



## Curriculum vitae Europass



### Informații personale

Nume / Prenume

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[irina.geana@icsi.ro](mailto:irina.geana@icsi.ro);

Naționalitate(-tăți)

romana

### Experiența profesională

- Perioada

August 2008 - prezent

Funcția sau postul ocupat

Cercetator stiintific III

Activități și responsabilități principale

Dezvoltarea metodelor de analize chimice, fizico-chimice si instrumentale in concordanta cu cerintele tematicii de cercetare si productie din cadrul laboratorului

Numele și adresa angajatorului

ICSI Rm. Valcea, Str. Uzinei nr. 4, OP Raureni, CP 7, Rm. Valcea, 240050, Romania

Tipul activității sau sectorul de activitate

Cercetare-dezvoltare

- Perioada

Febr. 2007 – iunie 2008

Funcția sau postul ocupat

analist

Activități și responsabilități principale

Analize fizico-chimice

Numele și adresa angajatorului

Sc Biofarm SA

Tipul activității sau sectorul de activitate

Controlul calitatii

- Perioada

August 2005 – februarie 2007

Funcția sau postul ocupat

chimist

Activități și responsabilități principale

Sinteza chimica organica. Purificarea cromatografica a compusilor

Numele și adresa angajatorului

ICCF Bucuresti

Tipul activității sau sectorul de activitate

Cercetare dezvoltare

### Educație și formare

- Perioada

2008 - 2015

Calificarea / diploma obținută

doctor

Domeniul studiat/ aptitudini ocupationale

Chimie

Numele și tipul instituției de învățământ / furnizorului de formare

Universitatea din Bucuresti, Facultatea de Chimie

• Perioada  
Calificarea / diploma obținută  
Domeniul studiat/ aptitudini  
ocupationale

Numele și tipul instituției de  
învățământ / furnizorului de  
formare

• Perioada  
Calificarea / diploma obținută  
Domeniul studiat/ aptitudini  
ocupationale

Numele și tipul instituției de  
învățământ / furnizorului de  
formare

### Instruiri

2005-2007

Masterat / Chimie Terapeutica

Chimie Terapeutica

Universitatea Bucuresti, Facultatea de Chimie

2001-2005

Licentiata / Chimie

Chimie Organica

Universitatea Bucuresti, Facultatea de Chimie

- iunie 2016, Implementing an effective transition of SR EN ISO 9001 and SR EN ISO 14001 from 2015, using audit and quality improvement techniques”, NOVA Consult, Romania.
- Martie 2016, Scientific Seminar „Comprehensive two-dimensional gas chromatography coupled with mass spectrometry and its applications”, LECOROM Analitica SRL, Romania
- 10-11 martie 2011, Certificat de participare la cursul de instruire “Training in Metrology in Chemistry”, organizat de Institute for Reference Materials and Measurements, Bucharest, Romania.
- 01.03-03.06. 2009, Bursa programul Erasmus Socrates, “An immunomagnetic electrochemical sensor based on unfunctionalized magnetic beads on gold surface for the detection of ochratoxin A”, in Analytical Sciences Laboratory UMR 5180, Claude Bernard University, Lyon 1, France.
- 19-20.12.2007, Certificat de participare la cursul de instruire “Principles and Application of Metrology in Chemistry”, Training in Metrology in Chemistry (TrainMic), organised by Institute for Reference Materials and Measurements, JRC in collaboration with I.N.C.D.M.I Cantacuzino, Bucharest, Romania, SC Mecro Sistem SRL, Bucharest, Romania.
- 11-14.06.2007, Certificat de participare la cursul de instruire „Monitoring of organic pollutants by chromatographic techniques”, organised by Centrul de Cercetare pentru protectia mediului si recuperarea deseurilor, Universitatea Bucuresti in colaborare cu SC Mecro Sistem SRL, Bucharest, Romania.
- 01-03.06.2007, Certificat GMP Training (Cerințe privind personalul, igiena personalului, monitorizarea mediului, controlul calității), S.C. Biofarm SA, Bucuresti.

### Aptitudini și competențe personale

Limba maternă

Limbi străine cunoscute

- Abilitatea de a citi
- Abilitatea de a scrie
- Abilitatea de a vorbi

Competențe și abilități sociale

Competențe și aptitudini  
organizatorice

Competențe și aptitudini tehnice

Competențe și aptitudini de  
utilizare a calculatorului

Permis(e) de conducere

### Romana

**Engleza**

Bine

Bine

Bine

**Franceza**

F. bine

F. bine

F. Bine

- Sunt o persoana dinamica, comunicativa

- Imi place munca in echipa. Spirit de initiativa dezvoltat.

- Cromatografie de lichide de inalta performanta, HPLC

- Spectrometrie de masa cu plasma cuplata inductiv, ICP-MS

- Referent de specialitate la revistele: Journal of Food Composition and Analysis, Food Technology and Biotechnology, Arabian Journal of Chemistry, Sky Journal of Food Science.

- Utilizare Windows, Microsoft Office (Word, Excel, PowerPoint, Access), Origin, XLSTAT – Statistical Software for Excel

