

INFORMAȚII PERSONALE



Andreea-Maria IORDACHE

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Sexul Feminin | Data nașterii 13/07/1982 | Nationalitatea Romana

LOCUL DE MUNCA PENTRU
CARE SE CANDIDEAZĂ
POZIȚIA

Propunere Proiect/ Program National- Program Nucleu

EXPERIENȚA PROFESIONALĂ

01 Iunie 2016- Prezent

Cercetator Stiintific gradul 2- CSII

Institutul National de Cercetare-Dezvoltare pentru Tehnologii Criogenice si Izotopice –ICSI Rm. Valcea, Strada Uzinei, nr. 4, 240050, Ramnicu-Valcea, Romania

- Implicata in cercetare aplicata in domeniul metodelor de analiza la nivel de urme pentru verificarea autenticitatii produselor alimentare. Aspecte privind acumularea de metale in diferite matrici de mediu (apa/sediment, sol si plante): Studii de caz;
- Determinarea izotopilor stabili si a rapoartelor izotopice din diferite matrici (apa/sediment, sol, biota) prin spectrometrie de masa cu plasma cuplata inductiv ICP-MS;

Cercetare academica/ Spectrometrie de masa

01 Decembrie 2008-
01 Iunie 2016

Cercetator Stiintific gradul 3 -CSIII

Institutul National de Cercetare-Dezvoltare pentru Tehnologii Criogenice si Izotopice –ICSI Rm. Valcea, Strada Uzinei, nr. 4, 240050, Ramnicu-Valcea, Romania

- Dezvoltare metode de analiza multi-elementala prin ICP-MS, respectiv analiza cantitativa compusi organici volatili si semivolatili prin GC-MS, pentru autentificare produse alimentare, determinare poluanti si alergeni din mediul inconjurator;
- Studii cantitative de urme la poluanti organici din aer, apa, sol; studii de metabolism utilizand trasori marcati cu izotopi stabili (^{13}C , ^{15}N); studiul unor componente cu valoare terapeutica din plante medicinale; analiza cantitativa: aminoacizi, acizi grasi din plasma; studii de transport transmembranar, biomarkeri)
- Certificare/ etalonare concentratie izotopica etaloane de apa grea -D₂O;
- Participare la cursuri initiale de RENAR legate de validarea/incertitudinea de masurare a metodelor de analiza, auditor intern in cadrul ICSI Rm. Valcea;

Cercetare academica/ Spectrometrie de masa

01 Octombrie 2012 -
01 Ianuarie 2015

Cercetator junior (pozitie postdoctorala - mobilitate schimb de experienta postdoctoral)

Institute of Analytical Chemistry, Faculty of Chemistry, University of Vienna, Waehringerstrasse 38, 1090, Vienna, Austria

- Analiza masei intacte si confirmare proteine si peptide prin tehnica MALDI-TOF, respectiv ionizare electrospray (ESI si nanoESI) cuplata cu spectrometrie de masa MS/MSⁿ;

Cercetare academica/ Chimie analitica

01 Octombrie 2012 -
01 Ianuarie 2015

Cercetator junior (pozitie postdoctorala)

Regional Centre of Advanced Technologies and Materials RCPTM, Faculty of Science, Palacký University, Olomouc, Šlechtitelů 27, 78371, Czech Republic

- Implicata in studii de ionizare alternative si dezvoltare de metode spectrometrice de masa; Studiul mecanismelor de desorbție/ionizare implicate in tehnici nano-DESI, ESI și EESI și investigarea factorilor decisivi care influenteaza eficienta surselor de ioni; Evaluarea efectelor de matrice (ioni anorganici, proteine) care influenteaza ionizarea analitilor;
- Testare /instalare si optimizare instrumentala in vederea dezvoltarii aplicatiilor in medicina legala, controlul alimentelor si aplicatii clinice;

