibiu.ro/rom/cercetare/ACTA_E/1AUCFT.html) Vol. XVIII, (1), ISSN 1221-4973, pp. 47-52, 2014

7. Ecaterina Lengyel , Letiția Oprean, **Diana Stegăruș**, Simona Moșteanu, Mihaela Balteș-Florea, Ramona Iancu, Ovidiu Tița, *Studies regarding the capacity of selected yeast from local strains to produce glycerol*, Conference with international participation Agri-Food Sciences, Processes And Technologies”, Sibiu, 14-15 mai, ISSN 1843-0694, [www.saiapm.ulbsibiu.ro/rom/cercetare/conferinte](http://www.saiapm.ulbsibiu.ro/rom/cercetare/conferinte), pp. 246-252, 2014
8. Ramona Iancu, **Diana Stegarus**, Simona Mosteanu, Ecaterina Lengyel, Letitia Oprean, Ovidiu Tita, *Monitoring of yeast replicative capacity Sacharomyces cerevisiae in specific culture media*, Conference with international participation Agri-Food Sciences, Processes And Technologies”, Sibiu, 14-15 mai, ISSN 1843-0694, [www.saiapm.ulbsibiu.ro/rom/cercetare/conferinte](http://www.saiapm.ulbsibiu.ro/rom/cercetare/conferinte), pg.232-238 , 2014
9. **Diana Stegarus**, Ramona Iancu, Ecaterina Lengyel, Ovidiu Tita, Simona Mosteanu, Cristina Ionescu, *Optimizing alcoholic fermentation of the wine pressing originated from Tokaj , Hungary*, Conference with international participation Agri-Food Sciences, Processes And Technologies”, Sibiu, 14-15 mai, ISBN 1843-0694, [www.saiapm.ulbsibiu.ro/rom/cercetare/conferinte](http://www.saiapm.ulbsibiu.ro/rom/cercetare/conferinte), pp. 239-245 , 2014
10. **Diana Stegăruș**, Violeta Niculescu, Ovidiu Tița, Mihaela Tița, Ecaterina Lengyel, Dan Mutu, *Using selected domestic and commercial yeasts for potentiation of flavours in wine*, The 13th International Symposium „Prospects for the 3rd Millenium Agriculture”, 25-27 september 2014 Cluj Napoca, ISSN: 2392-6937, ISBN-L: 2392-6937, pp.618, 2014
11. **Diana Stegarus**, Violeta Niculescu, Claudia Sandru, Roxana Ionete, Ecaterina Lengyel, Ovidiu Tita, *Application of graphite furnace AAS for some transitional metals determination in romanian wines*, XXXIII-rd Romanian Chemistry Conference, 1-3 october 2014, Călimănești-Căciulata, Vâlcea – România, p.24, 2014
12. **Diana Ionela Stegarus** , *Influence of Climatic Factors on Sensory Characteristics of Wines Originated from Intra and Extra Carpathian Areas*”, “Progress of Cryogenics and Isotopes Separation” 23-24 octombrie 2014, pag. 43-52, volume 17, issue 2/2014, ISSN: 1582-2575
13. **Diana Ionela Stegarus**, *Microbiological Characterization of Red and White Wines Originated from Vineyards of Getic Piedmont*, Management of Sustainable Development Sibiu, Vol.6, Nr.2, pag. 61-64 , ISSN: 2247-0220 Decembrie 2014 (Link:<http://www.cedc.ro/pages/english/conference-and-journal/msd-journal/papers/volume-6-no-22014.php>)
14. Violeta Niculescu, Irina Geana, Nadia Paun, Roxana Ionete, **Diana Stegarus**, *Spectrophotometric techniques used for monitoring food additives – an overview*, Progress of Cryogenics and Isotopes Separation” 23-24 octombrie 2014, pag. 63-72, volume 17, issue 2/2014, ISSN: 1582-2575
15. Diana Stegarus, Violeta Niculescu, Claudia Sandru, Ecaterina Lengyel - Determination of Nickel Content in Romanian Wines, in “Progress of Cryogenics and Isotopes Separation”, Vol. 16. Issue 1/2013, 97-104; CNCSIS Cat. C (619).
16. Diana Stegarus, Raluca Popescu, Violeta Niculescu, Ioan Stefanescu, Ecaterina Lengyel, Mihaela Tita, Ramona Iancu, Dan Mutu - Gas-chromatography study regarding the accumulation of volatile compounds responsible for semi-flavoured wines fragrances”, 13th International Multidisciplinary Scientific GeoConference & EXPO SGEM2013, 16-22 iunie 2013, Albena, Bulgaria, pag. 155-162, ISBN 978-619-7105-06-3; ISSN 1314-2704; DOI: 10.5593/sgem2013.
17. Diana Stegarus, Violeta Niculescu, Claudia Sandru, Ecaterina Lengyel - Determination of nickel content in Romanian wines, the 19th conference with international participation “progress in cryogenics and isotopes separation”-icit RM.VALCEA – 10-11 octombrie 2013, Calimanesti-Caciulata, Romania; ISBN: 978-973-750-249-0.