- Categoria B

Specializari si calificari	<ul style="list-style-type: none"> <li>- Certificat GMP Training (Requirements for personnel, Personnel Hygiene, Environmental Monitoring, Quality Control), 1 iunie 2007, S.C. Biofarm SA, Bucuresti.</li> <li>- Certificat de absolvire a cursului de perfectionare "Monitorizarea poluantilor organici prin tehnici cromatografice", organizat de "Centrul de cercetari pentru protectia mediului si valorificarea deseurilor" din cadrul Universitatii Bucuresti, in colaborare cu SC Mecro Sistem SRL, 11-14 iunie 2007, Bucuresti</li> <li>- Certificat de participare la cursul "Principles and Application of Metrology in Chemistry", Training in Metrology in Chemistry (TrainMic), organizat de "Institute for Reference Materials and Measurements" ,JRC in colaborare cu I.N.C.D.M.I Cantacuzino, 19-20 dec. 2007, Bucuresti</li> <li>- Stagii de cercetare in strainatate in domeniul sigurantei alimentare, in perioada 01.03.2009-02.06.2009 si 01.11.2009-30.11.2009, dobandind competente in tehnica – Spectroscopie de impedanta electrochimica (EIS). Pe perioada stagiului am unctiouna raport stiintific cu titlul "An immunomagnetic electrochemical sensor based on unctiounalized magnetic beads on gold surface for the detection of ochratoxin A" , in cadrul Laboratorului de Stiinte Analitice UMR 5180, Universitatea Claude Bernard, Lyon 1, Franta.</li> <li>- Certificat de participare la cursul "training in Metrology in Chemistry", organizat de "Institute for Reference Materials and Measurements", 10-11 martie 2011, Bucuresti.</li> </ul>
Informatii suplimentare	<ul style="list-style-type: none"> <li>- Titlul stiintific - CS III ( cercetator stiintific III)</li> <li>- Membru in Societatea Romana de Chimie</li> <li>- Membru in Societatea Romana de Fizica</li> </ul>
Evaluator articole de specialitat (reviewer)	<ul style="list-style-type: none"> <li>- Journal of Food Composition and Analysis</li> <li>- Food Chemistry</li> <li>- Food Analytical Methods</li> <li>- Analytical Letters</li> <li>- Food Technology and Biotechnology</li> <li>- International Journal of Agricultural Policy and Research</li> <li>- International Journal of Environmental Analytical Chemistry</li> <li>- Arabian Journal of Chemistry</li> <li>- Sky Journal of Food Science</li> <li>- Progress of Cryogenics and Isotopes Separation</li> </ul>
Publicatii stiintifice (ResearcherID: B-5799-2012)	<ul style="list-style-type: none"> <li>- 19 articole stiintifice ISI, 10 dintre ele ca prim autor; 2 articole stiintifice publicate in reviste indexate in baze de date internationale; 22 scientific papers published in national journals, 19 participari la conferinte internationale; 50 participari la conferinte nationale</li> </ul>
Citari ISI (Web of Science) h index (Web of Science)	<ul style="list-style-type: none"> <li>- 156, 146 excluzand autocitatile</li> <li>- 5</li> </ul>
Proiecte de cercetare	<ul style="list-style-type: none"> <li>- 19 proiecte, director de proiect pentru 4 proiecte si membru in echipa de cercetare pentru inca 15 proiecte</li> </ul>
Anexe	<ul style="list-style-type: none"> <li>- A. Lucrari stiintifice publicate in reviste cotate ISI</li> <li>- B. Lucrari stiintifice indexate in baze de date internationale</li> <li>- C. Lucrari stiintifice publicate in reviste din tara, recunoscute CNCSIS</li> <li>- D. Lucrari stiintifice publicate in volumele conferintelor internationale</li> <li>- E. Lucrari stiintifice publicate in volumele conferintelor nationale</li> <li>- F. Experienta acumulata in alte programe/proiecte nationale/internationale</li> </ul>

## A. Lucrari stiintifice publicate in reviste cotate ISI

1. **Geană, E.I.**, Sandru, C., Stanciu, V., Ionete, R.E., Elemental Profile and <sup>87</sup>Sr/<sup>86</sup>Sr Isotope Ratio as Fingerprints for Geographical Traceability of Wines: an Approach on Romanian Wines, *Food Anal. Methods*, 2017, Volume 10, pp 63–73, DOI 10.1007/s12161-016-0550-2.
2. Costinel D., Ionete R.E., Botoran O.R., Popescu R., **Geana E.I.**, Stable isotopes (O–H–C) – Optimum markers in protecting designation of origin (PDO) and geographical indication (PGI) of Romanian wines, *Journal of Biotechnology*, Volume 256, Supplement, 30 August 2017, Page S73 (European Biotechnology Congress, 25-27 mai 2017, Dubrovnik, Croatia).
3. Marinaș I.C., Dinu M., Ancuceanu R., Hovaneț M.V., Oprea E., **Geană E.I.**, Lazăr V., The phenols content and phytotoxic capacity of various invasive plants, *Romanian Biotechnological Letters*, Received for publication, July, 8, 2015 Accepted, May, 30, 2016, Vol.X, No.X