Cercetare academica/ Spectrometrie de masa

13 Aprilie 2007
01 Decembrie 2008

Asistent de cercetare-ACS

Institutul National de Cercetare-Dezvoltare pentru Tehnologii Criogenice si Izotopice –ICSI Rm. Valcea, Strada Uzinei, nr. 4, 240050, Ramnicu-Valcea, Romania

- Analize metale grele prin ICP-MS cu aplicatii in controlul calitatii produselor alimentare si de mediu;
- Acreditare RENAR pe matrici de ape;
- Preparare probe de mediu (ape uzate, ape subterane, sol, sediment, namol, pulberi in suspensie) si control alimentar (apa potabila, bauturi alcoolice si non-alcoolice, biota) prin analiza multielement ICP /MS

Cercetare academica/ Spectrometrie de masa.

EDUCAȚIE ȘI FORMARE

01 Octombrie 2006
14 Octombrie 2011

Doctor in fizica

Facultatea de Fizica, Universitatea Babes-Bolyai, Romania

- Biofizica si Fizica atomica si moleculara/ Titlul tezei de doctorat: „*Studiul unor sisteme complexe cu aplicatii biomedicale si ecologice*”

10 Octombrie 2005
01 Februarie 2007

Master in Fizica Medicala

Facultatea de Fizica, Universitatea Babes-Bolyai, Romania
Claude Bernard University, Lyon, France (mobilitate)

- Fizica medicala/ Mobilitate in perioada 01.03.2006-01.08.2006 in domeniul “ISSI Instrumentarea sistemelor de semnal si imagine” dobandind competente in tehnica Rezonantei Magnetice Nucleare(RMN). Titlul lucrarii de licenta: “*Elastografie prin rezonanta magnetica: punerea in functiune a protocolului si cuantificarea pe ficat*”, Laboratorul RMN, Universitatea Claude Bernard Lyon 1, Franta

01 Octombrie 2001
15 Iunie 2005

Licentiat in Fizica Medicala

Facultatea de Fizica, Universitatea Babes-Bolyai, Romania

- Fizica medicala/ Titlul lucrarii de diploma: “*Controlul dozimetric in vivo al tratamentului cancerului de col uterin prin Brahiterapie HDR*”, Institutul de Oncologie “Prof.Dr.I.Chiricuta”,Cluj-Napoca

15 septembrie 1997
15 Iunie 2001

Absolvent Informatica

Colegiul National Mircea cel Batran, Ramnicu Valcea, Romania

- Limbaje de programare

COMPETENTE PERSONALE

Limba(i) maternă(e)

Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C1/2	C1/2	C1/2	C1/2	C1/2
Franceza	A1/2	A1/2	A1/2	A1/2	A1/2

Scrieți denumirea certificatului. Scrieți nivelul, dacă îl cunoașteți.

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
Cadrul european comun de referință pentru limbi străine

Competențe organizaționale/manageriale

- Consultanța tehnică/mentenanța de specialitate în domeniul echipamentelor de cercetare
- Experiența pe proiecte naționale și internaționale.

Competențe dobândite la locul de muncă

- Cursuri de instruire acreditare laboratoare Renar în perioada 06.11.2008-07.11.2008, București: „Validarea metodelor”
- Cursuri de instruire acreditare laboratoare Renar în perioada 28.01.2008-01.02.2008, Brașov: «Cerinte generale pentru competența laboratoarelor de încercări și etalonări » SR EN ISO/CEI 17025:2005 și „Auditarea sistemelor de management al calității și de mediu” SR EN ISO 19011:2003
- Cursuri de perfecționare la „European School of Medical Physics”, ESMP, Geneva – France, în domeniul «Computerizare medicală», «Radioterapie», «Brahiterapie», 15.11.2006-05.12.2006
- Cursuri de perfecționare la “European School of Medical Physics”, ESMP, Geneva – France, în domeniul «Imagistica medicală: Principii, Ultrasunete și Rezonanța Magnetică», «Imagistica medicală cu radiații ionizante», 27.10.2005- 16.11.2005
- Responsabil cu auditul intern al calității laboratoarelor - ICSI Rm. Valcea
- Cursuri pe FTIR în domeniul certificare/ etalonare concentrație izotopică etaloane de apă grea -D₂O.

