

LISTA LUCRĂRILOR PUBLICATE

- **Teza de doctorat:** *Studiul comunităților de diatomee epilactice din râul Cerna*, Universitatea Babeș-Bolyai, Facultatea de Biologie-Geologie, Cluj-Napoca, 2011

ARTICOLE PUBLICATE ÎN DIFERITE REVISTE:

REVISTE INDEXATE ISI:

AUTOR PRINCIPAL:

- Filimon, M. N., Borozan, A. B., Bordean, D. M., Popescu, R., Gotia, S. R., Verdeș, D., Sinitean, A., 2011, Sulphonylureic herbicidal risk in the detection of soil fungi communities. *African Journal of Microbiology Research*, 5 (30): 5507-5511, ISSN 1996-0808 (AIS=0.073).
- Filimon, M.N.; Caraba, I.V.; Popescu, R.; Dumitrescu, G.; Verdes, D.; Petculescu Ciochina, L.; Sinitean, A., 2021, Potential Ecological and Human Health Risks of Heavy Metals in Soils in Selected Copper Mining Areas-A Case Study: The Bor Area. *Int. J. Environ. Res. Public Health*, 18, 1516. <https://doi.org/10.3390/ijerph18041516>, (AIS= 0.771, IF=3,390);

CONTRIBUTOR:

- Uruioc, S., Mășu, S., Sinitean, A., Albulescu, M., 2012. Mud volcanoes from Banat region (Romania): Their environment impact. *Carpathian Journal of Earth and Environmental Sciences*, 7 (3): 145–158, ISSN 1844 - 489X (AIS=0.133)
- Filimon M.N., Popescu R., Sinitean A., Maniu P., Dumitrescu G., Verdes D., Vlad C.S., 2018, The Assessment of Chitosan Solutions Effects on Bacterial Strains, *Revista de Chimie*, (Bucharest), 69 (6): 1485 – 1488, ISSN 0034-7752, (AIS=0.052, IF 1,412);
- Mituletu M, Filimon MN, Vlad DC, Cimporescu A, Dumitrescu E, Dumitrescu G, Nica C, Sinitean A, Verdes D, 2019, Effect of Lead Toxicity on the Structure and Function of Organs in Rats, *Revista de Chimie*, (Bucharest), 70(5): 1639-1642, (AIS=0,064, IF 1,412);
- Pacioglu O, Ianovici N, Filimon MN, Sinitean A, Iacob G, Barabas H, Pahomi A, Acs A, Muntean H, Pârvulescu L, 2019, The multifaceted effects induced by floods on the macroinvertebrate communities inhabiting a sinking cave stream, *International Journal of Speleology*, 48(2): 167-177, (AIS= 0.503, IF 1.130);
- Pacioglu O, Strungaru S A, Ianovici N, Filimon MN, Sinitean A, Iacob G, Barabas H, Acs A, Muntean H, Plăvan G, Schulz R, Zubrod JP, Pârvulescu L. 2020. Ecophysiological and life-history adaptations of *Gammarus balcanicus* (Schäferna, 1922) in a sinking-cave stream from Western Carpathians (Romania). *Zoology*. 139. <https://doi.org/10.1016/j.zool.2020.125754>, (AIS=0.644, IF=1.681);
- Horablaga, A., Lixandru, B., Petrovici. M., Sinitean, A., Marin, A.A., Morariu, F., Horablaga, M., Morariu, S., 2020. Use of benthic macroinvertebrates in the diagnosis of Bega river water quality and self-purification process: *Environmental Engineering and Management Journal*. 19, (3), 505-510, <http://www.eemj.eu> (AIS=0.103, IF=0,806);
- FILIMON, M. N., CARABA, I. V., POPESCU, R., DUMITRESCU, G., VERDES, D., PETCULESCU CIOCHINA, L., SINITEAN, A., 2021, Potential Ecological and Human Health Risks of Heavy Metals in Soils in Selected Copper Mining Areas—A Case Study: The Bor Area, *International Journal of Environmental Research and Public Health*, 18 (4), 1516; <https://doi.org/10.3390/ijerph18041516>
- Filimon, M.N., Dumitrescu, G., Caraba, I.V., Sinitean A., Verdes D., Mituletu M., Cornianu M., Popescu R., 2021, Effects of mine waste water on rat: bioaccumulation and histopathological evaluation. *Environ Sci Pollut Res*, 28, 20222–20239, <https://doi.org/10.1007/s11356-020-11844-3>, (AIS=0,584, IF=4,223);
- Caraba, I.V.; Caraba, M.N.; Hutanu, D.; Sinitean, A.; Dumitrescu, G.; Popescu, R., 2023, Trace Metal Accumulation in Rats Exposed to Mine Waters: A Case Study, Bor Area (Serbia). *Toxics*, 11, 960. <https://doi.org/10.3390/toxics11120960> (AIS=0,734, IF=4,60) Zona Galbena - Q2

