



## Curriculum vitae Europass



### Informații personale

Nume / Prenume **ROBA Carmen-Andreea**  
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Naționalitate Română

### Studii efectuate / diplomele obținute

<b>Perioada</b> Calificarea / diploma obținută Numele și tipul instituției de învățământ / furnizorului de formare	<b>Iunie 2014 – Septembrie 2015</b> Studii nivel post doctoral, Domeniu: Știința Mediului Universitatea „Babeș-Bolyai”, Facultatea de Știința și Ingineria Mediului, Cluj-Napoca
<b>Perioada</b> Calificarea / diploma obținută Numele și tipul instituției de învățământ / furnizorului de formare	<b>Octombrie 2005 – Octombrie 2010</b> Studii nivel doctoral / Diploma Doctor Universitatea „Babeș-Bolyai”, Facultatea de Știința și Ingineria Mediului, Cluj-Napoca
<b>Perioada</b> Calificarea / diploma obținută Numele și tipul instituției de învățământ / furnizorului de formare	<b>Octombrie 2004 – Octombrie 2005</b> Studii nivel master / Diplomă de master Universitatea „Babeș-Bolyai”, Facultatea de Știința și Ingineria Mediului, Cluj-Napoca
<b>Perioada</b> Calificarea / diploma obținută Numele și tipul instituției de învățământ / furnizorului de formare	<b>Octombrie 2000 – Octombrie 2004</b> Studii nivel licență / Diplomă de licență Universitatea „Babeș-Bolyai”, Facultatea de Chimie și Inginerie Chimică, Cluj-Napoca

### Experiența profesională

Cercetător științific CS II	Noiembrie 2018 – prezent
Cercetător științific CS III	Octombrie 2014 – Noiembrie 2018
Cercetător științific	Decembrie 2008 – Septembrie 2014
Doctorand cu frecvență	Octombrie 2005 – Octombrie 2010

**Aptitudini și competențe personale**

Limba(i) maternă(e) Română

Limba(i) străină(e) cunoscută(e) **Engleză, Franceză**

Autoevaluare

Nivel european (\*)

**Engleză****Franceză**

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator independent	C1	Utilizator independent	B2	Utilizator independent
B2	Utilizator independent	B1	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent

(\*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

**Domenii de interes**

- Analiza instrumentală a poluanților anorganici prezenți în mediu prin spectrometrie de absorbție atomică și ion cromatografie
- Evaluarea calității mediului
- Evaluarea riscului asupra sănătății umane asociat cu expunerea populației la diferiți compuși chimici

**Informatii suplimentare****Referent jurnale cotate ISI / indexate BDI:**

Journal of Environmental Radioactivity; Central European Journal of Chemistry ; Desalination and Water Treatment (DWT) ; The Arabian Journal for Science and Engineering ; African Journal of Agricultural Research ; Zeitschrift fuer Naturforschung A ; Journal of Scientific Research

**Editor jurnale cotate ISI:**

1. Arabian Journal of Geosciences (Springer)
2. Sustainability journal\_ Special Issue "Soil Microbial Diversity and the Sustainability of Agricultural Soils in Eastern Europe" (MDPI)

**Activități de promovare a facultății**

Junior Summer University (2014); Ziua porților deschise - student pentru o zi (Edițiile 2011 –2014); Noaptea Europeană a Cercetătorilor (2020)

**Anexe**

1. Proiecte de cercetare-dezvoltare în calitate de responsabil / membru echipă proiect
2. Burse de cercetare / stagii de cercetare efectuate în țară / străinătate
3. Listă lucrări științifice
4. Participări la conferințe desfășurate în străinătate / în țară
5. Participări la școli de vară, cursuri/seminarii de perfecționare profesională

Data 12.05.2021

CS II dr. Roba Carmen-Andreea

## Anexa 1. Proiecte de cercetare-dezvoltare în calitate de responsabil / membru echipă proiect

### A. Responsabil partener

1. “Cercetare aplicată pentru dezvoltare sustenabilă și creștere economică urmând principiile geoconservării: În sprijinul inițiativei Geoparcul UNESCO Ținutul Buzăului” (EEA-JRP-RO-NO-2013-1-0135) (Iulie 2014 – Aprilie 2017)
2. “Analiza miARN ca posibili biomarkeri cu valoare de predicție pentru tratamentul cancerului de col uterin, în relație cu expunerea la factorii de mediu, arsen, ftalați și cotinină (Cervicall-arsen-array)” (PN-II-PT-PCCA-2011-3.2-1328) (Iulie 2012 – Decembrie 2016)