Competențe informatice

- Microsoft Windows XP & Microsoft Windows 10
- Microsoft Office 2013

Alte competențe

- Sportul , Cititul

Permis de conducere

- permisului de conducere categoria B

INFORMATII SUPLIMENTARE
Afilieri:

Secretar sucursala Rm.Valcea al Societatii Romane de Fizica si Societatea Europeana de Fizica SRF www.srfizica.ro
 Membru al Societatii Romane de Biofizica Pura si Aplicata: www.biophysicsnet.ro

Proiecte:

Programul/Proiectul	Funcția	Perioada: de la... până la...
CZ.1.07/2.3.00/30.0004 , ECOP proiect POSTUP (Support for the creation of excellent research teams and intersectoral mobility at Palacký University in Olomouc); coordinator: Prof. Jitka Ulrichová, Faculty of Medicine and Dentistry, Palacký University; provider: MYES, Czech Republic/EU (M. Šebela – mentor, F. Dyčka - postdoc) http://www.psup.cz/postup .	Cercetator junior Pozitie postdoctorala la UPOL Republica Ceha	2012-2015
CTR.32-127/01.10.2008: “Determinarea mecanismului prin care poluanți la nivel de urme, organici și anorganici, cu potențial toxic, pot patrunde în apele care alimentează mari aglomerări urbane din județele Cluj și Salaj” –ITIM Cluj Napca.	Responsabil proiect din partea ICSI Rm Valcea	2008-2011
ID_501/01.10.2007, “Studii spectroscopice și teoretice pe sisteme moleculare complexe de interes biomedical”.	Partener cu UBB Cluj Napoca	2007-2011
MENER 2006: “Dezvoltarea unui sistem de urmărire a influenței compusilor organici volatili în controlul calității alimentelor, conform standardelor UE”.	Colaborator	10.01.2006-10.11.2008
Elaborarea unui sistem complex de monitorizarea calității aerului prin determinarea nivelurilor de oxizi ai carbonului, azotului și sulfului; realizarea unei baze de date.	Colaborator	2005 - 2007

Referințe:

Prof. univ. dr. Lemr Karel, supervisor studii postdoctorale, Dept. Chimie Analitică, Regional Centre of Advanced Technologies and Materials RCPTM, Faculty of Science, Palacký University, Olomouc, Czech Republic
 Prof. univ. dr. Cozar Onuc (Coordonator științific doctorat), Universitatea “Babeș-Bolyai”, Cluj-Napoca, Romania
 Prof. univ. dr. Culea Monica, “Babeș-Bolyai” University, Cluj-Napoca, Romania
 Dr. chim. Stanciu Vasile, Director Științific ICSI Rm Valcea.

Carti internationale/nationale:

1. **“Aspects on the accumulation of trace metals in various environmental matrices (Water, Soil, Plant and Sediments): Case study on catchment area of the Somes River, Romania**, Cezara Voica, *Andreea-Maria Iordache**, Roxana Elena Ionete, Ioan Stefanescu, Water Quality, chapter 12, Book edited by Hlanganani Tutu, ISBN 978-953-51-2882-3, print ISBN 978-953-51-2881-6, 23 pages, published January 18, 2017, <http://dx.doi.org/10.5772/65700>
2. **“Aplicații biomedicale și ecologice prin spectrometrie de masă”**, *Iordache Andreea*, Monica Culea, Corelia Mesaroș, Ioan Ștefănescu, Editura Risoprint, Cluj-Napoca, ISBN 978-973-53-0784-4, 543.421, 2012
3. **“Diagnosticare prin GC-MS”**, Mesaros Cornelia, Monica Culea, *Iordache Andreea*, Editura Risoprint, Cluj-Napoca, ISBN 978-973-53-0762-2, 543.544, 2012.