4. Botoran, O. R., Ionete, R.E., Costinel, D., Popescu, R., **Geana, E.I.**, Miricioiu, G.M., Influence of climate and origin on the isotopic and elemental profile of fruits, *Journal of Biotechnology* Volume: 231 Supplement: S Pages: S77-S78 Published: AUG 10 2016 IF/2015/2016: 2.667
5. Dinca, O.R., Ionete R.E., Costinel, D., **Geana, E.I.**, Popescu, R., Stefanescu, I., Radu G.L., Regional and Vintage Discrimination of Romanian Wines Based on Elemental and Isotopic Fingerprinting, *Food Analytical Methods* · February 2016, DOI: 10.1007/s12161-016-0404-y, Volume 9, Issue 8, pp 2406–2417.
6. **Geana, E.I.**, Popescu, R., Costinel, D., Dinca, O.R., Stefanescu, I., Ionete, R.E., Bala, C., Verifying the red wines adulteration through isotopic and chromatographic investigations coupled with multivariate statistic interpretation of the data, *Food Control* 62, 2016, 1-9
7. **Geană, E.I.**, Popescu, R., Costinel, D., Dinca, O.R., Ionete, R.E., Stefanescu, I., Artem, V., Bala, C, Classification of red wines using suitable markers coupled with multivariate statistic analysis, *Food Chemistry* 192, 2016, 1015-1024.
8. Popescu, R., **Geană, E.I.**, Dincă, O.R., Sandru, C., Costinel, D., Ionete, R.E., Characterization and botanical classification of Romanian honey *Analytical Letters* 49, 2016, 411-422.
9. **Elisabeta Irina Geana**, Oana Romina Dinca, Roxana-Elena Ionete, Victoria Artem, Violeta-Carolina Niculescu, Monitoring trans-Resveratrol in grape berry skins during ripening and in corresponding wines by HPLC, *Food Technology and Biotechnology*, 53 (1), 2015, 73-80.
10. **Elisabeta Irina Geana**, Adrian Marinescu, Andreea Maria Iordache, Claudia Sandru, Roxana Elena Ionete, Camelia Bala, Differentiation of Romanian Wines on Geographical Origin and Wine Variety by Elemental Composition and Phenolic Components, *Food Anal. Methods*, 2014, (2014) 7:2064–2074, DOI 10.1007/s12161-014-9846-2, impact factor/2012 – 1.969
11. **Elisabeta Irina Geana**, Diana Costinel, Adrian Marinescu, Roxana Elena Ionete and Camelia Bala, Characterization of wines by trans-resveratrol concentration: a case study of Romanian varieties, *Analytical Letters*, 47: 1737–1746, 2014, impact factor/2012 – 0.965
12. Ion Iosub, Francois Kajzar, Aurelia Meghea, Maria-Luiza Mircea, Irina Geana & Ileana Rau, Spectro-Electrochemical Properties of Pelargonidin-3-O-Glucoside, *Molecular Crystals and Liquid Crystals*, Volume 603, Issue 1, 2014, 136-145, IF/2013 - 0.491.
13. Ioana C. Marinas, Eliza Oprea, **Elisabeta-Irina Geana**, Carmen Chifiriuc And Veronica Lazar, Antimicrobial and antioxidant activity of the vegetative and reproductive organs of *Robinia pseudoacacia*, *J. Serb. Chem. Soc.* 79 (0) 1–21 (2014).
14. **Geana, E.I.**, Iordache, A.M., Ionete, R.E., Marinescu A., Ranca A., Culea M. , Geographical origin identification of Romanian wines by ICP-MS elemental analysis, *Food Chemistry*, vol. 138, issue 2-3, 15 May - 1 June 2013, pages 1125-1134, ISSN: 0308-8146, 10.1016/j.foodchem.2012.11.104, factor impact 3,655; scor relativ de influenta 2.73529
15. **Elisabeta-Irina Geana**, Andreea-Maria Iordache, Roxana Elena Ionete, Ochratoxin A Occurrence in Romanian Wines, *Revista de chimie*, Vol. 63, no.9, ISSN: 0034-7752, p. 883-886, 2012- factor de impact 0.599, scor de influenta: 0,125798
16. C. Voica, A. Dehelean, A. Iordache, **I. Geana** , “ Method validation for determination of metals in soils by ICP-MS” *Romanian Reports in Physics*, ISSN: 1221-1451, Vol. 64, No. 1, pp. 221-231, 2012, factor impact 2011: 0,500.
17. Lucian Gabriel Zamfir, **Irina Geana**, Sondes Bourigua, Lucian Rotariu, Camelia Bala, Abdelhamid Errachid, Nicole Jaffrezic-Renault, Highly sensitive label-free immunosensor for ochratoxin A based on functionalised magnetic nanoparticles and EIS/SPR detection, *Sensors and Actuators B: Chemical* 159 (2011), 178-184, impact factor – 3.668
18. **Elisabeta-Irina GEANA\***, Roxana Elena IONETE, Aurelia TUDORACHE, Rodica PASA, Elena POSTOLACHE, Aurora RANCA, Phenolic composition of Romanian wines with different geographical origins, *Asian Journal of Chemistry*, Volume 23/2011, No. 12, 5197-5201, ISSN 0970-7077, factor de impact 0.417/2009
19. **E.I. GEANA\***, A.M. IORDACHE, C. VOICA , A. DEHELEAN, R.E. IONETE, Comparison of three digestion methods for heavy metals determination in soils and sediments materials by ICP-MS technique, *Asian Journal of Chemistry*, Volume 23/2011, No. 12, 5213-5216, ISSN 0970-7077, factor de impact 0.417/2009