### B. Membru echipă partener proiect

1. “INstrumente de modelare a proceselor de inTERfață Apă – Sol – Plante– Aer pentru administrarea inteligentă și durabilă a bazinelor hidrografice și a ecosistemelor dependente de apa subterană” PN-III-P1-1.2-PCCDI-2017-0721 (Mar. 2018 – prezent)
2. EIT Food RIS - Atelier de Implicare a Consumatorilor 2021 EIT Food RIS - CEL 2021 31823/23.04.2021 (23 Aprilie 2021 – prezent)
3. ROSE - Romania Secondary Education SGU - Schema de Granturi pentru Universitati - programe de vara de tip punte (25 Aprilie – prezent)
4. “Dezvoltarea și optimizarea tehnologiei de fabricare a ceramicelor poroase utilizate în horticultură – CERAM-F” Bridge grant – transfer de cunoaștere la agentul economic PN-III-CERC-CO-BG-2016 (Nov. 2016 – prezent)
5. “Sistem multiparametric pentru monitorizarea fermentării vinului – SENS-WINE” (PN-II-PT-PCCA-2013-4-0297) (August 2014 – Septembrie 2017)
6. Tools for sustainable gold mining in EU (SUSMIN) ERA NET – ERA MIN Project 3-005 SUSMIN (Mar. 2014 – Dec. 2016)
7. “Emisii geogene de gaze cu efect de seră din sisteme geotermale și petrolifere - aplicatie in Romania” PN-II-ID-PCE-2011-3-0537 (Oct. 2011 – Dec. 2016)
8. “Participarea la programele științifice ale ESA – Agenția Spațială Europeană” (Program de Cercetare-Dezvoltare-Inovare - Tehnologie Spațială și Cercetare Avansată – STAR) (Oct. 2012 – Dec. 2015)
9. “Impact Monitoring of Mineral Resources Exploitation - IMPACTMIN” 7<sup>th</sup> FWP (Seventh Framework Program) (Mar. 2010 – Dec.2012 )
10. “Schools Indoor Pollution and Health : Observatory Network in Europe (SINPHONIE)” 7<sup>th</sup> FWP (Seventh Framework Program) (Oct. 2010 – Sept. 2012)
11. “Monitorizarea calității aerului urban în județul Cluj în contextul condițiilor climatice actuale – AERURBAN” (proiect nr. 91 din 13.09.2007, ANCS-PN II, Modul I Capacități) (Ian. 2007 – Ian. 2010)

## Anexa 2. Burse de cercetare / stagii de cercetare efectuate în țară / străinătate

1. Stagiul de cercetare finanțat în cadrul proiectului “Sistem multiparametric pentru monitorizarea fermentării vinului – SENS-WINE” (PN-II-PT-PCCA-2013-4-0297); Domeniu: analiza unor compuși organici în probe de vin prin cromatografia de lichide / Iulie 2017/ Departamentul de Chimie Analitică – Universitatea Panonia – Veszprem (Ungaria)
2. Bursă doctorală CEEPUS (Central European Exchange Program for University Studies); Domeniu: Analiza poluanților organici în apă / Aprilie 2010 - Iunie 2010/ Facultatea de Inginerie și Tehnologie Chimică, Universitatea din Zagreb, Croația
3. Bursă doctorală „World Federation of Scientists” Scholarship award – Geneva, Elveția. Domeniu: resurse regenerabile de energie / Aprilie 2008 - Septembrie 2008 / Universitatea „Babeș-Bolyai”, Facultatea de Știința și Ingineria Mediului, Cluj-Napoca, România

### Anexa 3. Listă lucrări științifice

#### A. Cărți / manuale publicate:

1. Beldean-Galea MS, Haiduc Iv, Roba CA, Chimia Verde. Principii si aplicatii, Ed. Presa Universitara Clujeană, ISBN 978-973-595-536-6, 287 pg, **2013**.
2. Dobrotă C, Roba CA, Ecologia plantelor de cultură, Ed. Risoprint, ISBN 978-973-53-0928-2, 241 pg, **2012**.

