

## ROBA CARMEN-ANDREEA – LISTA DE LUCRĂRI

### A. Lista celor maximum 10 lucrări relevante pentru realizările profesionale proprii (Articole ISI indexate in WoS)

1. Ganea IV, Nan A, **Roba C**, Baciu C. **2023**, Characterization of a Neoteric Clay-Based Composite for the Removal of Heavy Metals from Mining Water, *Analytical Letters*, 56 (2), 257-271.
2. Voica C, Iordache AM, **Roba C**, Nechita C. **2023**, Determination of Toxic Elements in Facial Cosmetics from the Romanian Market and Their Health Risk Assessment, *Analytical Letters*, 56 (2), 244-256
3. Remizovschi A, Carpa R, Forray FL, Chiriac C, **Roba CA**, Beldean-Galea S, Andrei AS, Szekeres E, Baricz A, Lupan I, Rudi K, Coman C. **2020**, Mud volcanoes and the presence of PAHs, *Scientific Reports*, 10 (1), <https://doi.org/10.1038/s41598-020-58282-2>
4. Barhoumi B, Beldean-Galea MS, Ai-Rawabdeh AM, **Roba C**, Martonos IM, Balc R, Kahlaoui M, Touil Soufiane TM, Driss, Mohamed R, Baciu C, **2019**, 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*, 660, 660-676, DOI: 10.1016/j.scitotenv.2018.12.428
5. Neamtiu 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), <https://doi.org/10.1007/s10661-019-7768-6>
6. Mihaileanu RG, Neamtiu IA\*, Fleming M, Pop C, Bloom MS, **Roba C**, Surcel M, Stamatian F, Gurzau E, **2019**, 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*, 191 (8), <https://doi.org/10.1007/s10661-018-7142-0>
7. **Roba C\***, Roșu C\*, Piștea I, Ozunu A, Baciu C, **2016**, Heavy metal content in vegetables and fruits cultivated in Baia Mare mining area (Romania) and health risk assessment, *Environmental Science and Pollution Research*, 23, 6062–6073.
8. Neamtiu IA\*, Bloom MS, Dumitrescu 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*, doi: 10.7717/peerj.2448
9. **Roba CA\***, Niță D, Cosma C, Codrea V, Olah ř, **2012**, Correlations between radium and radon occurrence and hydrogeochemical features for various geothermal aquifers in Northwestern Romania, *Geothermics*, 42, 32–46.
10. **Roba CA\***, Codrea V, Moldovan M, Baciu C, Cosma C, **2010**, Radon and radium content of some cold and thermal aquifers from Bihor County (northwestern Romania), *Geofluids*, 10 (4), 571-585.

**Notă:** **Roba CA\*** - articole indexate în WoS, în care candidata este autor principal (prim autor sau autor de corespondență)

## **B. Teza de doctorat**

Fenomenul geotermic din vestul României. Impactul asupra mediului datorat exploatarii apelor geotermale din perimetrele Oradea și Săcuieni”, anul susținerii 2010, Universitatea Babeș-Bolyai.

## **C. Brevete de invenție**

### **D. Cărți și capitole în cărți**

Cărți:

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**.

Capitole în cărți publicate în edituri recunoscute CNCSIS:

1. 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**
2. 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, Convector, 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**

Capitole în cărți publicate în edituri nerecunoscute CNCSIS:

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**, <https://tinutulbuzaului.org/harti-si-carti/>
2. Popa RG, Mitrofan H, Niculae L, Roba C, Burghel 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**, <https://tinutulbuzaului.org/harti-si-carti/>

## **E. Articole/studii, publicate în reviste din fluxul științific internațional principal**

### **Articole ISI indexate in WoS**

1. Voica C, Cristea G, Iordache AM, **Roba C**, Curean V. **2023**. Elemental Profile in Chicken Egg Components and Associated Human Health Risk Assessment, *Toxics*, 11(11), 900; <https://doi.org/10.3390/toxics11110900>
2. Voica C, Iordache AM, **Roba C**, Nechita C. **2023**, Determination of Toxic Elements in Facial Cosmetics from the Romanian Market and Their Health Risk Assessment, *Analytical Letters*, 56 (2), 244-256
3. Ganea IV, Nan A, **Roba C**, Baciu C. **2023**, Characterization of a Neoteric Clay-Based Composite for the Removal of Heavy Metals from Mining Water, *Analytical Letters*, 56 (2), 257-271.
4. Brad T, Bizic M, Ionescu D, Chiriac CM, Kenesz M, **Roba C**, Ionescu A, Fekete A, Mirea IC, Moldovan OT. **2022**, Potential for Natural Attenuation of Domestic and Agricultural Pollution in Karst Groundwater Environments. *Water*, 14 (10), DOI10.3390/w14101597