## B. Lucrari stiintifice indexate in baze de date internationale (indexate BDI)

1. Ioana-Cristina Marinaș, **Elisabeta-Irina Geană**, Eliza Oprea, Carmen Chifiriuc, Veronica Lazăr, Antimicrobial and antipathogenic activity of *Fallopia japonica* leaves alcoholic extract, *Biointerface Research in Applied Chemistry*, ISSN 2069-5837, Volume 4, Issue 4, 2014, 798-803
2. Ion Iosub, Francois Kajzar, Malgorzata Makowska-Janusik, Aurelia Meghea, **Irina Geana**, Ileana Rau, Electronic Structure, Optical and Electrochemical Properties of Malvidin Molecule Extracted From Grapes, *Display and Imaging*, Vol. 1, pp. 175–193, 2014.

### C. Lucrari stiintifice publicate in reviste din tara, recunoscute CNCSIS

1. **Geană, E.I.**, Ionete, R.E., Niculescu, V., Artem, V., Ranca, A., Changes in polyphenolic content of berry skins from different red grapes cultivars during ripening, *Progress of Cryogenics and Isotopes Separation* Volume 19, issue 2/2016, 95-104.
2. Roxana Elena Ionete, Oana Romina Dinca, **Elisabeta Irina Geana**, Diana Costinel, Macro- and microelements as possible markers of quality and authenticity for fruits and derived products, *Progress of Cryogenics and Isotopes Separation*, Volume 19, issue 1/2016, pg. 55-74.
3. Diana Costinel, Roxana Elena Ionete, Oana-Romina Dinca, Raluca Popescu, **Elisabeta-Irina Geana**, IRMS Methods for Assessing the Quality and origin of Honey Using  $\delta^{13}\text{C}$  and  $\delta^{14}\text{N}$  Isotopic Fingerprints, *Progress of Cryogenics and Isotopes Separation*, Volume 17, issue 2/2014, pp. 25-34.
4. **Elisabeta-Irina Geană**, Roxana Elena Ionete, Alexandru Ciocarlan, Aculina Aricu, Ala Fulga, Nicon Ungur, Marina Podogova, Diana Nikolaeva, *HPLC determination of oleanolic and ursolic acids in apples and by-products*, , *Progress of Cryogenics and Isotopes Separation*, Volume 17, issue 2/2014, pp. 53-62.
5. Victoria Artem, **Elisabeta-Irina Geană**, Arina Oana Antoce, Study of phenolic compounds in red grapes and wines from Murfatlar wine center, *Ovidius University Annals of Chemistry (categoria B+)*, ISSN-1223-7221, Vol. 25, no. 1, 2014, in curs de publicare
6. Silvia Dora IOSUB, Aurelia MEGHEA, **Irina GEANA**, Solvatochromic Parameters Of Some Anthocyanin Derivatives Concentrated From Selective Natural Extracts, *U.P.B. Sci. Bull., Series B*, Vol. 76, Iss. 1, ISSN 1454 – 2331, pp. 25-34, 2014.
7. Roxana Elena Ionete, Oana Romina Dinca, Radu Tamaian, **Elisabeta Irina Geana**, Exploring apis mellifera venom compounds using highly efficient methods, *Progress of Cryogenics and Isotopes Separation* Volume 16, issue 2/2013, pp. 89-100.
8. **Elisabeta-Irina Geana**, Claudia Sandru, Roxana-Elena Ionete, Optimized Method for Analyzing the Mineral Content of Honey, , *Progress of Cryogenics and Isotopes Separation* Volume 16, issue 2/2013, pp. 125-132.
9. **Elisabeta Irina Geana**, Oana Dinca, Diana Costinel, Roxana Elena Ionete, Raluca Popescu, An Overview of Analytical Techniques for Petroleum Hydrocarbons Chemical Fingerprinting, *Revista "Progress of Cryogenics and Isotopes Separation"*, ISSN: 1582-2575, Volume 15, issue 2/2012, pp. 19-24.
10. Diana Costinel, **Geana Irina**, Ionete Roxana, Dinca Oana, Compound-specific carbon isotope analysis of polycyclic aromatic hydrocarbons using gas chromatography combustion isotope ratio mass spectrometry GC/C-IRMS, *Revista "Progress of Cryogenics and Isotopes Separation"*, ISSN: 1582-2575, Volume 15, issue 2/2012, pp. 9-18.
11. **Elisabeta-Irina Geana**, Andreea-Maria Iordache, Roxana Elena Ionete, Simultaneous determination of artificial sweeteners in possible counterfeited wines, using, high performance liquid chromatography with DAD detection, , *Ovidius University Annals of Chemistry (categoria B+)*, ISSN-1223-7221, Vol. 23, no. 1, pp. 77-81, 2012.
12. **Elisabeta Irina Geana**, Andreea Maria Iordache, Roxana Elena Ionete, Analysis and quantification of trans-resveratrol in wine from Muntenia and Oltenia region, Romania, *Proceedings of the 4th International Symposium „New Researchers in Biotechnology” SimpBTH2011*, ISSN 1224-7774, 176-183.
13. Andreea IORDACHE, Diana FLORESCU, **Elisabeta-Irina GEANA**, Roxana IONETE, Monica CULEA, Low-Levels Specification Of Elements In Drinking Waters Using ICP-MS, *Progress of Cryogenics and Isotopes Separation*, Volume 14, issue 2/2011, ISSN: 1582-2575
14. A. RANCA, V. ARTEM, A. GALIP, R. E. IONETE, **I. GEANA**, C. SAVIN, R. PASA, A.VASILE, Practical Analytical Tools For Assessing The Addition Of Synthetic Dyes In Wines, *Progress of Cryogenics and Isotopes Separation*, Volume 14, issue 2/2011, ISSN: 1582-2575
15. **Elisabeta-Irina GEANA**, Andreea-Maria IORDACHE, Gili SAROS, Roxana-Elena IONETE, Determination Of Some Polycyclic Aromatic Hydrocarbons In Surface Water Of Valcea County, *Progress of Cryogenics and Isotopes Separation*, Volume 14, issue 2/2011, 87-94, ISSN: 1582-2575
16. **I. Geana**, A. Iordache, R. Ionete, „Evaluating heavy metal contents in soils using microwave digestion method and ICP-MS technique”, *Proceedings of Nuclear 2010, The third Annual International Conference on Sustainable Development trough Nuclear Research and Education*, 26-28 May, Pitesti Romania,, pag 613-617 , ISSN 2066-2955, 2010
17. **Elisabeta-Irina GEANA**, Andreea-Maria IORDACHE, Roxana-Elena IONETE, Assessing The Wine Anthocyanin Profile For Red Grape Varieties Identification, *Progress of Cryogenics and Isotopes Separation*, Volume 14, issue 1/2011, 127-133, ISSN: 1582-2575
18. Andreea Iordache, **Irina Geana**, Roxana Ionete, Monica Culea, “The optimization of the method for metals content determination in romanian wines by ICP-MS after microwave mineralization”, *Progress of cryogenics and Isotopes Separation*, Volume 13, issue 1/2010
19. **Geana Elisabeta-Irina**, Iordache Andreea-Maria, "Determination of trace elements in ambient particulate matter by inductively coupled plasma-mass spectrometry", *Progress of Cryogenics and Isotopes Separation*, Vol 12, editia 23-24, p.137-143, 2009
20. Aurora RANCA, Victoria ARTEM, Petru BOLOS, Aisel GALIP, Roxana IONETE, **Irina GEANA**, Modern Methods for Identification of Synthetic Dyes used in Counterfeit Wines, *Bulletin UASVM Horticulture*, 67(1)/2010, Print ISSN 1843-5254; Electronic ISSN 1843-5394
21. Andreea IORDACH, Claudia SANDRU, **Irina GEANA**, Levente BARA, Roxana IONETE, Monica CULEA, Metal Concentrations in Sediment and Fish from Topalu Area, *Bulletin USAMV Animal Science and Biotechnologies*, 67(1-2)/2010 Print ISSN 1843-5262; Electronic ISSN 1843-536X
22. Iordache, **I. Geana**, E. Horj, C. Pop, R. Ionete, „*Determination of Metals Content from Wines by Inductively Coupled Plasma Mass Spectrometry*”, *Bulletin UASVM Agriculture*, 67(2)/2010 Print ISSN 1843-5246; Electronic ISSN 1843-5386