Publicatii indexate de Thomson Reuters Master Journal List cu factor de impact (IF):

1. Ramona Bleiziffer, Cornelia Mesaros, Sonia Suvar, Paula Podea, *Andreea Iordache*, Florentina-Diana Yudin, Monica Culea, **„Comparative characterization of basil, mint and sage extracts”**, Studia UBB Chemia, LXII, 2, Toml, 373-385, 2017
2. Culea Monica; *Iordache Andreea Maria*; Horj Elena; Mesaros Cornelia ; Bleiziffer Ramona, **„GC-MS methods for amino acids determination in different biological extracts”**, *Studia Universitatis Babes-Bolyai Chemia* ISSN: 1224-7154, Volume: 61, Issue: 1, Pages: 213-222, 2016
3. S. Șuvar, R. Bleiziffer, P. Podea, *A. Iordache*, C. Voica, R. Zgavarogea, M. Culea, **„A comparative mass spectrometric study of fatty acids and metals in some seed extracts”**, European Journal of Mass Spectrometry, Issue 22, 253–260, ISSN 1469-0667, doi: 10.1255/ejms.1448, 2016
4. Pavel Sistik, Miroslav Turjap, *Andreea Maria Iordache*, Helena M.E.B Saldanha, Karel Lemr, Petr Bednar, **„Quantification of selected antidepressants and antipsychotics in clinical samples using chromatographic methods combined with mass spectrometry: A review (2006-2015)”**, Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub., X:X, dx.doi.org/10.5507/bp.2015.065, 2016
5. Cezara Voica, Ioana Feher, *Andreea Maria Iordache*, Gabriela Cristea, Adriana Dehelean, D. Alina Magdas, Valentin Mirel, **„Multielement analysis of coffee by inductively coupled - plasma mass spectrometry”**, Analytical Letters -Taylor & Francis Online, ISSN 0003-2719, 2016
6. Martina Hermannová, *Andreea-Maria Iordache*, Kristína Slováková, Vladimír Havlíček, Helena Pelantová, Karel Lemr – **„Arrival time distributions of product ions reveal isomeric ratio of deprotonated molecules in ion mobility-mass spectrometry of hyaluronan derived oligosaccharides”**, Journal of Mass, Spectrometry, 2015, Vol 50, Issue 6, pg. 854-863, ISSN 1076-5174, DOI: 10.1002/jms.3596, (IF/2014: 2,379), 2015
7. Cezara Voica, Roxana Elena Ionete, Monica Culea, Sonia Suvar, *Andreea Maria Iordache*, **“Assessment of trace elements in fish tissues as tool for monitoring pollution in the aquatic ecosystem”**, Czech Chem. Soc. Symp. Ser – Chemicke Listy, 13, 78-80, 2015
8. Sonia Suvar, *Andreea Maria Iordache*, Cezara Voica, Roxana Elena Ionete, Ramona Bleiziffer, Monica Culea, **“Comparison of nutrients composition of some vegetable oils”**, Czech Chem. Soc. Symp. Ser – Chemicke Listy, 13, 146-148, 2015
9. Sonia Suvar, Elena Horj, Paula Podea, *Andreea Maria Iordache*, Daniel Gocan, Monica Culea, **„Fatty acids determination in trout plasma and meat by GC-MS”**, Studia Universitatis Babes-Bolyai Chemia, vol 60, issue 2, 109-116, ISSN 1224-7154, 2015
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 Analytical Methods*, November 2014, Volume 7, Issue 10, pp 2064-2074, DOI 10.1007/s12161-014-9846-2, Published on line, 04.04.2014, ISSN: 1936-9751 (print version), ISSN: 1936-976X (electronic version), 2014
11. Geana Irina, *Andreea Iordache*, Roxana Elena Ionete, Adrian Marinescu, Aurora Ranca, Monica Culea, **„Geographical origin identification of Romanian wines by ICP-MS elemental analysis”**, *Food Chemistry*, 138, 1125-1134, ISSN 0308-8146, <http://dx.doi.org/10.1016/j.foodchem.2012.11.104>, 2013
12. Florescu Diana, *Andreea Maria Iordache*, Diana Costinel, Elena Horj, Roxana Elena Ionete, Monica Culea, **„Validation procedure for assessing the total organic carbon in water samples”**, Romanian Journal of Physics (Rom J Phys), vol. 58, issue 1-2; pg. 211-219, ISSN: 1221-146X, 2013
13. Cezara Voica, Adriana Dehelean, *Andreea Iordache*, Irina Geana, **„Method validation for determination of metals in soils by ICP-MS”**, Romanian Reports in Physics, 64, 1, 221-231, ISSN 1221-146X, 2012
14. Cezara Voica, Melinda Haydee Kovacs, Adriana Dehelean, Dumitru Ristoiu, *Andreea Iordache*, **„ICP-MS determinations of heavy metals in surface waters from Transylvania”**, Romanian Journal of Physics, 57, no. 7-8, 1184-1193, 2012
15. Irina Geana, *Andreea Iordache*, Roxana Elena Ionete, **„Ochratoxin A occurrence in Romanian wines”**, Revista de chimie, vol 63, issue 9, 883-886, ISSN 0034-7752, 2012
16. Irina Geana, *Andreea Iordache*, Cezara Voica, Roxana Ionete, Monica Culea, **„Comparison of three digestion methods for heavy metals determination in soils and sediments materials by ICP-MS technique”**, Asian Journal of Chemistry, 23, 12, 5213-5216, ISSN: 0970-7077, 2011