5. Iordache AM, Nechita C, Voica C, **Roba C**, Botoran OR, Ionete RE. **2022**, Assessing the Health Risk and the Metal Content of Thirty-Four Plant Essential Oils Using the ICP-MS Technique, *Nutrients*, 14(12): 2363, doi: 10.3390/nu14122363
6. Ganea IV, Nan A, **Roba C**, Neamțiu I, Gurzău E, Turcu R, Filip X, Baciu C. **2022**, Development of a New Eco-Friendly Copolymer Based on Chitosan for Enhanced Removal of Pb and Cd from Water, *Polymers*, 14(18), 3735; <https://doi.org/10.3390/polym14183735>
7. Ispas G, **Roba C\***, Balc R, Gligor D. **2022**, Heavy metals in soils and vegetables cultivated in several greenhouses from Botosani County – Romania, *Environmental Engineering and Management Journal*, 21 (1), 91-103. DOI:10.26471/cjees/2020/015/141
8. Voica C, Nechita C, Iordache AM, **Roba C**, Zgavarogeia R, Ionete RE. **2021**, ICP-MS Assessment of Essential and Toxic Trace Elements in Foodstuffs with Different Geographic Origins Available in Romanian Supermarkets. *Molecules*, 26 (23), DOI10.3390/molecules26237081.
9. Petrescu-Mag RM, Vermeir I, **Roba C**, Petrescu DC, Bican-Brisan N, Martonos IM. **2021**, Is "Wild" a Food Quality Attribute? Heavy Metal Content in Wild and Cultivated Sea Buckthorn and Consumers' Risk Perception. *International journal of environmental research and public health*, 18 (18) DOI10.3390/ijerph18189463
10. Nicula AM, Ionescu A, Pop IC, **Roba C**, Forray FL, Orășeanu I, Baciu C. **2021**. Geochemical Features of the Thermal and Mineral Waters From the Apuseni Mountains (Romania). *Front. Earth Sci.*, <https://doi.org/10.3389/feart.2021.648179>
11. Nekvapil F, Ganea IV, Ciorîtă A, Hirian R, Ogresta L, Glamuzina B, **Roba C**, Cintă Pinzaru S. **2021**. Wasted Biomaterials from Crustaceans as a Compliant Natural Product Regarding Microbiological, Antibacterial Properties and Heavy Metal Content for Reuse in Blue Bioeconomy: A Preliminary Study. *Materials*, 14, 4558. <https://doi.org/10.3390/ma14164558>
12. **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), 435-447
13. Farkas A, Mereuti F, Butiuc-Keul A, Podar D, **Roba C**, Bălc R, **2020**, Effects of Long-Term exposure to Heavy Metals upon Rhizosphere Bacteriafrom Baia Mare Area (Maramureș County, Romania), *Geomicrobiology Journal*, 37 (9), 867-876 <https://doi.org/10.1080/01490451.2020.1795319>
14. 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, 931-941, DOI:10.7306/gq.1561
15. 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 Doi:10.26471/cjees/2020/015/141
16. 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
17. Ganea IV, Nan A, Turcu R, **Roba C**, Neamțiu IA, Baciu C, **2020**, Study of metal ion removal from aqueous systems using magnetic nanostructures based on functionalized poly(benzofuran-co-arylactic acid), *Analytical Letters*, <https://doi.org/10.1080/00032719.2020.1737100>
18. 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
19. Ispas G, **Roba C\***, Bălc R, Coadă M, Gligor D, **2018**. The quality of water and soil in Haneș mining area, Alba County, Romania. *Carpathian Journal of Earth and Environmental Sciences*, 13 (2), 505 – 514.
20. 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.

