



## LISTĂ DE LUCRĂRI

**A. Cărți și capitole de cărți****Publicații cu ISBN:**

1. Teza de doctorat *“Materiale compozite biodegradabile pe bază de polimeri naturali și sintetici”*, Ed. Tehnopress, Iași, 1999, 225p, ISBN- 9732-98864-5-0
2. Iuliana G. Breabăn (2009) – Evaluarea impactului asupra mediului, Editura Universitatii „Al.I.Cuza” Iași, 160 p., ISBN 978-973-703-327-7
3. Iuliana G. Breabăn (2017) – *Introducere in chimia mediului. Lucrari practice de laborator*. Editura Universitatii „Al.I.Cuza” Iași, 301 p
4. Ioan Munteanu, Valeriu Moca, Ion Ioniță, Iuliana G. Breabăn, Feodor Filipov, (2005), *Ghidul aplicației de teren “Implementarea noului Sistem Român de Taxonomie a Solurilor in Podișul Moldovei. Studiu de caz - Podișul Bârladului”*, ISBN 973-8432-30-8, Editura TERRA NOSTRA

## Colaborator la:

5. Dumitru Bulgariu Constantin Rusu, ” Metode Instrumentale de Analiză in Geoștiințe, Volumul I, Prelevarea Probelor. Sampling”, Casa Editorială *Demiurg*, Iași, 2005, *Paragrafele*: I.4; II.2-3; III.5-4; III.7-4
6. Ovidiu Gabriel Iancu, Nicolae Buzgar (editori responsabili) *Atlasul Geochimic al Metalelor Grele din Solurile Municipiului Iași si Împrejurimi*, Editura Universității „Alexandru Ioan Cuza” Iași, 2008, ISBN 978-973-703-329-1

**Publicații fără ISBN:**

7. Iuliana G. Breabăn (2017)- *Introducere in chimia mediului. Elemente teoretice*. Editura Universitatii „Al.I.Cuza” Iași, 302p

## Publicații realizate in cadrul unor proiecte:

- Facilitatea de tranzitie 20074/19343.01.11; Consolidarea sprijinului societatii civile in lupta impotriva coruptiei*
8. G. Breabăn, A. Ionce, (2010) – *Ghidul intreprinzătorului – legislația de mediu în situri Natura 2000*, 59p
  9. G. Breabăn, A. Ionce, (2010) – *Transparența în administrația publică locală*, 59p  
*20 FP7-SCIENCE-IN-SOCIETY 2011-1, STAGES GA289051/2011*
  10. D. Balahur, L. Mitoșeriu, L. Bejenariu, I.G. Breabăn, M. Cojocar, P. Dobrescu, C. Soitu, S. Sulima, R. Asiminei, D. Arhire, C.E. Ciomaga, N. Horchidan, I. Popovici, L. Tarlion, M. Vicovanu, M.P. Munteanu, G. Pascaru, G. Ichim, ( 2015), *Structural transformation to achieve gender equality in science. Guidliens*, Eds. M.Cacere, D. Balahur, I. Bleijenbergh, D. Falcinelli, M. Friedrich, E. Schmidt

**Capitol in volume internationale de prestigiu**

11. Lacatusu R., Lacatusu A-R., Burtea C., Lungu M., Breaban I.G., *The lead behaviour in soil-plant system from polluted and unpolluted areas in Romania*, *Advances In Geoecology* 41, p 519-525, 2008, Catena-Verlag, ISBN 978-3-923381-56-2

