



## Listă de lucrări

### A. Articole științifice aflate în baza de date Web of Science- autor principal, corespondent, contribuție egală - 18 lucrări AIS

| Titlu lucrării   | AIS   |
|--|-------|
| BREABAN I.G, I. Ahmed, M. Ignat, L. Brinza, (2024), Synthesis, characterization and applications of magnetite nanoparticles for dye removal from aqueous solutions: adsorption practical and theoretical approaches, <i>Heliyon</i> , accepted for publication   | 0.607 |
| E. D. Bobric, A. P. Stoleriu, L.Niacsu, BREABAN I.G, (2024) Biodiversity monitoring in protected areas through remote sensing biophysical index, <i>Present Environment and Sustainable Development</i> , Vol18, accepted for publication  | 0.057 |
| Istrate G-A, Istrate V, Ursu A, Ichim P, BREABAN I.G., (2023) Using Diachronic Cartography and GIS to Map Forest Landscape Changes in the Putna-Vrancea Natural Park, Romania. <i>Land</i> . 2023; 12(9):1774. <a href="https://doi.org/10.3390/land12091774">https://doi.org/10.3390/land12091774</a> | 0.511 |
| E. D. Bobric, A. P. Stoleriu, L.Niacsu, G. S Alion, BREABAN I.G, (2023) The use of spectral techniques to monitor the vegetation status in a protected area in the Iasi County, <i>Present Environment and Sustainable Development</i> , Vol17, Issue1, Page 107-125, DOI10.47743/pesd2023171008       | 0.057 |
| L. Drăgoi (Oniu), BREABAN I.G, M. M. Cazacu, (2023), "2017–2020 trends of particulate matter PM10 concentrations in the cities of Suceava and Botoșani," <i>Present Environ. Sustain. Dev.</i> , vol. 17, no. 1, pp. 335–349, 2023, doi: 10.47743/pesd2023171023.                                      | 0.057 |
| Secu CV, BREABAN I.G **, Lesenciuc CD. (2021), Spolic Technosols pollution assessment based on the cumulative maximum concentration index: a case study for the north-east of the Eastern Carpathians (Romania), <i>Environmental Earth Sciences</i> 80 (10), 1-14                                     | 0.493 |
| lonce, R., BREABAN I.G (2021), A case based, combined LCA and S-ROI methodology for sustainable mining in the Suceava County, Romania, <i>Present Environment And Sustainable Development</i> , 15, 2, 209 - 220, 10.15551/pesd2021152017, WOS:000752594600001   | 0.047 |
| Albu LM, Enea A, Iosub M, BREABAN I.G** (2020), Dam Breach Size Comparison for Flood Simulations. A HEC-RAS Based, GIS Approach for Drăcșani Lake, Sitna River, Romania, <i>Water</i> , 12 (4), 109  | 0.499 |