#### B. Capitole în cărți / monografii

1. Mitrofan H, Roba C, Mineralizarea apelor, In: Ghid de folosire a mediului, Ed. Popa RG, tipărit de Square Media, ISBN 978-973-0-25714-4, 25-26, **2017**
2. Popa RG, Mitrofan H, Niculae L, Roba C, Burhele BD, Cum ne protejăm de hazarde? In: Ghid de folosire a mediului, Ed. Popa RG, tipărit de Square Media, ISBN 978-973-0-25714-4, 40 – 44, **2017**
3. Roba CA, Călburean R, Olah St, The Romanian-Denmark joint implementation project designated for the improvement of the geothermal energy use in Romania. Case study: Oradea and Beius, In: Environmental Issues in the Context of Sustainable Development, Eds: Petrescu-Mag RM, Petrescu DC, Burny P, Les Presses Agronomiques de Gembloux & Bioflux Publishing House, ISBN 978-606-8191-14-0, 183-195, **2011**
4. Boboș LD, Roba CA, Haiduc A, Oltean A, Haiduc Iv, Indoor air pollution. NO<sub>2</sub> from combustion sources, In: Multiple negative effects of replacing central heating systems of building blocks in Romania with industrial thermal appliances fuelled with natural gas (“Apartment” Heaters, Convectors, etc), Vol I, Second edition, Eds: Benga G, Haiduc Iv, Fowler D, Năstase IM, “Iuliu Hațieganu” University Medical Publishing House, Cluj-Napoca, 27-40, **2004**

#### C. Articole cotate ISI

1. **Roba C**, Bălc R, Creța F, Andreica D, Pădurean A, Pogăcean P, Chertes T, Moldovan F, Mocan B, Roșu C, **2021**, Assessment of groundwater quality in NW of Romania and its suitability for drinking and agricultural purposes, *Environmental Engineering and Management Journal*, 20/3, p 435-447
2. Farkas A, Mereuti F, Butiuc-Keul A, Podar D, **Roba C**, Bălc R, **2020**, Effects of Long-Term exposure to Heavy Metals upon Rhizosphere Bacteria from Baia Mare Area (Maramureș County, Romania), *Geomicrobiology Journal*, 37 (9), 867-876
3. Bălc R, **Roba C**, Rosian G, Costin D, Horvath C, Zglobiu O R, D Chirtos, **2020**, Changes in the physico-chemical properties of topsoil in a landslide-affected area (western part of the Transylvanian Basin, Romania), *Geological Quarterly*, 64/4
4. Ispas GM, Roba C, Balc R, Gligor DM, **2020**, The content of nutrients and contaminants in soil and vegetables cultivated in several greenhouses from Botosani County and their impact on human health, *Carpathian journal of earth and environmental sciences*, 15 (2), 415-428
5. Voica C, **Roba C**, Iordache AM, **2020**, Lithium levels in food from the Romanian market by inductively coupled plasma – mass spectrometry (ICP-MS): A Pilot Study, *Analytical Letters*, DOI: 10.1080/00032719.2020.1748642
6. Ganea IV, Nan A, Turcu R, **Roba C**, Neamtii IA, Baciu C, **2020**, Study of metal ion removal from aqueous systems using magnetic nanostructures based on functionalized poly(benzofuran-co-arylacetic acid), *Analytical Letters*, <https://doi.org/10.1080/00032719.2020.1737100>
7. Remizovschi A, Carpa R, Forray FL, Chiriac C, **Roba CA**, Beldean-Galea S, Andrei AȘ, Szekeres E, Baricz A, Lupan I, Rudi K, Coman C, Mud volcanoes and the presence of PAHs, **2020**, *Scientific Reports*, 10 (1), 1 December **2020**, Article number 1253, <https://doi.org/10.1038/s41598-020-58282-2>
8. Toth P, Fit D, Culda CA, Carpa R, Butiuc-Keul A, **Roba CA\***, Rosu C\*, **2020**, Quality assessment of drinking water from several private wells from Lazuri Village (Satu Mare County, Romania), *Journal of Environmental Protection and Ecology*, 21 (1), 106-115
9. Neamtii IA, Lin S, Chen M, Roba C, Csobod E, Gurzau ES, **2019**, Assessment of formaldehyde levels in relation to respiratory and allergic symptoms in children from Alba County schools, Romania, *Environmental monitoring and assessment*, 191 (9)