21. Moldovan MC, Burghel 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**.
22. Nicula AM, **Roba C**, Piștea I, Roșu C\*, Assessment of water quality from Brăteni Lake, Bistrița Năsăud County, *Carpathian Journal of Earth and Environmental Sciences*, 12 (2), 365 – 370, July **2017**.
23. Ganea IV, **Roba C**, Gligor D, Farkas A, Bălc R, Moldovan M, Assessment of environmental quality in Lacu Sărăt area (Brăila County, Romania), *Carpathian Journal of Earth and Environmental Sciences*, 12 (2), 377 – 387, July **2017**.
24. Voica C\*, Roba C, Feher I, Magdas DA, Elemental Analysis and Metal Intake of Romanian Vegetables, *Analytical letters*, 50 (17), 50 (17), 2755-2771, **2017**.
25. 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), 2515-2521, Nov**2015**.
26. **Roba C\***, Rosu C, Pista 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), 891–898, **2015**.
27. Manciula D\*, **Roba CA**, Misca-Barbu R, Isolation of Ursolic Acid from Bruckenthalia Spiculifolia Followed by HPLC Analysis, *Revista de chimie*, 66 (4), 492-496 Published: APR **2015**.
28. **Roba CA\***, Ștefănie H, Török Z, Kovacs M, Roșu 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), 2261-2268, **2014**.
29. 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), 2325-2336, **2014**.
30. Lazăr AL, Baciu C, **Roba CA**, Dicu T, Pop C, Rogozan C, Dobrotă C, Impact of the past mining activity in Roșia Montană (Romania) on soil and vegetation, *Environmental Earth Sciences*, 72, 4653–4666, **2014**.
31. Popovici A, Popita GE\*, **Roba C**, Rusu T, Tofană V, Roșu C, A proposal for cathode ray tubes waste recycling, *Journal of Environmental Protection and Ecology- JEPE of B.EN.A*, 14 (4), 1703-1710, **2013**.
32. Manciula D\*, **Roba C**, Oprean I, Mișca-Barbu R, Synthesis of ursolic acid dipeptide derivates with potential biological activity, *Revista de Chimie*, 64 (12), 1454- 1458, **2013**.
33. Manciula D\*, **Roba CA**, Oprean I, Mișca-Barbu R, Synthesis of betulinic acid dipeptide derivates with potential biological activity, *Revista de Chimie*, 64 (11), 1265- 1269, **2013**.
34. 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), 55–61, **2013**.
35. **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), 219-225, **2013**.
36. **Roba CA\***, Jimenez C, Baciu 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), 598-604, **2011**.
37. **Roba CA\***, Codrea V, Moldovan M, Baciu C, Cosma C, Radon and radium content of some cold and thermal aquifers from Bihor County (northwestern Romania), *Geofluids*, 10 (4), 571-585, **2010**.
38. Haiduc Iv\*, **Roba C**, Bobos L, Fechete-Radu L, Urban aerosols pollution. Case study - Cluj-Napoca City, *Journal of Environmental Protection and Ecology- JEPE of B.EN.A*, 10 (3), 611-618, **2009**.

**Notă:** **Roba CA\*** - articole indexate în WoS, în care candidata este autor principal (prim autor sau autor de corespondență)

**F. Publicații in extenso, apărute în volumele unor manifestări științifice internaționale recunoscute din țară și străinătate (cu ISSN sau ISBN):**

1. Modoi C, Dascăl D, Roba C, Balc R, , On the importance of public views regarding the environmental impact of plastic pollution in Cluj County Romania, **2022, Book of abstract, XXII-nd SGEM International Scientific Conferences on Earth & planetary Sciences. Extended Scientific Sessions "Green Sciences for Green life" Vienna 2022, ISBN:978-619-7603-28-6, <https://www.sgemviennagreen.org/>**
2. Modoi OC, Ajtai I, Roba CA, Mereuță A, Analysis of the Near Infrared (NIR) Spectroscopy method used for textile waste sorting. **2021, 21st International Multidisciplinary Scientific GeoConference SGEM 2021 16 - 22 August 2021, ISBN: 978-619-7603-28-6**
3. 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
4. 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
5. 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*
6. 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, 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*
7. Piștea IC, Roba C, Roșu C\*, Green syntheses of Anderson-Evans polyanions {XM<sub>6</sub>O<sub>24</sub>} in one-pot procedure, *17th International Multidisciplinary Scientific GeoConference SGEM 2017, 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*
8. 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, 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*
9. 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, 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*
10. 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, 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*
11. Pista 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, 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*
12. Roba CA, Baciu 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*