| NiacsuL, Sfica L, Ursu A, Ichim P., Bobric E-D, BREABAN I.G** (2019), Wind erosion on arable lands, associated with extreme blizzard conditions within the hilly area of Eastern Romania, <i>Environmental Research</i> , 169, 86-101  | 1.22  |
| Bobric, E.D., Rusu, E., Melniciuc-Puica, N., BREABAN, I.G. (2018). Investigation of carbon content from Neamtu catchment soils using FTIR spectroscopy, <i>Journal of Environmental Protection and Ecology</i> , 19(1), 288-299.   | 0.033 |
| Banica, A., BREABAN I. G., Paiu, M. (2016). From vulnerability towards resilience approach in water distribution network - the issue of asbestos cement pipes. <i>Journal of Environmental Protection and Ecology</i> , 17(3), 885-895   | 0.026 |
| Banica, A., Bobric, E.D., Cazacu, M.M., Timofte, A., Gurlui, S., BREABAN, I.G. (2017). Integrated assessment of exposure to traffic-related air pollution in Iasi city, Romania, <i>Environmental Engineering and Management Journal</i> , 16(4), 847-857.   | 0.086 |
| 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, <i>Revista de Chimie</i> , 68(6), 1431-1438  | 0.047 |
| Paiu, M., Iancu, O. G., BREABAN I. G. (2017). Geochemical distribution of trace elements in an abandoned waste mine dump from Giumalau Mountains, Romania. <i>Environmental Engineering and Management Journal</i> , 16(4), 847-857.   | 0.086 |
| Paiu, M., Iancu, O. G., BREABAN, I. G. (2015). Geochemical distribution of potentially toxic elements from a rehabilitated mine dump and the influence on vegetation. Study case Ostra mining area, Romania. <i>Journal of Environmental Protection and Ecology</i> , 16(4), 1431-1439                 | 0.023 |
| Trifan, A., BREABAN, I. G., Sava, D., Bucur, L., Toma, C. C., Miron, A. (2015). Heavy metal content in macroalgae from Roumanian Black Sea. <i>Revue Roumaine De Chimie</i> , 60(9), 915-920.  | 0.065 |
| Zavastin, D. E., Miron, A., Gherman, S. P., Boerescu, C. M., BREABAN, I. G., Gavrilescu, C. M. (2015). Antioxidant activity, total phenolic and metals contents of <i>Lactarius Salmonicolor</i> (r. Heim & Leclair). <i>Farmacia</i> , 63(5), 755-759.  | 0.068 |
| 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. <i>Materials</i> , 6(7), 2723-2746. doi: 10.3390/ma6072723    | 0.742 |