17. Andreea Iordache, Monica Culea, Elena Horj, Onuc Cozar, „**Determination of amino acids and selenium in fish plasma**”, *Romanian Journal of Physics*, 56, 7-8, 963-970, ISSN 1221-146X, 2011
18. Diana Florescu, Roxana Elena Ionete, Claudia Sandru, Andreea Iordache, Monica Culea, „**The Influence of Pollution Monitoring Parameters in Characterizing the Surface Water Quality from Romania Southern Area**”, *Romanian Journal of Physics*, 56, Number 7-8, 1001-1010, ISSN 1221-146X, 2011
19. Andreea Iordache, Elena Horj, Alina Toma, Onuc Cozar, Monica, „**Amino acid composition of two carp species by GC-MS**”, Culea, *Asian Journal of Chemistry*, 23, 11, 4757-4760, ISSN: 0970-7077, 2011
20. Elena Horj, Andreea Iordache, Alina Toma, Onuc Cozar, Monica Culea, „**Determination of fatty Acid Composition of Two Carp Species by GC-MS**”, *Asian Journal of Chemistry*, 23, 11, 4768-4770, ISSN: 0970-7077, 2011
21. Diana Florescu, Roxana Elena Ionete, Andreea Iordache, Elena Horj, Ioan Stefanescu, Monica Culea, „**Optimal Measurements of Surface Water Pollution-Case Study on Southern Part of Romania**”, *Asian Journal of Chemistry* 23, 12, 5209-5212, ISSN: 0970-7077, 2011
22. Monica Culea, Elena Horj, Andreea Iordache, Onuc Cozar, „**Determination of Glycine in Biological Fluids by Isotopic Dilution Mass Spectrometry**”, *Asian Journal of Chemistry*, 23, 10, 4279-4281, ISSN: 0970-7077, 2011
23. Diana Florescu, Roxana Elena Ionete, Andreea Iordache, Elena Horj, Ioan Stefanescu, „**Optimal Measurements of Surface Water Pollution-Case Study on Southern Part of Romania**”, Monica Culea, *Asian Journal of Chemistry* 23, 12, 5209-5212, ISSN: 0970-7077, 2011
24. Horj Elena, Iordache Andreea, Culea Monica, „**Isotopic Dilution GC/MS Method for Methionine Determination in Biological Media**”, American Institute of Physics AIP Conference Proceedings, 1387, 241-246, ISSN 0094-243 (print), ISBN 978-0-7354-0951-4, 2011
25. Monica Culea, Elena Horj, Andreea Iordache, Diana Florescu, „**Amino acids determination in dry fermented salami**”, *Chemicke Listy*, nr.105, s 1047-s 1048, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), Brno, Cehia, 2011
26. Andreea Iordache, Elena Horj, Alina Rodica Toma, Cornelia Mesaroş, Simona Morar, Onuc Cozar, Monica Culea, „**Amino Acids Profiles in Biological Media**”, American Institute of Physics (AIP), AIP Conference Proceedings, 1262, 192-197, ISBN 978-0-7354-0810-4, ISSN 0094-243X, 2010
27. Monica Culea, Andreea Iordache, Onuc Cozar, „**Allegens Determination by GC/MS**”, *Journal of Environmental Protection and Ecology- JEPE*, 11, 2, 523-528, ISSN 1311-5065, Science Citation Index Extended (SCIE) by Thomson Scientific and Elsevier Abstracts: Geobase, EMBiology & Scopus, 2010