10. Barhoumi B, Beldean-Galea MS, Ai-Rawabdeh AM, **Roba C**, Martonos IM, Balc R, Kahlaoui M, Touil Soufiane TM, Driss, Mohamed R, Baciu C, Occurrence, distribution and ecological risk of trace metals and organic pollutants in surface sediments from a Southeastern European river (Somesu Mic River, Romania), *Science of the total environment*, Vol. 660, p. 660-676, DOI: 10.1016/j.scitotenv.2018.12.428, Published: APR 10 **2019**
11. Mihaileanu RG, Neamtii IA\*, Fleming M, Pop C, Bloom MS, **Roba C**, Surcel M, Stamatian F, Gurzau E, Assessment of heavy metals (total chromium, lead, and manganese) contamination of residential soil and homegrown vegetables near a former chemical manufacturing facility in Tarnaveni, Romania, *Environmental Monitoring and Assessment*, January **2019**, 191:8, First Online: 08 December 2018, <https://doi.org/10.1007/s10661-018-7142-0>
12. Ispas G, **Roba C\***, Bălc R, Coadă M, Gligor D, The quality of water and soil in Haneş mining area, Alba County, Romania, *Carpathian Journal of Earth and Environmental Sciences*, Vol. 13, No. 2, p. 505 – 514, published online April **2018**.
13. Malschi D, Muntean L, Oprea I, **Roba CA**, Popita GE, Stefanescu L, Malschi Florian B, Rînba E, **2018**, Research on wastewaters bioremediation with aquatic species for constructed wetlands, *Environmental Engineering and Management Journal*, 17(7), 1753-1764, July 2018
14. Moldovan MC, Burghele BD\*, **Roba CA**, Sferle TL, Buterez C, Mitrofan H, The geogenic radon potential map of the aspiring 'Buzau Land' Geopark, *Radiation protection dosimetry*, 177 (1-2), 173-175, Published: Nov **2017**.
15. Nicula AM, **Roba C**, Piştea I, Roşu C\*, Assessment of water quality from Brăteni Lake, Bistriţa Năsăud County, *Carpathian Journal of Earth and Environmental Sciences*, 12 (2), p. 365 – 370, July **2017**.
16. Ganea IV, **Roba C**, Gligor D, Farkas A, Bălc R, Moldovan M, Assessment of environmental quality in Lacu Sărat area (Brăila County, Romania), *Carpathian Journal of Earth and Environmental Sciences*, 12 (2), p. 377 – 387, July **2017**.
17. Voica C\*, Roba C, Feher I, Magdas DA, Elemental Analysis and Metal Intake of Romanian Vegetables, *Analytical letters*, 50 (17), 50 (17), p. 2755-2771, **2017**.
18. Neamtii IA\*, Bloom MS, Dumitrascu I, **Roba CA**, Pop C, Ordeanu C, Balacescu O, Gurzau ES, 2016, Impact of exposure to tobacco smoke, arsenic, and phthalates on locally advanced cervical cancer treatment-preliminary results, *PeerJ*. **2016** Sep 8;4:e2448. doi: 10.7717/peerj.2448. eCollection 2016
19. **Roba C\***, Roşu C\*, Piştea I, Ozunu A, Baciu C, Heavy metal content in vegetables and fruits cultivated in Baia Mare mining area (Romania) and health risk assessment, *Environ Sci Pollut Res*, 23, 6062–6073, **2016**.
20. Bizo ML\*, **Roba C**, Levei EA, Hoaghia MA, Modoi CO, Ozunu A, Comparison of FAAS and XRF performance for metal monitoring in brownfields, *Environmental Engineering & Management Journal (EEMJ)*, 14 (11), p 2515-2521, Nov**2015**.
21. **Roba C\***, Rosu C, Pistea I, Baciu C, Costin D, Ozunu A, Transfer of heavy metals from soil to vegetables in a mining/smelting influenced area (Baia Mare – Ferneziu, Romania), *Journal of Environmental Protection and Ecology*, 16 (3), p 891–898, **2015**.
22. Manciuila D\*, **Roba CA**, Misca-Barbu R, Isolation of Ursolic Acid from *Bruckenthalia Spiculifolia* Followed by HPLC Analysis, *Revista de chimie*, 66 (4), p 492-496 Published: APR **2015**.
23. Lazăr AL, Baciu C, **Roba CA**, Dicu T, Pop C, Rogozan C, Dobrotă C, Impact of the past mining activity in Roşia Montană (Romania) on soil and vegetation, *Environmental Earth Sciences*, 72, p 4653–4666, **2014**.
24. **Roba CA\***, Ştefănie H, Török Z, Kovacs M, Roşu C, Ozunu A, Determination of volatile organic compounds and particulate matter levels in an urban area from Romania, *Environmental Engineering and Management Journal*, 13 (9), p 2261-2268, **2014**.
25. Modoi OC, **Roba CA**, Török Z \*, Ozunu A, Environmental risks due to heavy metal pollution of water resulted from mining wastes in NW Romania, *Environmental Engineering and Management Journal*, 13 (9),p 2325-2336, **2014**.
26. Popovici A, Popita GE\*, Roba C, Rusu T, Tofană V, Roşu C, A proposal for cathode ray tubes waste recycling, *Journal of Environmental Protection and Ecology- JEPE of B.EN.A*, 14 (4), p 1703-1710, **2013**.
27. Manciuila D\*, **Roba C**, Oprean I, Mişca-Barbu R, Synthesis of ursolic acid dipeptide derivatives with potential biological activity, *Revista de Chimie*, 64 (12), p 1454- 1458, **2013**.