**B. ARTICOLE / STUDII PUBLICATE IN REVISTE ȘTIINȚIFICE cotate ISI  
– coautor 28- lucrari**

| Titlu lucrării  | FI    | AIS   |
|---|-------|-------|
| Vasile, D.; Dumitru-Dobre, C.; Coman, S.; Scărlătescu, V.; <b>BREABAN I.G.</b> , Enescu, R; (2023) Assessment of the monumental trees health condition from Brasov area using <i>Arbotom Sonic Tomograph</i> ., <i>Present Environment &amp; Sustainable Development</i> ,17,2,,2023  | 0.7   | 0.057 |
| Spiridon-Ursu, P.; <b>BREABAN I.G.</b> ; Sandu, I; Geopolitical changes and cultural vulnerability: analyzing the influence on community resilience and heritage sites., <i>Present Environment &amp; Sustainable Development</i> ,17,2,,2023   | 0.7   | 0.057 |
| Sfică, L., Crețu, C. Ș., Ichim, P., Hrițac, R., <b>BREABAN I.G.</b> (2023). Surface urban heat island of Iași city (Romania) and its differences from in situ screen-level air temperature measurements. <i>Sustainable Cities and Society</i> , 94.  | 11.7  | 1.414 |
| Enescu, R; Vasile, D; Dinca, L; Davidescu, S; <b>BREABAN I.G.</b> (2022), The favorability of orographic and edaphic factors for the main species that comprise urban forests from Brasov City, <i>Present Environment And Sustainable Development</i> , 16, 1, 139, 153, 0.47743/pesd2022161011  |       | 0.047 |
| Plesca, BI; Apostol, B; Plesca, IM; Dinca, LC; <b>BREABAN I.G.</b> (2022), The stational and potential favorability of forest habitats for plant and animal species located in ROSCI0076 Dealul Mare- Harlau, <i>Present Environment And Sustainable Development</i> , 16, 1, 261 272, 10.47743/pesd2022161019  |       | 0.047 |
| Ardeleanu, NN; <b>BREABAN I.G.</b> (2021), Biodiversity policies, opportunities for restoring the economy,  |       | 0.047 |
| Crisan, V; Dinca, L; <b>BREABAN I.G.</b> ; Deca, S, (2021), Analysing Pine Forest Ecosystems from Transylvania in the Context of Future Climatic Changes, <i>Present Environment And Sustainable Development</i> , 152, 199, 208, 10.15551/pesd2021152016   |       | 0.047 |
| Vechiu, E; Dinca, L; <b>BREABAN I.G.</b> , (2021), Old Forests from Dobrogea's Plateau, <i>Present Environment And Sustainable Development</i> , 15,1, 171, 178, 10.15551/pesd2021151013  |       | 0.047 |
| Dinca, L; <b>BREABAN I.G.</b> , (2020), SMART HORNBEAM STANDS ( <i>Carpinus Betulus</i> L.) FROM THE WEST PLAIN, <i>Present Environment And Sustainable Development</i> , 14, 2, 111, 119, 10.15551/pesd2020142008  |       | 0.044 |
| Dinca, L; Timis-Gansac, V; <b>BREABAN I.G.</b> , (2020), Forest stands from accumulation and natural lakes slopes from the southern Carpathians, <i>Present Environment And Sustainable Development</i> , 14, 1, 211, 218, 10.15551/pesd2020141016  |       | 0.044 |
| Cojocaru, S; Borhan, AI; Iordan, AR; Palamaru, MN; Cucu-Man, S; Hulea, V; Melniciuc-Puica, N; Dumitru, I; Roman, T; <b>BREABAN, IG</b> , (2020), Synergistic effect of fuel agents and mass ratio for morpho-structural optimization of magnetic clay-based nanocomposites with high adsorption capacity, <i>Environm. Eng. And Management Journal</i> , 19, 5, 849-860 | 1.186 | 0.08  |
| Brinza L., Ahmed I., Cismasiu C.-M., Ardelean I., <b>BREABAN I.G.</b> , Doroftei F., Ignatyev K., Moisescu C., Neamtu M., (2021), Geochemical investigations of noble metal-bearing ores: Synchrotron-based micro-analyses and microcosm bioleaching studies, <i>Chemosphere</i> , 270, Art. No. 129388   | 7.086 | 1.023 |
| Brinza L., Geraki K., <b>BREABAN, I.G.</b> , Neamtu M, (2019), Zn adsorption onto Irish <i>Fucus vesiculosus</i> : Biosorbent uptake capacity and atomistic mechanism insights, <i>Journal of Hazardous Materials</i> , 365,252-260   | 6.435 | 1.365 |
| Zavastin, D.E., Biliuta, G., Dodi, G., Macsim, A.M., Lisa, G., Gherman, S.P., <b>BREABAN, I.G.</b> , Miron, A., Coseri, S. (2018). Metal content and crude polysaccharide characterization of selected mushrooms growing in Romania, <i>Journal of Food Composition and Analysis</i> , 67, 149-158  | 2.956 | 0.682 |
| Enea, A., Urzica, A., <b>BREABAN, I.G.</b> (2018), Remote sensing, GIS and HEC-RAS techniques, applied for flood extent validation, based on Landsat imagery, LiDAR and hydrological data. Case study: Basesu river, Romania, <i>Journal of Environmental Protection and Ecology</i> , 19(3), 1091-1101.  | 0.679 | 0.033 |