28. Monica Culea, Elena Horj, Andreea Iordache, „**A new caffeine test for diagnosis of cirrhosis by**”, *Asian Journal of Chemistry*, 22, 3608-3614, 2010
29. Andreea Iordache, Monica Culea, G. Gherman, Onuc Cozar, „**Characterization of some plant extracts by GC-MS**”, *Nuclear Instruments and Methods in Physics Research B*, 267, 338-342, ISSN: 0168-583X, 2009
30. Monica Culea, Andreea Iordache, Onuc Cozar, Dumitru Ristoiu, „**Trihalomethanes analysis in drinking water**”, *Journal of Environmental Protection and Ecology- JEPE*, 10, 2, 342-350, ISSN 1311-5065, Science Citation Index Extended (SCIE) by THOMSON Scientific and Elsevier Abstracts: Geobase, EMBiology & SCOPUS, 2009
31. Andreea Iordache, Monica Culea, M. Jimborean, Adela Pinte, M. Chiriac, „**Cheese amino acids characterization by isotopic dilution GC-MS**”, *Journal of Environmental Protection and Ecology- JEPE*, 10, 1, 149-155, ISSN 1311-5065, Science Citation Index Extended (SCIE) by Thomson Scientific and Elsevier Abstracts: Geobase, EMBiology & Scopus, 2009
32. Andreea Iordache, Monica Culea, Onuc Cozar, „**Characterization of some extracts for therapeutic use by GC/MS**”, *Journal of Physics: Conference Series*, 182, 1-5, 012027, 2009
33. Andreea Iordache, Monica Culea, Onuc Cozar, „**Comparative extraction methods of some biologic active compounds in herbs**”, "Chemické listy" *Journal*, 102, s667-669, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), 2008
34. Andreea Iordache, Monica Culea, Onuc Cozar, „**Rapid authentication of natural juices by GC-MS**”, "Chemické listy" *Journal*, 102, s665-666, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), 2008
35. Andreea Iordache, Radu Minea, Monica Culea, Camelia Lehene, „**Gas Chromatography-Mass Spectrometry characterization of sea buckthorn**”, "Chemické listy" *Journal*, 102, s663-664, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), 2008
36. Monica Culea, Andreea Iordache, Cornelia Mesaros, „**Aminoacid Profiles Monitoring For Diagnosis**”, "Chemické listy" *Journal*, 102, s636-638, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), 2008
37. Radu Tamaian, Nadia Paun, Violeta Niculescu, Andreea Iordache, Raluca Vremera, Stefania Broscatean, „**Antibiotic Effects Of The Naphtoquinonic Derivative On Gram- Positive And Gram-Negative Germs**”, "Chemické listy" *Journal*, 102, s479-s481, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), 2008
38. Cornelia Mesaros, Monica Culea, Andreea Iordache, „**Diagnosis of cirrhosis by GC/MS**”, "Chemické listy" *Journal*, 102, s961-s962, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), 2008.