28. Manciu D\*, **Roba CA**, Oprean I, Mișca-Barbu R, Synthesis of betulinic acid dipeptide derivatives with potential biological activity, *Revista de Chimie*, 64 (11), p 1265- 1269, **2013**.
29. Kovacs MH, **Roba CA\***, Roșu C \*, Neamțiu I, Gurzău E, Assessment of air quality from primary school classrooms and the presence of volatile organic compounds (VOCs), *Carpathian Journal of Earth and Environmental Sciences*, 8 (4), p 55–61, **2013**.
30. **Roba C\***, Roșu C, Neamțiu I, Gurzău E, RP-HPLC analysis of carbonyl compounds in some indoor air samples in a faculty from Cluj-Napoca, *Environmental Engineering and Management Journal*, 12 (2), p 219-225, **2013**.
31. **Roba CA\***, Niță D, Cosma C, Codrea V, Olah Ș, Correlations between radium and radon occurrence and hydrogeochemical features for various geothermal aquifers in Northwestern Romania, *Geothermics*, 42, p 32–46, **2012**.
32. **Roba CA\***, Jimenez C, Baciuc C, Beldean-Galea SM, Levei E, Cordos E, Assessment of different sorbents efficiency for solid phase extraction of aquatic humic acids, *Central European Journal of Chemistry*, 9 (4), p 598-604, **2011**.
33. **Roba CA\***, Codrea V, Moldovan M, Baciuc C, Cosma C, Radon and radium content of some cold and thermal aquifers from Bihor County (northwestern Romania), *Geofluids*, 10 (4), p 571-585, **2010**.
34. **Haiduc Iv\***, Roba C, Bobos L, Fechet-Radu L, Urban aerosols pollution. Case study - Cluj-Napoca City, *Journal of Environmental Protection and Ecology- JEPE of B.EN.A*, 10 (3), p 611-618, **2009**.

**D. Articole în baze de date indexate BDI și alte articole publicate în volumele unor manifestări științifice internaționale recunoscute din țară și străinătate (cu ISSN sau ISBN):**

1. Roșu C, Roba C, Piștea I, Bâșcovan B, Devian O, Groundwater quality in two rural communities from Cluj and Bistrița-Năsăud Counties-Romania, **2020**, *Studia Universitatis Babeș-Bolyai, Ambientum* 65 (1)
2. Piștea IC, Roșu C, Roba C, Ozunu A, Evaluation of groundwater quality for drinking and irrigation by calculating specific quality indexes. Case study: Baia Mare mining area, Romania, **2020**, *Studia Universitatis Babeș-Bolyai, Ambientum* 65
3. Amouzouvi MY, Dzagli MM, Koffi S, Torok Z, Roba CA, Mereuță A, Ozunu A, Sidera EK, Evaluation of Pollutants Along the National Road N2 in Togo using the AERMOD Dispersion Model, *Journal of health and pollution*, **2020**, 10/27
4. Amouzouvi MY, Dzagli MM, Ștefănie H, Roba CA, Mereuță A, et al., Description and comparison of aerosol properties over Cluj-Napoca-Romania and Koforidua-Ghana, using AERONET network data, **2019**, *Studia Universitatis Babeș-Bolyai, Ambientum* 64 (1)
5. Ganea IV, Nan A, Roba C, Turcu R, New promising hybrid material based on montmorillonite for metal ions removal from contaminated water, *International symposium "The environment and the industry"*, SIMI **2018**, 34-35, DOI: <http://doi.org/10.21698/simi.2018.ab10>, Publisher: National Research and Development Institute for Industrial Ecology ECOIND, ISSN-L: 1843-5831
6. Roșu C\*, Oancea F\*, Fazakas J, Piștea IC, Doni M, The study of biostimulating effect of porous ceramics functionalized with polyoxometalates, *SGEM* **2018**, Vol 6.2, 745- 751
7. Roba C, Piștea I, Ilciuc O, Roșu C \*, *Eco-friendly recovery of copper from wastewater by cementation* , Vol 18 (4.1), 285-292, *SGEM* **2018**
8. Roba C, Piștea IC, Bindiu S, Roșu C\*, Effects of former mining activities on surface water. Case study: Valea Vinului mine – Romania, *17th International Multidisciplinary Scientific GeoConference SGEM 2017*, [www.sgem.org](http://www.sgem.org), *SGEM2017 Conference Proceedings*, ISBN 978-619-7105-98-8 / ISSN 1314-2704, 29 June - 5 July, **2017**, Vol. 17, Issue 11, 833-840 pp, DOI: 10.5593/sgem2017/11/S04.106
9. Piștea IC, Roba C, Roșu C\*, Green syntheses of Anderson-Evans polyanions {XMo<sub>6</sub>O<sub>24</sub>} in one-pot procedure, *17th International Multidisciplinary Scientific GeoConference SGEM 2017*, [www.sgem.org](http://www.sgem.org), *SGEM2017 Conference Proceedings*, ISBN 978-619-7408-12-6 / ISSN 1314-2704, 29 June - 5 July, **2017**, Vol. 17, Issue 61, 157-162 pp, DOI: 10.5593/sgem2017/61/S24.021
10. Modoi OC, Ajtai N, Roba C, Ciobotariu C, Mihaiescu T, Assessment of heavy metals leaching from different types of waste mixed with molasses, *17th International Multidisciplinary Scientific GeoConference SGEM 2017*, [www.sgem.org](http://www.sgem.org), *SGEM2017 Conference Proceedings*, ISBN 978-619-7105-98-8 / ISSN 1314-2704, 29 June - 5 July, **2017**, Vol. 17, Issue 11, 767-772 pp, DOI: 10.5593/sgem2017/11/S04.097