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|--|-------|-------|
| Juravle, D. T., Secu, C. V., <b>BREABAN, I. G.</b> , Lesenciuc, D. C., Kasper, H. U., Bobric, E. D. (2016). Pedo-geochemical differences between young soils: regosols and spolic technosols in northern part of Eastern Carpathians (Romania). <i>Journal of Environmental Protection and Ecology</i> , 17(2), 566-575.                         | 0.774 | 0.026 |
| Secu, C. V., <b>BREABAN, I. G.</b> , Juravle, D. T., Lesenciuc, C. D. (2016). Human impact on urban soil properties from Bahlui foodplain, Iasi, Romania. <i>Journal of Environmental Protection and Ecology</i> , 17(1), 154-163.   | 0.774 | 0.026 |
| Cosutchi, A. I., Dimitriu, D. G., Zelinschi, C. B., <b>BREABAN, I.</b> , Dorohoi, D. O. (2015). Optical activity of transparent polymer layers characterized by spectral means. <i>Journal of Molecular Structure</i> , 1090, 39-43. doi: 10.1016/j.molstruc.2014.12.069   | 1.780 | 0.290 |
| Lesenciuc, C. D., Juravle, D. T., Secu, C. V., Nicu, I. C., <b>BREABAN I. G.</b> (2017). Using old landslide-dammed lakes to assess sediment delivery rates in small catchments - Case study: Iezer Lake from the Romanian Carpathians. <i>Carpathian Journal of Earth and Environmental Sciences</i> , 12(2), 499-512.                          | 0.671 | 0.117 |
| Juravle, D. T., Chira, C. M., Mare, S., Ionesi, V., Bulgariu, D., <b>BREABAN, I. G.</b> , Juravle, A. (2016). Events in the northern paleogene foreland basin of the eastern carpathians (Romania, Bucovina), at the Ypresian-Lutetian transition. <i>Carpathian Journal of Earth and Environmental Sciences</i> , 11(1), 131-146.               | 0.880 | 0.122 |
| Secu, C. V., Juravle, D. T., Paiu, M., Lesenciuc, D. C., Costica, M., Negru, D., <b>BREABAN, I. G.</b> (2016). Potentially toxic elements in urban soils of Iasi (Romania). <i>Environmental Engineering and Management Journal</i> , 15(3), 687-698.  | 1.096 | 0.073 |
| Cojocaru, S., Dumitrescu, A. M., <b>BREABAN, I. G.</b> , 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. <i>Optoelectronics and Advanced Materials-Rapid Communications</i> , 9(11-12), 1530-1534. | 0.412 | 0.062 |
| Dorohoi, D. O., Dimitriu, D. G., Dumitrascu, I., Zelinschi, C. B., <b>BREABAN, I.</b> (2015). Interferential method to determine the optical rotatory dispersion of crystalline layers. <i>University Politehnica of Bucharest Scientific Bulletin-Series a-Applied Mathematics and Physics</i> , 77(3), 253-260.                                | 0.365 | 0.064 |
| Juravle, D. T., Ionesi, V., Bulgariu, D., Chira, C. M., Mare, S., <b>BREABAN, I. G.</b> , Sandu I.G., Juravle, A. (2015). Mineralogical and Geochemical Study of Silto-lutitic Petrofacies of Upper Ypresian/Lower Lutetian Age. <i>Revista De Chimie</i> , 66(12), 2082-2087.   | 0.956 | 0.063 |
| Romanescu, G., Tirnovan, A., Sandu, I., Cojoc, G. M., <b>BREABAN, I. G.</b> , Mihu-Pintilie, A. (2015). Water Chemism within the Settling Pond of Valea Straja and the Quality of the Suha Water Body (Eastern Carpathians). <i>Revista De Chimie</i> , 66(10), 1700-1706  | 0.956 | 0.063 |
| Tucaliuc, O. M., Cretescu, I., Nemtoi, G., <b>BREABAN, I. G.</b> , Soreanu, G., Iancu, O. G. (2014). Monitoring of mercury from air and urban dust in the industrial area of Iasi municipality. <i>Environmental Engineering and Management Journal</i> , 13(8), 2051-2061   | 1.065 | 0.069 |
| Pui, A., Perree-Fauvet, M., Korri-Youssouf, H., <b>BREABAN, I. G.</b> (2009). Bis(3-X, alpha,5-Dimethyl salicylaldehyde)ethylene Diamine Nickel(II) Complexes Synthesis and Characterization. <i>Revista De Chimie</i> , 60(8), 763-766.   | 0.552 | 0.030 |
| Lacatusu, R., Lacatusu, A. R., Lungu, M., <b>BREABAN, I. G.</b> (2008). Macro- and microelements abundance in some urban soils from Romania. <i>Carpathian Journal of Earth and Environmental Sciences</i> , 3(1), 75-83.  | 0,028 | NA    |