#### D. Lucrari stiintifice publicate in volumele conferintelor internationale

1. Costinel D., Ionete R.E., Botoran O.R., Popescu R., **Geana E.I**, Stable isotopes (O–H–C) – Optimum markers in protecting designation of origin (PDO) and geographical indication (PGI) of Romanian wines, European Biotechnology Congress, 25-27 mai 2017, Dubrovnik, Croatia, poster
2. Botoran Oana-Romina, Costinel Diana, Popescu Raluca, **Geana Irina-Elisabeta**, Ionete Roxana-Elena, Multi-compound isotope profiling - an approach to differentiate the varietal origin and harvest year of wines, 3rd European Food Safety and Standards Conference, 24-25 octombrie 2016, Valencia, Spania, Best poster award.
3. **Geana Elisabeta-Irina**, Botoran Oana-Romina, Ionete Roxana-Elena, Assessment of fruit juice authenticity - A chemometric approach based on sugars and organic acids fingerprints, 3rd European Food Safety and Standards Conference, 24-25 octombrie 2016, Valencia, Spania, prezentare orala - premiul Best Presentation Award
4. **Elisabeta-Irina Geană**, Alexandru Ciocârlan, Characterization and classification of apple cultivars based on triterpenoids acids, phenolic constituents and bioactive properties, a 15-a editie a Conferintei Food processing and Technology, 27-29 oct. 2016, Roma, Italia, prezentare orala.
5. R. Popescu, D. Costinel, **I. Geana**, O. Botoran, R.E. Ionete, Y.F.J. 'Alabedallat, M. Botu, Isotopes used in comparing indigenous and international walnut (*Juglans regia* L.) varieties, Conferinta internationala ICAEFBS 2016 "18th International Conference on Agricultural Engineering, Food and Beverage Systems", 01-02 Decembrie 2016, Amsterdam, Olanda, Chairman al Sesiunii II a conferintei, prezentare orala - premiul Best Presentation Award
6. Oana-Romina Botoran, Roxana Elena Ionete, Diana Costinel, Raluca Popescu, **Geana Elisabeta-Irina**, Influence of climate and origin on the isotopic and mineral profile of fruits, European Biotechnology Congress" Riga-Letonia, 05-07.05.2016, poster
7. A.M. Iordache, C. Voica, **I. E. Geana**, S. N. Suvar, R. E. Ionete, M. Culea, Assessment of heavy metals in cosmetic products for health impact, 33rd Informal Meeting on Mass Spectrometry, 10-13 mai 2015, Szczyrk, Poland, poster.
8. **Geană, E.I.**, Sandru, C., Dincă, O.R., Miricioiu, M., Ionete, R.E., Elemental profile and Sr isotope ratio as fingerprints for geographical traceability of Romanian Wines, Internațional Conference Food Safety and Regulatory Measures, Food Safety 2015, 17-19 August 2015, Birmingham, United Kingdom – oral presentation, p. 78.
9. **Geană, E.I.**, Artem, V., Ranca, A., Ionete, R.E., Analysis of the phenolic compounds, anthocyanins and organic acids as chemical markers for varietal authentication of red wines, „In Vino Analytica Scientia Symposium”, IVAS 2015, 14-17 July 2015, Trento, Trentino Alto Adige, Italy, poster, p. 212.
10. Artem, V., Antoce, A.O., **Geană, E.I.**, Ionete, R.E., Ranca, A., Study of the influence of vine cultivation technology on the phenolic composition of the red wines produced from Feteasca neagra and Cabernet Sauvignon cultivars in Murfatlar wine region of Romania, „In Vino Analytica Scientia Symposium”, IVAS 2015, 14-17 July 2015, Trento, Trentino Alto Adige, Italy, poster, p. 219.
11. **Geană, E.I.**, Costinel, D., Dinca, O.R., Ionete, R.E., Verifying the red wines adulteration through isotopic and chromatographic investigations coupled with multivariate statistic interpretation of the data, 3rd North and East European NEEFOOD Congress on Food, 20-24 May 2015, Braşov, Romania, poster, p. 150.
12. Oana-Romina Dinca, Roxana Elena Ionete, Diana Costinel, Raluca Popescu, **Geana Elisabeta-Irina**, Gabriel-Lucian Radu, The use of isotopic and multi-element pattern in the soil-plant system as tool for fruit juices authentication in terms of geographical origin, a 43-a Annual Meeting of the European Society for New Methods in Agricultural Research „Feeding the world: the importance of a sustainable Agriculture and innovative methods”, 3-6 septembrie 2014, Bolzano, Italia, poster
13. Violeta NICULESCU, **Irina Geana**, Roxana IONETE, Nadia PAUN, Viorica PARVULESCU, Highly Ordered Sba-15 For Retention Of Polyphenols From Red Wine, 6<sup>th</sup> International Symposium on Recent Advances in Food Analysis, 5-8 noiembrie 2013, Praga, Cehia, poster.
14. **Elisabeta-Irina Geana**, Oana Romina Dinca, Roxana-Elena Ionete, Victoria Artem, Violeta-Carolina Niculescu, Evolution and analysis of trans-resveratrol in grape berry skins extracts and wine by HPLC, 6<sup>th</sup> International Symposium on Recent Advances in Food Analysis, 5-8 noiembrie 2013, Praga, Cehia, poster.
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16. Andreea Iordache, **Irina Geana**, Roxana Elena Ionete, Adrian Marinescu, Aurora Ranca, Monica Culea, „ICP-MS multi-element analysis of certain Romanian wines and their provenance soils for geographical origin determination”, 30<sup>th</sup> Informal Meeting on Mass Spectrometry, 29 april-3 mai 2012, Olomouc, Czech Republic, p82, ISBN 978-80-244-3047- 8, ISSN 0232-0061, poster.
17. Cezara Voica, Adriana Dehelean, Adrian Pamula, Valentin Mirel, Andreea Iordache, **Irina Geana**, "On the content of metals in samples of water, sediment and soil from Transylvania, using ICP-MS", 37<sup>th</sup> International Conference of slovak Society of Chemical Engineering, 24-28 mai 2010, Slovacia, poster.
18. **Irina Geana**, Andreea Iordache, Cezara Voica, Adriana Dehelean, Roxana Ionete, "Comparison of three digestion methods for elemental determinations in soils and sediments materials by ICP techniques", 37<sup>th</sup> International Conference of slovak Society of Chemical Engineering, 24-28 mai 2010, Slovacia, poster.
19. **Irina Geana**, M. Tudorache, L. Rotariu, N. Jaffrezic-Renault, C. Bala, "EIS-magneto-immunosensor for ochratoxin A determination", Biosensors 2010 20th Anniversary World Congress on Biosensors, 26-28 May 2010, Glasgow, UK, poster.