- Caraba, M.N., Caraba, I.V., Pet, E., Pet, I., Crisan, L., Sinitean, A., Huțanu, D., 2024, Soil Enzymatic Response to Nicosulfuron: A Preliminary Study in a Chernozem Typical to the Banat Plain, Western Romania. *Agriculture-Basel*, 14 (8), 1380, (AIS 0.469, IF=3.3), <https://doi.org/10.3390/agriculture14081380>
- Giurginca, N.A.; Caraba, M.N.; Dumitrescu, G.; Pet, I.; Pet, E.; Sinitean, A.; Hutanu, D.; Caraba, I.V., 2025, Off-Season Reproductive Performance of Tsurcana Ewes Under Five Estrous Induction Protocols with Different Hormonal Profiles. *Biology*, 14, 1217. <https://doi.org/10.3390/biology14091217>
- Nan, A.; Mituletu, M.; Dumitrescu, G.; Caraba, I.V.; Pet, I.; Sinitean, A.; Matica, M.A.; Liliana, P.C.; Pet, E.; Popescu, R.; et al., 2025, Antimicrobial and Biofilm Inhibiting Potential of Two Romanian Linden Honeys. *Foods*, 14, 3594. <https://doi.org/10.3390/foods14213594>

ARTICOLE COTATE ISI PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE (PROCEEDINGS):

- Krstić, V., Petrovici, M., Fodor, A., Petrehele, A.I.G., Dumbravă-Dodoacă, M., Sinitean, A. 2012. A survey of heavy metals dynamic in the Crișul Negru River (Romania) and their uptake by aquatic fauna. *Proceedings of International October Conference on Mining and Metallurgy*, 44th edition, Bor, Serbia, ISBN: 978-86-7827-042-0, pp: 699-704.
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- Neidoni, D. G., Andres, L., Nicorescu, V., Blaziu Lehr, C., Bucur, E., Sinitean, A., 2018, The Use of Corticolous Lichen Species to Assess the Level of Air Pollution With Heavy Metals, *International Symposium "The Environment and the Industry"*, Simi, *Proceedings Book*, 443-450, <http://doi.org/10.21698/simi.2018.fp54>.

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AUTOR PRINCIPAL:

- Faur A., Ianovici N., Sinitean A., 2003, Airbiological Study On the Hamamelidae (Amentiferae) Pollen in the West Plain, *Annals of West University of Timișoara*, ser. Biology, 5-6: 1-10.
- Faur A., Ianovici N., Sinitean A., 2003, Phenoecology Studies On Some Anemophile Ligneous Magnoliatae From Timișoara, *Annals of West University of Timișoara*, ser. Biology, 5-6: 17-25.
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- Obradović, L., Bugarin, M., Gardic, V., Uruic, S., Albulescu, M., Sinitean, A., 2012, Underground Mine Wastewaters Characterization, *Annals of West University of Timișoara*, Ser. of Chemistry 20 (4): 121-126.
- Péterfi, L. Șt., Sinitean, A., 2007, Researches upon the Epilithic Diatoms Flora from Cerna Valley, *Analele Universității din Oradea*, 14: 47-52.
- Sinitean, A., Petrovici, M., 2012. Usage of biotic indices in evaluating the impact of the urban centres on the quality of the water in rivers. *Aquaculture, Aquarium, Conservation & Legislation* 5 (2): 60-63.

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- Uruioc S., Mășu S., Albușescu M., Seghedi A., Turugă L., Sinitean A., 2010, Ocna de Fier Area – A Possible Mining Geopark in the S-W of Romania, *Annals of West University of Timișoara, Series Chemistry*, 19 (3): 1-8