Publicatii indexate de Thomson Reuters Master Journal List fara factor de impact (IF) sau in alte baze de date internationale:

1. Ramona Zgavarogea, Cristina Covaliu, Violeta Niculescu, Marius Miricioiu, Nadia Paun, Andreea Iordache, Marin Neacşa, „**Membrane Bioreactor (MR) Technology- A New And Effective Treatment Of Wastewater**”, *Processes In Isotopes And Molecules*, 2016
2. Elisabeta-Irina Geana, Andreea-Maria Iordache and 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", vol 23, nr.1, p 77-81, ISSN + 1223+7221, 2012, <http://www.univ-ovidius.ro/anale-chimie> (categoria B+)

3. Florescu Diana, *Iordache Andreea*, Picioara Iuliana, Ionete Roxana Elena – "Assessment of heavy metals contents in soil from an industrial plant of southern part of Romania", *Advances in Environmental Sciences - International Journal of the Bioflux Society*, 3(2), 206-210, 2011, indexed ISI and CNCSIS B+; Online ISSN 2065-7647; Printed ISSN 2066-7620, <http://www.aes.bioflux.com.ro/home/volume-3-2-2011/>
4. *Andreea Iordache*, Diana Florescu, Roxana Ionete, Monica Culea, „Low-levels specification of elements in drinking waters using ICP-MS, „Chemicke Listy“, 105, 18, s1039, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), Brno, Cehia, 2011
5. *Andreea Iordache*, Cezara Voica, Diana Florescu, Roxana Ionete, Monica Culea, „The potentialities of multi-element composition and ⁸⁷Sr/⁸⁶Sr ratio of wine provenance“, *Chemicke Listy*, 105, 8, s1038, ISSN: 1213-7103, 0009-2770 (printed), 1803-2389 (CDROM), Brno, Cehia, 2011
6. Diana Florescu, *Andreea Iordache*, Gili Saros, Felicia Bucura, Marius Constantinescu, Roxana Ionete, Monica Culea „Investigation and monitoring of ambiental pollutants of atmosphere from in situ collected samples in an industrial area“, *Chemicke Listy*, 105, 8, s 985, 2011, ISSN: 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), Brno, Cehia, 2011
7. Diana Florescu, *Andreea Iordache*, Elena Horj, Roxana Ionete, Claudia Sandru, Monica Culea, „Trace of heavy metals in fish tissues, sediment and water from Danube river in Romania“, *Chemicke Listy*, 105, 8, s984, ISSN: 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), Brno, Cehia, 2011
8. Diana Florescu, *Andreea Iordache*, Elena Horj, Roxana Ionete, Ioan Stefanescu, Monica Culea, „SIM-GC/MS determination of BTEX in ambiental air“, *Chemicke Listy*, 105, 8, s984, ISSN: 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), Brno, Cehia, 2011
9. *Andreea Iordache*, Diana Florescu, Elena Horj, Monica Culea, „Fatty acids determination in biological samples by GC-MS, *Chemicke Listy*“, nr.105, s1015, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), Brno, Cehia, 2011
10. Elena Horj, *Andreea Iordache*, Diana Florescu, Monica Culea, „Leucine transmembranar transport study in human red cell“, , *Chemicke Listy*, nr.105, s 1048-s 1049, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), Brno, Cehia, 2011
11. Monica Culea, Elena Horj, *Andreea Iordache*, Diana Florescu, „Amino acids determination in dry fermented salami“, *Chemicke Listy*, nr.105, s 1047-s 1048, 2011, ISSN 1213-7103, 0009-2770 (printed), 1803-2389 (CD-ROM), Brno, Cehia, 2011
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