### C. CĂRȚI ȘI CAPITOLE DE CĂRȚI

1. **BREABAN I.G.**, Teza de doctorat "Materiale compozite biodegradabile pe bază de polimeri naturali și sintetici", Ed. Tehnopress, Iași, 1999, 225p, ISBN- 9732-98864-5-0
2. **BREABAN I.G.**, (2009) – Evaluarea impactului asupra mediului, Ed. Universității „Al.I.Cuza” Iași, 160 p., ISBN978-973-703-327-7
3. Ioan Munteanu, Valeriu Moca, Ion Ioniță, **BREABAN I.G.**, 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:

4. 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
5. Ovidiu Gabriel Iancu, Nicolae Buzgar (editori responsabili) *Atlasul Geochimic al Metalelor Grele din Solurile Municipiului Iași și Împrejurimi*, Editura Universității „Alexandru Ioan Cuza” Iași, 2008, ISBN 978-973-703-329-1

**Publicatii realizate in cadrul unor proiecte:**

*Facilitatea de tranzitie 20074/19343.01.11 ; Consolidarea sprijinului societatii civile in lupta impotriva coruptiei*

6. BREABAN I.G., A. Ionce, (2010) – *Ghidul intreprinzătorului – legislația de mediu în situri Natura 2000*, 59p
7. BREABAN I.G., A. Ionce, (2010) – *Transparența în administrația publică locală*, 59p  
*20 FP7-SCIENCE-IN-SOCIETY 2011-1, STAGES GA289051/2011*
8. D. Balahur, L. Mitoșeriu, L. Bejenariu, BREABAN I.G., M. Cojocaru, 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. Căcere, D. Balahur, I. Bleijenberg, D. Falcinelli, M. Friedrich, E. Schmidt

**Capitol in volume internationale de prestigiu**

9. 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
10. BREABAN I.G., A.I. Breaban, *Causes and Effects of Water Pollution in Romania*, In: Negm A., Romanescu G., Zelenáková M. (eds) *Water Resources Management in Romania*. Springer Water. Springer, Cham, 57-131 ISBN 978-3-030-22319-9 [https://doi.org/10.1007/978-3-030-22320-5\\_3](https://doi.org/10.1007/978-3-030-22320-5_3)
11. BREABAN I.G., Stoleriu, A.P., Stoleriu, A.F. (2024). Remote Sensing Indicators for Assessing the Trophic Status of Barrier Lakes from Bahlui Catchment (Romania). In: Çiner, A., et al. *Recent Research on Geotechnical Engineering, Remote Sensing, Geophysics and Earthquake Seismology*. MedGU 2021. *Advances in Science, Technology & Innovation*. Springer, Cham. [https://doi.org/10.1007/978-3-031-43218-7\\_47](https://doi.org/10.1007/978-3-031-43218-7_47)
12. Ionce, R., BREABAN I.G., (2024). Anthropogenic Influences on the Intensity of Natural Hazards in the Calimani Mountains, Romania. In: Ksibi, M., et al. *Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions (3rd Edition)*. EMCEI 2021. *Advances in Science, Technology & Innovation*. Springer, Cham. [https://doi.org/10.1007/978-3-031-43922-3\\_120](https://doi.org/10.1007/978-3-031-43922-3_120)
13. Ardeleanu, NN., BREABAN I.G., (2024). Provisioning Ecosystem Services in the Protected Natural Area of Community Interest ROSCI0434 Siretul Mijlociu (Romania). In: Ksibi, M., et al. *Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions (3rd Edition)*. EMCEI 2021. *Advances in Science, Technology & Innovation*. Springer, Cham. [https://doi.org/10.1007/978-3-031-43922-3\\_167](https://doi.org/10.1007/978-3-031-43922-3_167)