**Articole****A. Articole științifice în reviste cotate ISI****Articole in extenso în reviste cotate ISI**

1. Pelin V., **BREABAN I.G.**, Sandu I., Gurlui S., (2017), The atmospheric pollution influence on the surface structures of porous geomaterials in correlation with some natural radionuclides, *Revista de Chimie*, 68(6), 1431-1438 **FI: 1.232**
2. Lesenciuc, C. D., Juravle, D. T., Secu, C. V., Nicu, I. C., **BREABAN I. G.** (2017). Using old landslide-dammed lakes to assess sediment delivery rates in small catchments - Case study: Iezer Lake from the Romanian Carpathians. *Carpathian Journal of Earth and Environmental Sciences*, 12(2), 499-512. **FI: 0.880**
3. Paiu, M., Iancu, O. G., **BREABAN I. G.** (2017). Geochemical distribution of trace elements in an abandoned waste mine dump from Giumalau Mountains, Romania. *Environmental Engineering and Management Journal*, 16(4), 847-857. **FI: 1.096**
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5. Juravle, D. T., Chira, C. M., Mare, S., Ionesi, V., Bulgariu, D., **BREABAN, I. G.**, Juravle, A. (2016). Events in the northern paleogene foreland basin of the eastern carpathians (romania, bucovina), at the Ypresian-Lutetian transition. *Carpathian Journal of Earth and Environmental Sciences*, 11(1), 131-146. **FI: 0.880**
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9. Cojocaru, S., Dumitrescu, A. M., **BREABAN, I. G.**, Domocos, A. A., Iordan, A. R., Melniciuc-Puica, N., Palamaru, M. N. (2015). Exploiting the natural potential of Romanian kaolin clay. Adsorption capacity improvement through heat treatment. *Optoelectronics and Advanced Materials-Rapid Communications*, 9(11-12), 1530-1534. **FI: 0.412**
10. Cosutchi, A. I., Dimitriu, D. G., Zelinschi, C. B., Breaban, I., Dorohoi, D. O. (2015). Optical activity of transparent polymer layers characterized by spectral means. *Journal of Molecular Structure*, 1090, 39-43. doi: 10.1016/j.molstruc.2014.12.069 **FI: 1.78**
11. Dorohoi, D. O., Dimitriu, D. G., Dumitrascu, I., Zelinschi, C. B., Breaban, I. (2015). Interferential method to determine the optical rotatory dispersion of crystalline layers. *University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics*, 77(3), 253-260. **FI: 0.365**
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18. Secula, M. S., Cretescu, I., Cagnon, B., Manea, L. R., Stan, C. S., **BREABAN, I. G.** (2013). Fractional Factorial Design Study on the Performance of GAC-Enhanced Electrocoagulation Process Involved in Color Removal from Dye Solutions. *Materials*, 6(7), 2723-2746. doi: 10.3390/ma6072723 **FI: 1.879**
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1. **BREABAN I.G.**, Bobric E.D., Rusu E., Secu C.V., (2017), Soil organic matter assessment from neamtu catchment soils through various organic carbon methods, *SGEM2017 Conference Proceedings*, ISBN 978-619-7408-05-8 / ISSN 1314-2704, Book 17 Issue 2, 507-514
2. Bobric E.D., **BREABAN I.G.**, Rusu E., (2017), A comparison of soil organic carbon stocks in pastoral cropping and forest soils, *SGEM2017 Conference Proceedings*, ISBN 978-619-7408-05-8 / ISSN 1314-2704, Book 17 Issue 2, 703-710
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4. Banica, A., **BREABAN, I. G.**, Terry, I. C., Munteanu, A., (2016). Vulnerability and resilience of the urban drinking water system in the city of Bacau, Romania *Sgem 2016, Bk 1: Psychology and Psychiatry, Sociology and Healthcare, Education Conference Proceedings, Vol II* (pp. 1209-1217).
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6. **BREABAN, I. G.**, Paiu, M., Juravle, D. T. (2016). LA-ICP-MS analysis of rare earth elements from northern part of the moldavdic basin of the Eastern Carpathians (Romania) *16th International Multidisciplinary Scientific Geoconference, Sgem 2016: Science and Technologies in Geology, Exploration and Mining, Vol I* (pp. 297-304).
7. Paiu, M., **BREABAN, I. G.** (2016). Distribution of nitrate concentration in groundwater in some rural settlements from eastern Romania *Water, Resources, Forest, Marine and Ocean Ecosystems Conference Proceedings, Vol I* (pp. 235-241).
8. Paiu, M., Iancu, O. G., **BREABAN, I. G.** (2016). Risk assessment associated with a sulphide-bearing waste-rock dump from NE Romania *Water Resources, Forest, Marine and Ocean Ecosystems Conference Proceedings, Sgem 2016, Vol I* (pp. 303-310).
9. Paiu, M., **BREABAN, I. G.**, Iancu, O. G. (2015). Assessment of trace elements in woodland strawberry (*Fragaria Vesca L.*) grown on a barite waste mining dump in Suceava county, Romania *Ecology, Economics, Education and Legislation, Vol II* (pp. 81-88).
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12. Mișu-Pintilie, A., Paiu, M., **BREABAN, I. G.**, Romanescu, G. (2014). Status of water quality in Cuejdi hydrographic basin from Eastern Carpathian, Romania *Geoconference on Water Resources, Forest, Marine and Ocean Ecosystems, Vol I* (pp. 639-646).
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14. **BREABAN, I. G.**, Paiu, M., Cojocar, P., Cretescu, I. (2013). Studies upon the groundwater quality index of the aquifer from Barlad middle basin *Geoconference on Water Resources, Forest, Marine and Ocean Ecosystems* (pp. 317-324).