11. Costin DF, Roba CA, Brisan NS, Tanasă O, Preliminary data regarding the content of petroleum products in water and soil samples from Suplacu de Barcău area, Romania, 1/**2017**, *Studia Universitatis Babeş-Bolyai, Seria Ambientum* ISSN (online) 2065-9490, 31843-3855.
12. Roba CA, Mitrofan H, Buterez C, Assessment of soil quality in the area of future “Buzau Land” Geopark, Romania, *16th International Multidisciplinary Scientific GeoConference SGEM 2016*, [www.sgem.org](http://www.sgem.org), *SGEM 2016 Conference Proceedings*, ISBN 978-619-7105-66-7 / ISSN 1314-2704, June 28 - July 6, **2016**, *Book5 Vol. 2*, 101-108 pp, DOI: 10.5593/SGEM2016/B52/S20.014
13. Roba C, Cosma C, Burghel B, Moldovan M, Buterez C, Evaluation of water quality from public distribution systems in the aspiring Buzau Land Geopark, Romania, *16th International Multidisciplinary Scientific GeoConference SGEM 2016*, [www.sgem.org](http://www.sgem.org), *SGEM 2016 Conference Proceedings*, ISBN 978-619-7105-61-2 / ISSN 1314-2704, June 28 - July 6, **2016**, *Book3 Vol. 1*, 321-328 pp, DOI: 10.5593/SGEM2016/B31/S12.042
14. Pistea I, Reti KO\*, Roba C, Rosu C, Ozunu A, Sediment quality assessment from Baia Mare mining area using specific quality indexes, *16th International Multidisciplinary Scientific GeoConference SGEM 2016*, [www.sgem.org](http://www.sgem.org), *SGEM2016 Conference Proceedings*, ISBN 978-619-7105-61-2 / ISSN 1314-2704, June 28 - July 6, **2016**, *Book3 Vol. 1*, 629-636 pp, DOI: 10.5593/SGEM2016/B31/S12.082
15. Roba CA, Baciuc C, Moldovan M, Burghel BD, Mitrofan H, Buterez C, Hydrogeochemical features of mineral springs from the future “Buzău Land” Geopark, Romania, *Energy and Environment Knowledge Week - E2KW 2016*, 28-29 October, Paris, France, 438-440, Eds.:Francisco José SáezMartínez, Elena Jiménez Martínez,, Gilles Lefebvre and Matthias Beekmann, ISBN: 978-84-608-8219-0
16. Moldovan M, Burghel BD, Roba CA, Mitrofan H, Buterez C, Radium assessment in water samples from the future “Buzău Land” Geopark, *Energy and Environment Knowledge Week - E2KW 2016*, 28-29 October, Paris, France, 441-443, Eds.:Francisco José SáezMartínez, Elena Jiménez Martínez,, Gilles Lefebvre and Matthias Beekmann, ISBN: 978-84-608-8219-0  
Roba C, Rosu C, Pistea I, Pîslaru G, Water quality of Neamt river-Târgu Neamt town (Neamt county), *Aerul si Apa. Componente ale Mediului*, ISSN: 2067-743X, 386-391, **2016**.
17. Rosu C\*, Roba C\*, Pistea I, Paul R, Ground water quality from private wells. Case study: Tarna Mare-Satu Mare county, *Aerul si Apa. Componente ale Mediului*, ISSN: 2067-743X, 173-179, **2016**.
18. Oprea O, Roba C\*, Copaciuc F, Bunea A, Quality Assessment of Waste Waters Generated by some Important Hospitals from Cluj County, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture*, ISSN 1843-5246, 73/1, 84-92, **2016**.
19. Roba C, Roşu C, Ozunu A, Baciuc C, The intake of nickel, cadmium and manganese through the ingestion of groundwater from several private wells from Baia Mare (Romania) metropolitan area, *Studia Universitatis Babeş-Bolyai, seria Ambientum*, ISSN (print): 1843-3855, 109 – 116, nr. 1-2/**2015**.
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29. Haiduc Iv, Roba CA, Bobos LD, Indoor air pollution with nitrogen dioxide (NO<sub>2</sub>), Environment&Progress-4, Ed. EFES, Cluj-Napoca, 197-200, **2005**
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#### **Anexa 4. Participări la conferințe desfășurate în străinătate / în țară**