#### E. Lucrari stiintifice publicate in volumele conferintelor nationale

1. **Elisabeta-Irina Geană**, Roxana Ionete, Victoria Artem, Trans-resveratrol in grape berry skins and wines, 3rd Working Groups meeting and 2nd TT meeting of COST Action FA1403, March 15-17, 2016, Universitatea de Stiinte Agricole si Medicina Veterinara, Bucuresti, Romania, poster

2. **Elisabeta-Irina Geană**, Roxana Ionete, Alexandru Ciocârlan, Aculina Arîcu, Nina Ciocârlan, Evaluation of ursolic and oleanolic acids in some medicinal plant sources, 3rd Working Groups meeting and 2nd TT meeting of COST Action FA1403, March 15-17, 2016, Universitatea de Științe Agricole și Medicina Veterinară, București, Romania, poster
3. **Elisabeta-Irina Geană**, Oana-Romina Botoran, Roxana Elena Ionete, Assessment of fruit juice authenticity using organic acids fingerprint, Simpozionul „Chimie și Dezvoltare”, Facultatea de Științe, Universitatea din Pitești, 13 mai 2016, Pitești, Romania, poster.
4. **Elisabeta-Irina Geană**, Alexandru Ciocârlan, Distribution and evolution of phenolic compounds in skins and seeds of different grape varieties, Al 8-lea Congres European PIGMENTS IN FOOD, 28 iunie – 1 iulie 2016, USAMV Cluj Napoca, Romania, poster
5. **Elisabeta-Irina Geană**, Cornelia Doștețan, Phenolic profile and antioxidant properties of functional foods based on honey and dry fruits, Al 8-lea Congres European PIGMENTS IN FOOD, 28 iunie – 1 iulie 2016, USAMV Cluj Napoca, Romania, poster
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7. **Elisabeta-Irina Geană**, Cornelia Doștețan, Gabriela Vlăsceanu, Iuliana Crișan, The effect of honey supplementation with dry fruits on the bioactive and nutritional properties of resulted functional products, Congresul de Apiterapie, 30.09-02.10.2016, București, Romania – prezentare orală
8. **Elisabeta-Irina Geana**, Raluca Popescu, Diana Costinel, Oana-Romina Botoran, Roxana Elena Ionete, Overview of analytical tools for wine authentication: a Romanian perspective, 15th International Symposium „Prospects for the 3rd Millennium Agriculture”, 29 sept.-01 oct. 2016, Universitatea de Științe Agricole și Medicina Veterinară Cluj Napoca, Romania – prezentare orală
9. **Elisabeta-Irina Geană**, Roxana-Elena Ionete, Alexandru Ciocârlan, Evolution of phenolic compounds in grape berries skins extracts of different grape cultivars, The XXXIV-rd Romanian Chemistry Conference, 4-7 October 2016, Calimanești-Caciulata, Romania - poster
10. **Geană, E.I.**, Ionete, R.E., Niculescu, V., Artem, V., Ranca, A., Changes in polyphenolic content of berry skins from different red grapes cultivars during ripening, A 21-a Conferința națională "Progrese în Criogenie și Separarea Izotopilor", Calimanești-Caciulata, 19-21 Octombrie 2016 – poster
11. Diana Costinel, Roxana Elena Ionete, Oana Romina Botoran, Raluca Popescu, **Irina Elisabeta Geana**, Oxygen isotope ratios in the ethanol and water of Romanian wines as approach in improving the assessment of ethanol origin and illegal watering, A IV-a Conferința Internațională „Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences”, 29 Iunie – 01 Iulie 2016, Brașov, Universitatea Transilvania, poster.
12. Roxana Elena Ionete, Diana Ionela Stegarus, Oana Romina Dinca, Claudia Sandru, **Elisabeta Irina Geana**, Diana Costinel, Characterisation and classification of wines from some grape varieties grown in Romania: An approach based on metals and phenolic compounds, The Fourth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences ” IC-ANMBES 2016”, 29.06-01.07 2016, Brașov, Romania, poster
13. Ionete R.E., Costinel D., **Geana I.**, Dinca O.R., Popescu R., Tamaian R., Tehnici analitice avansate de investigare a produselor apicole, Simpozionul național de Apicultură, ediția a IV-a, "Salvarea Albinei și Apiculturii din România”, 4-5.04.2015, Rm. Valcea, poster.
14. **Elisabeta-Irina Geana**, Diana Costinel, Oana Romina Dinca, Roxana Elena Ionete, Detecting counterfeit red wines through isotopic and chromatographic investigations coupled with statistical interpretation of the data, al 3-lea Congres European pentru Alimentație, 20-24 mai 2015, Brașov, Romania, poster.
15. **Elisabeta-Irina Geană**, Roxana-Elena Ionete, Victoria Artem, Aurora Ranca, Identification of phenolic compounds in red grape varieties grown in Murfatlar vineyard, Romania and changes of their content during ripening, Simpozionul Chimie și Dezvoltare”, organizat de Universitatea Pitești, Facultatea de Științe, 29 mai 2015, Pitești, poster.
16. A M Iordache, C Voica, **E I Geana**, R E Ionete, M Culea, Characterization of Romanian honeys according to their multi-element analysis using ICP-MS, a 10-a International Conference on Processes in Isotopes and Molecules (PIM 2015) organizată de Institutul Național de Cercetare Dezvoltare pentru Tehnologiile Izotopice și Moleculare (INCDTIM), 23-25.09.2015, Cluj-Napoca, Romania, poster
17. **Elisabeta-Irina Geana**, Raluca Popescu, Diana Costinel, Oana Romina Dinca, Roxana Elena Ionete, *Differentiation of Romanian wines according to geographical origin, wine variety and vintage using multivariate analysis of natural chemical composition data*, a 20-a Conferința națională cu participare internațională “ Progress in Cryogenics and Isotopes Separation”, 23-24 octombrie 2014, Calimanești-Caciulata, Romania, prezentare orală.
18. Oana-Romina Dinca, Roxana Elena Ionete, Diana Costinel, Raluca Popescu, **Irina Elisabeta Geana**, Ioan Stefanescu, Gabriel-Lucian Radu, *Evaluation of the most effective combination of stable isotopes and multi-element pattern recognition techniques with multivariate analysis for honey, fruit juices, vinegar and wines botanical and geographical origin discrimination*, a 20-a Conferința națională cu participare internațională “ Progress in Cryogenics and Isotopes Separation”, 23-24 octombrie 2014, Calimanești-Caciulata, Romania, prezentare orală.
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20. **Elisabeta-Irina Geană**, Victoria Artem, Violeta Carolina Niculescu, Roxana-Elena Ionete, *Phenolic composition of five grape varieties from Murfatlar vineyard, Romania*, XXXIII-rd Romanian Chemistry Conference, 1-3 octombrie 2014, Calimanești-Caciulata, Valcea, Romania, poster.
21. Alexandru Ciocârlan, Aculina Arîcu, Ala Fulga, Nicon Ungur, **Irina Geana**, Roxana Ionete, Nina Ciocârlan, Nicoleta Vornicu, *Chemical composition and biological activity of lavender by-products*, XXXIII-rd Romanian Chemistry Conference, 1-3 octombrie 2014, Calimanești-Caciulata, Valcea, Romania, poster.