**D. ARTICOLE IN EXTENSO PUBLICATE ÎN PROCEEDINGS-URI INDEXATE ISI AIS=NA 7lucrari**

1. BREABAN I.G., Bobric E.D., Rusu E., Secu C.V., (2017), Soil organic matter assesment 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
3. Banica, A., Bobric, D. E., BREABAN, I. G. (2016). Issues related to air quality monitoring in North-East Region (Romania), *Energy and Clean Technologies Conference Proceedings, Sgem 2016, Vol II* (pp. 451-458).
4. Banica, A., BREABAN, I. G., Terryn, 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).
5. BREABAN, I. G., Paiu, M. (2016). Ecological risk assessment of heavy metals from road dust in Iasi, Romania *Water Resources, Forest, Marine and Ocean Ecosystems Conference Proceedings, Sgem 2016, Vol II* (pp. 79-86).
6. BREABAN, I. G., Paiu, M., Juravle, D. T. (2016). LA-ICP-MS analysis of rare earth elements from northern part of the moldavidic 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).

**E. ARTICOLE BDI - 63 lucrari**

1. Crețu, C., Ichim, P., Sfică, L., BREABAN I.G., (2022) Relationship between land surface temperature and imperviousness density in the urban area of Iasi. 2022 "Air and Water – Components of the Environment" Conference Proceedings, Cluj- Napoca, Romania, p. 12-18, DOI: 10.24193/AWC2022\_02
2. Ardeleanu, N.-N., Breabăn, I.-G., (2021), „Environmental factor water and anthropic pressures that influence ecosystems from NATURA 2000 site ROSCI0434 Siretul Mijlociu, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 21(5.1), pp. 107–114
3. Stoleriu, A.F., BREABAN I.G., Stoleriu, A.P., (2021), Assessing water quality from Tansa Barrier Lake (ROMANIA) using Sentinel-2 data, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 21(2.1), pp. 247–254
4. Istrate, A.G., BREABAN I.G., Ichim, P., Ursu, A., (2021), Implications of land use - Land cover change in the northern part of Putna Vrancea natural park, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 21(3.1), pp. 465–473





5. Stoleriu, A.P., **BREABAN I.G.**, Rusu, C. (2019) Using Sentinel 2 time series for forest tree species classification. Case study: NE of Romania, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2019, 19(1.4), pp. 437-444
6. **BREABAN I.G.**, Stoleriu A.P., (2020), Monitoring the crops phenology using time series Sentinel 2 images, ACTA GEOBALCANICA 6-2, pp.95-101 <https://doi.org/10.18509/AGB.2020.10>
7. Stoleriu A.P., **BREABAN I.G.**, Rusu C., (2020), Effect of land-use on soil properties in NE part of Romania, ACTA GEOBALCANICA6-2, pp. 75- 81 <https://doi.org/10.18509/AGB.2020.08>
8. Plesca, IM; Blaga, T; Dinca, L; **BREABAN, IG**, (2019), Prioritizing the potential of non-wood forest products from Arad county by using the analytical hierarchy process, *Present Environment And Sustainable Development*,13,2, 225, 233,10.15551/pesd2019132017
9. Mișu-Pintilie A., Romanescu G., Stoleriu C. C, **BREABAN I.G.**, (2015), *Physico-Chemical Parameters in Mountain Freshwater: Cuejdi River from Eastern Carpathians, Romania, Key Engineering Materials*, 660, 257, 261
10. Aoncioaie C., Erhan M.G., Costin Ghețeu D., **BREABAN I.G.**, (2013), "Algoflora from the Miletin and Jijia inferior catchments  
i. *Phylum Bacillariophyta and Phylum Cyanobacteria, Analele Științifice ale Universității „Al. I. Cuza” Iași s. II a. Biologie vegetală*, 2013, 59, 2: 25-35 [http://www.bio.uaic.ro/publicatii/anale\\_vegetala/anale\\_veg\\_index.html](http://www.bio.uaic.ro/publicatii/anale_vegetala/anale_veg_index.html)
11. Paiu M., **BREABAN I.G.**, (2014), "Water quality index – an instrument for water resources management." *Aerul si Apa Componente Ale Mediului*, 391-98. [http://aerapa.conference.ubbcluj.ro/2014/PDF/52-Paiu\\_Breaban.pdf](http://aerapa.conference.ubbcluj.ro/2014/PDF/52-Paiu_Breaban.pdf)
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