13. 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 Sáez Martínez, Elena Jiménez Martínez,, Gilles Lefebvre and Matthias Beekmann, ISBN: 978-84-608-8219-0
14. Roba C, Rosu C, Pista 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**.
15. Rosu C\*, Roba C\*, Pista 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**.
16. Roba CA, Roșu C, Burghel BD, Moldovan M, Mitrofan H, The quality of the natural mineral waters from Buzău County, *Air and water components of the environment*, ISSN: 2067-743X, 102-108, **2015**.
17. Piștea I, Roșu C, Roba CA, Ozunu A, Sediments pollution with heavy metals. Case study: Baia Mare mining area, *Air and water components of the environment*, ISSN: 2067-743X, 356-361, **2015**.
18. Roșu C, Piștea I, Roba CA, Ozunu A, Water quality index for assessment of drinking water sources from Mediaș Town, Sibiu County, *Air and water components of the environment*, ISSN: 2067-743X, 24-31, **2014**
19. Piștea I, Roșu C, Roba CA, Bone S, Ozunu A, The monitoring of the physico-chemical parameters of Crișul Repede River, *Air and water components of the environment*, ISSN: 2067-743X, 24-31, 250-255, **2014**

## G. Alte lucrări și contribuții științifice

### *Articole în baze de date indexate BDI:*

1. Roșu C, Roba C, Piștea I, Bâscovan B, Devian O, Groundwater quality in two rural communities from Cluj and Bistrița-Năsăud Counties-Romania, **2020**, *Studia Universitatis Babes-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 Babes-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 Babes-Bolyai, Ambientum* 64 (1)
5. Costin DF, Roba CA, Brisian 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 Babes-Bolyai, Seria Ambientum* ISSN (online) 2065-9490, 31843-3855.
6. Opriș O, Roba C\*, Copaciu 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**.
7. Roba C, Roșu C, Ozunu A, Baciu 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 Babeș-Bolyai, seria Ambientum*, ISSN (print): 1843-3855, 109 – 116, nr. 1-2/**2015**.
8. Nicoară C, Piștea I, Roba C, Roșu C, The presence of dissolved anions in several well water samples from Nadăș village (Cluj county). *Studia Universitatis Babes-Bolyai, Seria Ambientum* ISSN (print): 1843-3855, LX, 1-2, 79-85, **2015**.
9. Copaciu FM, Roba C, Opriș O, Bunea A, Mireșan V, Assessment of Industrial Effluents Quality and their Possible Impact on Surface Water, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Animal Science and Biotechnologies*, Print ISSN 1843-5262 72/2, 131-141, **2015**.

10. Roșu C, Piștea I, Roba CA, Mihu M, Ozunu A, Surface water quality assessment. Case study: Târnava Mare River, Mediaș Town-Romania, *Indian journal of applied research*, PRINT ISSN No 2249 - 555X, 4 (5), 70-72, **2014**
11. Neamtiu I, Dumitrescu I, Roba CA, Chemical Analysis of Urinary Cotinine in Subjects Exposed to A Mixture of Contaminants, *Indian journal of applied research*, PRINT ISSN No 2249 - 555X, 4 (3), 56-58, **2014**
12. Roba CA, Popita G, Hoaghia A, Pista I, Rosu C, Water Quality Index (WQI) for the assessment of wells water quality from Medias Town, Romania, *Studia Universitatis Babeș-Bolyai, seria Ambientum*, ISSN (print): 1843-3855, 58(2), 52-60, **2013**
13. Piștea I, Roba CA, Popita GE, Rosu CD, Assessment of the surface water quality using water quality index (WQI). Case study: Someșul Mic River, Cluj-Napoca, Romania, *Studia Universitatis Babeș-Bolyai, seria Ambientum*, ISSN (print): 1843-3855, LVIII, 1-2, 87-92, **2013**.
14. Rosu C, Nazaretean A, Pista I, Roba CA, Groundwater pollution assessment in a rural area based on WQI. Case study : Cotu-Vames village, Neamt county, Romania, *Studia Universitatis Babeș-Bolyai, seria Ambientum*, ISSN (print): 1843-3855, 58(2), 61-73, **2013**
15. Diodiu R, Roba CA, Beldean-Galea S, Cosma C, PAHs content determination in water and sludge samples from Someșul Mic River, ProEnvironment, 5, 79 – 84, **2012**
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