22. **Elisabeta-Irina Geană**, Roxana Ionete, Alexandru Ciocarlan, Aculina Aricu, Ala Fulga, Nicon Ungur, Nina Ciocarlan, *RP-HPLC analysis of ursolic and oleanolic acids in some medicinal plant sources*, XXXIII-rd Romanian Chemistry Conference, 1-3 octombrie 2014, Calimanesti-Caciulata, Valcea, Romania, poster.
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24. **Elisabeta-Irina Geana**, Andreea Maria Iordache, Roxana Elena Ionete and Camelia Bala, *Characterization and classification of Romanian wines based on elemental and organic fingerprints coupled with chemometrics*, The 13<sup>th</sup> International Symposium „Prospects for the 3<sup>rd</sup> Millenium Agriculture”, 25-27 septembrie 2014, Cluj Napoca, prezentare orala.
25. Violeta Niculescu, **Irina Geana**, Roxana Ionete, Diana Stegarus, A review of the analytical techniques used for monitoring food additives and contaminants, 2<sup>nd</sup> International Conference on Analytical Chemistry-RO-ICAC 2014, 17-21 septembrie 2014, Targoviste, Romania, poster.
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27. Popescu Raluca, **Geana Elisabeta Irina**, Dinca Oana Romina, Sandru Claudia, Costinel Diana, Ionete Roxana Elena, Characterization and botanical classification of Romanian honeys, ICANMBES 2014, 13-15 iunie 2014, Brasov, poster.
28. **Geana Elisabeta Irina**, Dinca Oana, Ionete Roxana Elena, Organic Acids Profile in Fresh Fruit Juices and Wines by HPLC, ICANMBES 2014, 13-15 iunie 2014, Brasov, poster.
29. Costinel Diana, Dinca Oana, **Geana Irina**, Ionete Roxana and Popescu Raluca, Multi-element and multi-isotope ratio analysis of wine for counterfeiting detection and their classification according to Geographical Origin using Multivariate Statistics, ICANMBES 2014, 13-15 iunie 2014, Brasov, poster
30. Victoria Artem, **Elisabeta-Irina Geană**, Arina Oana Antoce, Study of phenolic compounds in red grapes and wines from Murfatlar wine center, CHIMIA 2014, 23-24 mai, Constanta, poster
31. R.E. Ionete, O.R. Dinca, R. Tamaian, **E.I. Geana**, Bee Venom Characterization By High Performance Liquid Chromatography (Hplc) And Maldi-Tof Mass-Spectrometry, International Conference on Processes in Isotopes and Molecules, PIM 2013, 25-27 septembrie 2013, Cluj Napoca.
32. Roxana Elena Ionete, Oana Romina Dinca, Radu Tamaian, **Elisabeta Irina Geana**, Exploring apis mellifera venom compounds using highly efficient methods, The 19<sup>th</sup> Conference With International Participation “Progress In Cryogenics And Isotopes Separation” ICIT Rm.Valcea, 10-11 octombrie 2013, Calimanesti-Caciulata, Valcea, Romania (poster).
33. **Elisabeta-Irina Geana**, Claudia Sandru, Roxana-Elena Ionete, Optimized Method for Analyzing the Mineral Content of Honey, The 19<sup>th</sup> Conference With International Participation “Progress In Cryogenics And Isotopes Separation” ICIT Rm.Valcea, 10-11 octombrie 2013, Calimanesti-Caciulata, Valcea, Romania (poster).
34. **Elisabeta Irina Geana**, Oana Dinca, Diana Costinel, Roxana Elena Ionete, Raluca Popescu, An Overview of Analytical Techniques for Petroleum Hydrocarbons Chemical Fingerprinting, The 18<sup>th</sup> Conference With International Participation “Progress In Cryogenics And Isotopes Separation” ICIT Rm.Valcea, 25-26 octombrie 2012, Calimanesti-Caciulata, Valcea, Romania (poster).
35. Diana Costinel, **Geana Irina**, Ionete Roxana, Dinca Oana, Compound-specific carbon isotope analysis of polycyclic aromatic hydrocarbons using gas chromatography combustion isotope ratio mass spectrometry GC/C-IRMS, The 18<sup>th</sup> Conference With International Participation “Progress In Cryogenics And Isotopes Separation” ICIT Rm.Valcea, 25-26 octombrie 2012, Calimanesti-Caciulata, Valcea, Romania (poster).
36. Andreea Iordache, Claudia Sandru, Cezara Voica, **Irina Geana**, Roxana Ionete, Monica Culea - „Interlaboratory Study for the Determination of Trace Elements in Surface Waters” – prezentata la a II-a Conferinta Internationala „Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences” IC-ANMBES 2012, organizata de Universitatea Transilvania din Brasov (poster).
37. Ion Iosub, Aurelia Meghea, Ileana Rau, **Irina Geana**, “ Studiul spectral al unor sisteme cromofore obtinute din extracte selective de antociani”, Simpozionul anual “Chimie si Dezvoltare”, 25 mai 2012, Pitesti, Romania (poster).
38. **Elisabeta-Irina Geana**, Andreea-Maria Iordache, Roxana Elena Ionete, Analysis and Quantification of Trans-Resveratrol in Wine From Muntenia and Oltenia Region, Romania, The International Symposium of Biotechnology”, 10-11 nov. 2011, USAMV Bucuresti, Romania (poster).
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41. **Irina Geana**, Roxana Inete, Rodica Pasa, Elena Postolache, Aurora Ranca, “Simultaneous determination of five red synthetic colorants in counterfeit wine by reversed phase high-performance liquid chromatography coupled with diode array detection”, the 16-th conference with international participation „Progress in cryogenics and izotopes separation”, ICIT-Rm. Valcea, 13-15 oct. 2010, Calimanesti-Caciulata, Valcea, Romania (poster).
42. Diana Costinel, Roxana Ionete, Aurelia Tudorache, Raluca Vremera, **Irina Geana**, “Investigatii privind determinarea profilul aromatic al vinurilor prin tehnici izotopice si cromatografice”, Sesiunea Stiintifica Anuala a Institutului de Cercetare Dezvoltare pentru Viticultura si Vinificatie Valea Calugareasca, 10 iunie 2010, Valea Calugareasca (poster).
43. **Irina Geana**, Camelia Bala and Nicole Jaffrezic-Renault, An impedimetric immunosensor based on functionalized magnetic nanoparticles for ochratoxin A detection, Sesiunea de comunicari stiintifice studentesti, 7 mai 2010, Bucuresti (prezentare).