#### B. Articole științifice în reviste internaționale indexate BDI

1. A.M. Moisii, Gh. Romanescu, **Breabăn I.G.**, State of water quality for Rebricea river by principal component analysis, *Conference Proceedings Water Resources And Wetlands* ISBN: 978-606-605-038-8 Editors: Petre Gâștescu, William Lewis, Jr., Petre Brețcan, 2016
2. Mișu-Pintilie A., Romanescu G., Stoleriu C. C., **Breabăn I.G.**, (2015), *Physico-Chemical Parameters in Mountain Freshwater: Cuejdi River from Eastern Carpathians, Romania, Key Engineering Materials*, 660, 257, 261
3. Verestiuc PC, Cretescu I, Tucaliuc OM, **Breabăn I.G.**, Gh. Nemtoi, (2014), *Voltammetric studies on mercury behavior in different aqueous solutions for further development of a warning system designed for environmental monitoring*, Journal of Electrochemical Science and Engineering, vol V, nr.4, pg 177-186,
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5. Vereștiuc PC, Tucaliuc OM, **Breabăn I.G.**, Crețescu I, Nemțoi Gh., (2015), *Differential pulse anodic stripping voltammetry for mercury determination*, Acta Chemica Iasi 23 (1), 13-24
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11. **Breabăn I. G.**, Paiu M., (2012), Application of DRASTIC model and GIS for evaluation of aquifer vulnerability: Study case Barlad City area, *Conference Proceedings Water Resources And Wetlands* ISBN: 978-606-605-038-8 Editors: Petre Gâstescu, William Lewis, Jr., Petre Brețcan, p 588-593  
<http://www.limnology.ro/water2012/1/Contents%20Water%202012.pdf>
  12. Oiște A. M. **Breabăn I. G.**, (2012), Organic and inorganic contaminants in the Bahlui river in the built-up area of Iasi city, *Conference Proceedings Water Resources And Wetlands* ISBN: 978-606-605-038-8 Editors: Petre Gâstescu, William Lewis, Jr., Petre Brețcan, p 594-599, <http://www.limnology.ro/water2012/1/Contents%20Water%202012.pdf>
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  21. Oiște A. M. **Breabăn I. G.**, (2011), *Les applications des GIS pour l'evaluation de l'etat des batiments situes au nord de la ville d'Iassy dans le contexte du developement durable*, Proceedings of the 25th International Cartographic Conference, Paris
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  23. Stoican A.E., Rusu S. V., Ceucă C., Roșu L.I., **Breabăn I. G.**, Present and prospects for the rural development of villages from Obcina Mestecanis Region, *Lucrări Științifice – seria Agronomie* vol. 54/2011, 141-146,
  24. Oiște A. M. **Breabăn I. G.**, (2011), *Considerations on the implications of the pollution phenomenon in the Sanogenesis state of the urban ecosystem in Sărărie-Țicău districts (Iași city)*, *Present Environment & Sustainable Development*, Volume 5, no.2/ 2011, p. 229-240 ISSN 1843-5971
  25. Costică N., Olariu R. I., Mihai C., **Breabăn I. G.**, Rusu I. A., Arsene C., Ciumasu I. M., Update on environmental research infrastructure at "Alexandru Ioan Cuza" University of Iasi: The "Cernesim" Project, p.85 - 89, *Analele științifice ale Universității "Al. I. Cuza" Iași*, Tomul LVI, fasc. 2, s.II a. Biologie vegetală, 1223-6578
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  27. **Breabăn I. G.**, Ceucă C., Rusu S. V., Stoican A.E. Roșu L. Țibuleac C., (2010), Agricultural land use changes in the Valea Lupului village, 1965 – 2010, *Seria Agronomie*, Volumul Nr. 53, ISSN 1454-7414
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