##### **A. Conferințe desfășurate în străinătate**

1. International Conference on Resource Sustainability (icRS 2021), 19 - 23 July **2021**, Dublin, Ireland
2. European Geosciences Union General Assembly EGU; Vienna – Austria, 4 – 5 May **2020**
3. International Multidisciplinary Scientific GeoConference SGEM **2018**, June 30 - July 8, Albena, Bulgaria
4. XXI International Congress of the Carpathian Balkan Geological Association (CBGA) University of Salzburg (Austria), September 10–13, **2018**, Salzburg (Austria)
5. International Multidisciplinary Scientific GeoConference SGEM **2017**, June 27 - July 6, Albena, Bulgaria
6. Energy and Environment Knowledge Week - E2KW **2016**, 28-29 October, Paris, France
7. International Multidisciplinary Scientific GeoConference SGEM **2016**, June 28 - July 6, Albena, Bulgaria
8. International workshop on the Geological Aspects of Radon Risk Mapping (GARRM), 12 - 16 September **2016**, Prague, Czech Republic
9. Terrestrial Radioisotopes in Environment – International Conference on Environmental Protection TREICEP– 17 – 20 May **2016**, Veszprém, Hungary
10. European Geosciences Union General Assembly EGU; Vienna – Austria, 12 – 17 April **2015**
11. 2<sup>nd</sup> edition of Energy and Environment Knowledge Week (E2KW), 30 – 31 Octombrie **2014**, Toledo – Spain
12. 7<sup>th</sup> International Conference on Environmental Engineering and Management (ICEEM). Integration challenges for sustainability, 18 – 21 Septembrie **2013**, Viena – Austria
13. 14<sup>th</sup> EuCheMS International Conference on Chemistry and the Environment ICCE **2013**, 25 – 28 Iunie **2013**, Barselona – Spania
14. Characterization of hazardous chemical contamination – from environmental chemistry and toxicology to risk assessment (NATO SfP 982590), 23-25 Septembrie **2010**, Dubrovnik – Croația
15. 1<sup>st</sup> International Scientific Conference of Undergraduate, Master and Postgraduate Students, 17 -18 Aprilie **2008**, Odessa – Ucraina

##### **B. Conferințe / simpozioane desfășurate în țară**

1. 13th International Conference on Processes in Isotopes and Molecules (PIM 2021), 22-24 September **2021**, Cluj-Napoca, Romania.
2. International symposium “The environment and the industry”, SIMI **2019**, 26 - 27 September **2019**, Bucharest, Romania
3. 10th International Conference on Environmental Engineering and Management ICEEM10, 18 - 21 September **2019**, Iasi, Romania
4. 12th International Conference on Processes in Isotopes and Molecules (PIM 2019), 25-27 September **2019**, Cluj-Napoca, Romania.
5. “Environment & Progress”, 15 November **2019**, Cluj-Napoca
6. Environmental engineering and sustainable development (UAB-BENA) 20 -21 June **2019**, Alba – Iulia, Romania
7. International symposium “The environment and the industry”, SIMI **2018**, 20 - 21 September 2018, Bucharest, Romania
8. Environmental legislation, safety engineering and disaster management – ELSEDIMA, 17-19 May **2018**, Cluj-Napoca
9. Environment & Progress, 11 November **2017**, Cluj-Napoca
10. International Symposium ”Risk Factors for Environment and Food Safety”, 4-5 November **2016**, Oradea
11. Conference Air and water – environmental components, 20-22 March **2016**, Cluj-Napoca