44. **Irina Geana**, Madalina Tudorache, Lucian Rotariu, Camelia Bala, Nicole Jaffrezic-Renault, „EIS-immunosensor based on magnetic nanoparticles for ochratoxin A determination”, the 14-th conference with international participation „Progress in cryogenics and isotopes separation”, ICIT-Rm. Valcea, 29-31 oct. 2008, Rm. Valcea (poster)
45. Iordache A., **Biraruti I.**, Ionete R., „Applications of plasma spectrometry and high performance liquid chromatography in environmental and food science”, the 14-th conference with international participation „Progress in cryogenics and isotopes separation”, ICIT-Rm. Valcea, 29-31 oct. 2008, Rm. Valcea (poster).
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49. Tanase C., Cocu F., Caproiu M., Draghici C., Croitoru M., Pintilie L., **Biraruti I.**, Albu F., Postolache C., Matei L., Manda G., „Noi analogi nucleozidici cu fragment oxabicyclo[3,3,0] octanic in structura furanica”, , al IV-lea simpozion cu participare internationala, Bucuresti, 19-20 octombrie 2006 (poster)
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#### F. Experiența acumulată în alte programe/proiecte naționale/internaționale

1. **PN-III-P1-1.1-PD-2016-0518, Contract finanțare: nr. 45PD/2018** “Strategii inovatoare bazate pe tehnici de screening cuplate cu analiza statistică multivariată utilizate pentru evaluarea autenticității vinurilor”, SCREEN WINE – director de proiect
2. **PN-III-P2-2.1-PED-2016-1656, Contract 194PED/2017:** “Metode alternative de analiză pentru detectarea falsificării mierei cu accent pe compușii săi biologic activi”, SAFE-HONEY – director de proiect
3. Programul NUCLEU, proiect **PN 16 36 04 02/2018:** Cercetări avansate privind autentificarea originii produselor alimentare în scopul implementării de metodologii de amprentare inovatoare – Particularizare pentru produse pe bază de fructe
4. Programul NUCLEU, proiect **PN 16 36 04 02 / 2016** - Cercetari avansate privind autentificarea originii produselor alimentare in scopul implementarii de metodologii de amprentare inovatoare – Particularizare pentru produse pe baza de fructe
5. Cadrul interguvernamental COST pentru cooperarea europeană în domeniul științei și tehnologiei, **COST 1403-POSITIVE/2015** : Variația interindividuală ca răspuns la consumul de compuși bioactivi alimentari din plante și determinanții implicați – membru in echipa
6. **Schimbul interacademic 2015, Romania-Moldova**, cu Institutul de Chimie al Academiei de Științe al Republicii Moldova, pe tematica: „Identificarea și caracterizarea compușilor biologic activi din diferite fructe și plante medicinale” – director de proiect
7. Programul NUCLEU, **PN 09 19 01 09 / 2015:** Cercetări privind dezvoltarea metodelor analitice avansate pentru investigarea compușilor biologic activi din produsele naturale utilizate pentru dezvoltarea produselor alimentare funcționale și cosmetice – director de proiect
8. **Schimbul interacademic 2014, Romania-Moldova**, cu Institutul de Chimie al Academiei de Științe al Republicii Moldova, pe tematica: “Evaluarea continutului de acizi ursolic si oleanolic in surse de origine vegetala prin tehnici analitice modern” - Dezvoltarea metodei de separare si cuantificare a continutului de acizi ursolic si oleanolic din surse vegetale, prin HPLC
9. **Convenție de colaborare trilaterală** cu Universitatea Politehnica Bucuresti și Universitatea din Pitesti – Separarea, identificarea și cuantificarea unor principii biologic active cu aplicații biomedicale, prin cromatografie de lichide de înaltă performanță, HPLC.
10. Programul NUCLEU, **PN 09 12 02 08 / 2014** : Cercetari privind dezvoltarea de noi metode de control al unor contaminanti si aditivi in alimentatie
11. Programul NUCLEU, **PN 09 19 02 07 / 2013:** Cercetari privind dezvoltarea de metode analitice avansate de investigare a profilului compozitional al unor produse cu matrice complexa
12. Programul NUCLEU, **PN 09 19 02 06 / 2013:** Cercetari suport privind aplicarea investigatiilor multielement si multiizotopice in stabilirea unor markeri de origine pentru trasabilitatea alimentelor
13. Programul NUCLEU, **PN 09 19 02 05 / 2012:** Cercetari privind caracterizarea si autentificarea produselor naturale pe baza evaluarii profilului lor proteic
14. Programul NUCLEU, **PN 09 19 02 04 / 2012:** Cercetari privind dezvoltarea de noi metode de extractie si separare a unor compusi de tip antocianic si antocianidinic de origine vegetala in scopul utilizarii drept coloranti naturali in alimentatie
15. Programul NUCLEU, **PN 09 19 02 02 / 2012** : Amprentarea izotopica a hidrocarburilor din titei, cu aplicatii in caracterizarea originii si a maturitatii zacamintelor de petrol.
16. Programul NUCLEU, **PN 09 19 02 01 / 2009:** Cercetari privind aplicarea metodelor de analiza izotopica si multielement in vederea definirii autenticitatii si clasificarii geografice a vinurilor romanesti
17. Programul NUCLEU, **PN 09 19 02 03 / 2009:** Evaluarea impactului antropoc asupra mediului inconjurator prin investigatii asupra poluantilor din aer, apa, sol si compararea cu o zona protejata de Parc National
18. Programul NUCLEU, **PN 06 13 03 01 / 2008:** Elaborarea unui sistem complex de monitorizarea calitatii aerului prin determinarea nivelelor de oxizi ai carbonului, azotului si sulfului; realizarea unei baze de date

19. **PNCD II 32-127 / 2008:** Determinarea mecanismului prin care poluanti la nivel de urme, organici si anorganici, cu potential toxic, pot patrunde in apele care alimenteaza mari aglomerari urbane din judetele Cluj si Salaj
20. **PNCD II 52-162 / 2008:** Definirea profilului aromatic al vinurilor din soiuri autohtone prin tehnici izotopice si gaz cromatografice, ca element de autentificare a acestor produse pe piata europeana
21. **Proiect sectorial 5.2.5 / 2008:** Stabilirea metodelor de determinare a produselor falsificate din industria vinului.