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- Filimon, M. N., Török-Oance, R., Sinitean, A., Borozan, A., Radu, F., 2009, Estimation of the efficiency of the Floricola S.A. Orșova water purification station in the reduction of surface water pollution, *Annals of West University of Timișoara, Ser. of Chemistry*, 18 (3): 27-36.
- Filimon, M. N., Borozan, A., Sinitean, A., Török-Oance, R., Gherman, V., 2009, Enzymological Studies On River Timiș With A Role In Evaluating Pollution, *Lucrări Științifice, seria Agronomie, Iași*, 51.
- Filimon, M. N., Borozan, A., Sinitean, A., Török-Oance, R., Gherman, V., Gotia, S. L., 2009, Pollution Degree In The Thermocentral Area Turceni Based On Microorganisms Activities, *Lucrări Științifice, seria Agronomie, Iași*, 51.
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- Filimon, M. N., Borozan, A., Sinitean, A., Popescu, R., Török-Oance, R., Verdeș, D., 2010, Bacteriological studies on Timiș and Bega Rivers with a role in appreciating pollution. *Annals of RSCB*, 15 (2): 217-220.
- Filimon, M. N., Sinitean, A., Ianovici, N., Borozan, A., Bordean, D. M., Dumitrescu, G., Popescu, R., 2012, The Influence Of Deoxynivalenol (Don) On Hemoleucogram Components At Rats, *Analele Universității din Oradea - Fascicula Biologie*, 19 (1): 23 – 28.
- Filimon, M. N., Popescu, R., Sinitean, A., Dascălu, D., Isvoran, A., Ionașcu, C., Obradović, L., 2012, The effect of Zn and Mn heavy metals of the pathogenic microorganisms, *Annals of West University of Timișoara, Ser. of Chemistry* 20 (4): 89-96.
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- Marin A.-A., Lixandru B., Petrovici M., Sinitean A., Morariu F., Popescu D. 2016. The structure and dynamics of macrozoobenthic communities of the Bega River Water. *Bulletin USAMV series Agriculture* 73(1), ISSN 1843-5246, pp: 53-58
- Marin A.-A., Lixandru B., Petrovici M., Sinitean A., Popescu D., Ciulan V., Cioban G., Morariu F., 2016. Research regarding the changes that occur in the structure of benthic macroinvertebrates communities as a result of anthropogenic activities. *Scientific Papers: Animal Science and Biotechnologies* 49(1), ISSN 1841-9364, pp: 163-167
- Marin A.-A., Lixandru B., Morariu F., Morariu S., Petrovici M., Sinitean A., Popescu D. 2015. Research regarding the changes to the biodiversity of the Bega River water fauna. *Lucr. ST.USAMV Iași, seria Medicină Veterinară* 58(3), ISSN: 1454-7406, pp: 547-553
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- Marin A.-A., Lixandru B., Sinitean A., Petrovici M., Morariu F., Popescu D., Lati V. 2015. The composition of benthic vernal diatoms communities on the lower course of Bega River. Bulletin USAMV series Agriculture 72(2), ISSN 1843-5246, pp: 423-427
- Marin A.-A., Lixandru B., Petrovici M., Sinitean A., Popescu D., Ciulan V., Cioban G., Morariu F. 2016. Research regarding the changes that occur in the structure of benthic macro invertebrates communities as a result of anthropogenic activities. Scientific Papers: Animal Science and Biotechnologies 49 (1): 163-167.
- Pascu, M., Pîrv, O., Sinitean, A., 2004, Mures Meadow Natural Park (MMNP) – Achievements and Perspectives, Annals of West University of Timișoara, ser. Biology, 7: 31-37.
- Péterfi, L. Șt., Kiss, A., Sinitean, A., 2007, A Study of the Epilithic Diatom Flora of the Upper Cerna River, Annals of West University of Timișoara, ser. Biology, 10: 27-38.
- Péterfi, L. Șt., Voicinco, N., Sinitean, A., 2007, A Survey of the Epilithic Diatom Communities of the Upper Cerna River, Annals of West University of Timișoara, ser. Biology, 10: 39-50.
- Schrött, L., Sinitean, A., 1999, Vegetația acvatică din împrejurimile municipiului Timișoara, Annals of West University of Timișoara, ser. of Biology, 2: 171-181.
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- Schrött, L., Sinitean, A., 2001, Steppic Peony (*Paeonia tenuifolia* L.) a Rare Species in the Flora of Banat, Annals of West University of Timișoara, series of Biology, 2000-2001, 3-4: 33-38.

LUCRĂRI PUBLICATE ÎN VOLUMELE UNOR CONFERINȚE (NEINDEXATE):

- Caraba MN, Caraba I.V.*, Sinitean A, Dumitrescu G, Popescu R. Administration of ochratoxin A to laboratory animals and its effects on blood parameters, Proceedings of 23rd International Multidisciplinary Scientific GeoConference SGEM 2023, STEF92 Technology, vol 23, issue 6.1, 10.5593/sgem2023/6.1/s25.12, ISSN 1314-2704, ISSN 978-619-7603-61-3.
- Uruioc, S., Mășu, S., Sinitean, A., Albușescu, M., Popovici H., 2011, Preliminary study of mud volcanoes in Banat (South-West Romania), Geo-Eco-Marina, 17: 247-251.
- Faur, A., Borbely, B., Ianovici N., Sinitean A., 2000, Studies about the Dynamics of Allergenic Pollen of Anemophilous Wooden Plants from South-West of Romania, Proceeding of 4rd International Symposium Regional Multidisciplinary Research (Hungary, Romania, Yugoslavia), Section Biological Sciences, Agriculture and Environment, Timișoara, 178-182.
- Péterfi, L. Șt., Sinitean, A., 2002, Preliminary Studies on Diatoms in Thermo mineral Springs from Băile Herculane (Caraș – Severin District), Proceedings of the Symposium "Studies of Biodiversity, West Romania Protected Areas", USAMVB Timișoara, 25-28.
- Schrött, L., Sinitean, A., 2002, Contributions to the Knowledge of Some Rare Species of the Gorgan's Hillocks (Caras-Severin County), Proceedings of the Symposium "Studies of Biodiversity, West Romania Protected Areas", USAMVB Timișoara, 46-52.
- Uruioc, S., Mășu, S., Sinitean, A., 2007, Researches Regarding Postvolcanic Emanations from South-West of Romania. Mud Volcanoes from Fibis Valley, Proceedings the 14th Symposium on Analytical and Environmental Problems, SZAB, Szeged, 340-343.
- Uruioc, S., Mășu, S., Sinitean, A., Albușescu, M., Lixandru, B., Popovici, H., 2008, New data about mud volcanoes from South-West of Romania, Anuarul Institutului Geologic al României, 75 (1): 66-67.