12. Environmental legislation, safety engineering and disaster management – ELSESEDIMA, 26-28 May **2016**, Cluj-Napoca
13. “Environment & Progress”, 29-30 October **2015**, Cluj-Napoca
14. „International U.A.B. – B.EN.A. Conference, Environmental Engineering and Sustainable Development”, Alba Iulia, Romania, 28-30 May, **2015**
15. The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest - Agriculture for life, life for agriculture”, 4-6 June, **2015**, Bucharest
16. 7<sup>th</sup> edition of Conference Air and water – environmental components, 20-22 Martie **2015**, Cluj-Napoca
17. Environmental legislation, safety engineering and disaster management – ELSESEDIMA, 18-19 September **2014**, Cluj-Napoca
18. Agriculture for Life, Life for Agriculture, 5 - 7 Iunie **2014**, Bucharest
19. Central and Eastern Europe Conference on Health and the Environment (CEECH), 25-30 Mai **2014**, Cluj-Napoca – România
20. Conference Air and water – environmental components, 21-22 March **2014**, Cluj-Napoca
21. Environment & Progress, 25 October **2013**, Cluj-Napoca
22. International U.A.B. - B.EN.A. Conference: Environmental Engineering and Sustainable Development, 23 – 25 Mai **2013**, Alba-Iulia
23. Environmental legislation, safety engineering and disaster management – ELSESEDIMA, 25-27 October **2012**, Cluj-Napoca
24. Symposium on good practice on water resources assessment and monitoring, 23 March **2012**, Cluj-Napoca
25. Environment&Progress 2011 Environment – Research, Protection and Management, 11 – 12 November **2011**, Cluj-Napoca
26. International Symposium on Separation Sciences (17 ISSS), 5-9 September **2011**, Cluj-Napoca
27. Energy Engineering Conference (CIE), 2-4 June **2011**, Oradea
28. Conference Air and water – environmental components, 18-19 March **2011**, Cluj-Napoca
29. International Conference on Gas Geochemistry (10-ICGG)”, 14-21 September **2009**, Cluj-Napoca
30. Environment&Progress, 5-8 Noiembrie **2009**, Cluj-Napoca
31. Environmental Pollution and its Impact on Public Health, 16-19 July **2008**, Braşov – România

#### **Anexa 5. Participări la școli de vară, cursuri/seminarii de perfecționare profesională**

- Cluj-Napoca, Romania September 11, **2013**: Seminar on Kinetex chromatographic columns, a complex range for HPLC and UHPLC; organized by: Phenomenex and Muso at Babeş-Bolyai University
- Cluj-Napoca, Romania July 15-16, **2013**: *Course on Management and Remediation of Contaminated Sites*, organized by: United States –Environmental Protection Agency (US-EPA), CDM Smith; and Environmental Health Center Cluj-Napoca
- Cluj-Napoca, Romania July 9-11, **2013**: *Course on Epidemiology*, organized by: State University of New York (SUNY); University at Albany, School of Public Health, Environmental Health Center Cluj-Napoca; University of Medicine and Pharmacy “Iuliu Hatieganu” Cluj-Napoca;
- Cluj-Napoca, Romania July 23, **2012**: *Seminar on Epidemiology*, organized by: State University of New York (SUNY); University at Albany, School of Public Health; Environmental Health Center Cluj-Napoca; and Babeş-Bolyai University Cluj-Napoca
- Cluj-Napoca, Romania 14-20 July **2010**: *Transylvania Summer School in Chromatography*, entitled "Chromatography: from basics to applications", organized by: Babeş-Bolyai University, Cluj-Napoca, Romania and École Supérieure de Physique et de Chimie Industrielles, Paris, France.
- Principles of Environmental Science and Engineering, Workshop organized by the Institute of Public Health-State University of Michigan, International Center of Environmental Health-Fogarty, and Institute of Public Health –Bucharest, Romania, 8 -11 September **2008**
- Remedy activity on the former uranium mining and processing site workshop, Pecs – Hungary, April **2007**