

Lista de lucrări Neagoie Aurora-Daniela

- a) **Teza de doctorat:** “Efectul contaminării cu gudron a zonei Rositz/Thuringia - Germania și a decontaminării termice asupra conținutului de Mangan, Zinc, Cupru și Molibden din vegetație și asupra transferului acestor microelemente către populația umană”, 2008, 20 p. rezumat în lb. Română. Publicată *în limba germană* “Die Auswirkungen der Belastung eines Lebensraumes Rositz-Thüringen/Deutschland mit Teer und seiner Dekontamination auf den Mangan-, Zink-, Kupfer-, und Molybdäntransport auf der Nahrungskette des Menschen”, Ed. Ars Docendi - Universitatea din București, pp. 100.
- b) **Cărți naționale**
1. **Neagoie A.**, Iordache V., Fărcășanu I, 2011, Remediation of polluted areas, Ed. Universității din București, ISBN 978-973-737-907-8, p. 195.
 2. **Neagoie A.**, Iordache V., 2021, Ghid de remediere a zonelor poluate cu elemente toxice, p. 227, Ediția 1, incompletă, DOI: [10.13140/RG.2.2.25793.48486/1](https://doi.org/10.13140/RG.2.2.25793.48486/1)
 3. Mladin P., Mladin Gh., Neagu T., Oprea E., **Neagoie A.**, Rati V., Chițu-Sumedrea M., Coman-Sumedrea D. 2011, Varieties and ecological culture technologies for tufted bush, raspberry and black currant. Ed. Universității din Pitești, ISBN 978-606-560-237-3, p. 150.
- c) **Capitole de cărți internaționale**
1. **Neagoie A.**, Iordache V., Kothe E. 2013, Upscaling the Biogeochemical Role of Arbuscular Mycorrhizal Fungi in metals mobility, in Goltapeh EM, Danesj YR, Varma A (Eds) Fungi as bioremediators, Soil Biology, Springer Heidelberg New York Dordrecht London, p. 285-313, ISBN 978-3-642-33811-3 (chapter - 27 p.).
 2. **Neagoie A.**, Iordache V., Fărcășanu I. 2012, The Role of Organic Matter in the Mobility of Metals in Contaminated Sites in Soil Biology, Volume 31, Bio-Geo Interactions in Metal-Contaminated Soils, pp. 297-325, Kothe E, Varma A (Eds), Springer-Verlag Berlin Heidelberg, 423 pages, ISBN: 978-3-642-23326-5/ e-978-3-642-23327-2/1613-3382 (chapter - 28 p.)
 3. Fărcășanu I., Matache M., **Neagoie A.**, Iordache V. 2012, Hyperaccumulation: a Key to Heavy Metal Bioremediation, in Soil Biology, Kothe E, Varma A (Eds) Biogeochemical interactions in contaminated soils, Springer Verlag Berlin, Heidelberg, Volume 31, Bio-Geo Interactions in Metal-Contaminated Soils, pp 251 - 278, ISBN: 978-3-642-23326-5/ e-978-3-642-23327-2/1613-3382 (chapter - 27 p).
 4. Iordache V., Lăcătușu R., Scărădeanu D., Onete M., Ion S., Cobzaru I., **Neagoie A.**, Bodescu F., Jianu D., Purice D. 2012, Contributions to the Theoretical Foundations of Integrated Modelling in Biogeochemistry and Their Application in Contaminated Areas in Soil Biology, Volume 31, Bio-Geo Interactions in Metal-Contaminated Soils, p. 385-416, Springer Verlag Berlin, Heidelberg, ISBN: 978-3-642-23326-5/ e-978-3-642-23327-2/1613-3382 (chapter - 31p).
 5. Jianu D., Iordache V., Soare B., Petrescu L., **Neagoie A.**, Iacob C., Orza R. 2012, The Role of Mineralogy and Geochemistry in Hazard Potential Assessment of Mining Areas, in Soil Biology, Kothe E, Varma A (Eds) Biogeochemical interactions in contaminated soils, Springer Verlag Berlin, Heidelberg, Volume 31, Bio-Geo Interactions in Metal-Contaminated Soils, p. 35 - 79, ISBN: 978-3-642-23326-5/ e-978-3-642-23327-2/1613-3382 (chapter - 44 p.).
 6. Iordache V., Kothe E., **Neagoie A.**, Gherghel F. 2011, A conceptual framework for up-scaling ecological processes and application to ectomycorrhizal fungi, pp. 255-299, in Soil Biology, volume 25, M. Rai and A. Varma (eds.), 255-299 p., Diversity and Biotechnology of Ectomycorrhizae, Springer-Verlag Berlin Heidelberg, ISBN:1613-3382/978-3-642-15196-5 (chapter - 44 p.).
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 8. **Neagoie A.**, Iordache V., Altorfer T., Anke M., 2000, Die Spurenelemente Mangan, Zink, Kupfer und Molybdän in der Nahrungskette des Menschen eines Teerbelasteten Lebensraumes (Rositz, Thüringen), in *Mineralstoffe: Mengen-*

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9. Mocanu H., Neagoe A., Anke M., 1999. Cadmiumtransfer in der Nahrungskette des Menschen des Teerbelasteten Lebensraumes Rositz (Thüringen), in *Mengen- Spuren- und Ultrapurenelemente in der Prävention*, Wissenschaftliche Verlagsgesellschaft mbH Stuttgart, 367-373 [ISBN 3-8047-1838-8].

d) **Articole cotate ISI**

1. Neagoe A, Iordache V., 2023, A Commercial Arbuscular Mycorrhizal Inoculum Alleviated the Effects of Acid Water on *Lupinus angustifolius* Grown in a Sterilized Mining Dump, *Plants*, 12(10), 1983; <https://doi.org/10.3390/plants12101983>, (**autori cu contribuții egale**).
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4. Constantinescu P., Neagoe A., Nicoară A., Grawunder A., Ion S., Onete M., Iordache V., 2019, Implications of spatial heterogeneity of tailing material and time scale of vegetation growth processes for the design of phytostabilisation, *Science of the Total Environment*, 692: 1057-1069, (**primul și al doilea autor au contribuții egale**), [10.1016/J.SCITOTENV.2019.07.299](https://doi.org/10.1016/J.SCITOTENV.2019.07.299).
5. Neagoe A., Tenea G., Cucu N., Ion S., Iordache V., 2017, Coupling *Nicotiana tabaccum* Transgenic Plants with *Rhizophagus irregularis* for Phytoremediation of Heavy Metal Polluted Areas, *Revista de Chimie*, vol. 68(4): 789-795.
6. Păun A., Neagoe A., Păun M., Baciuc I., Iordache V. 2015, Response of oxidative stress variables, proteins and chlorophyll in three plant species from spontaneous flora caused by moderate soil pollution with toxic elements, in *Polish Journal of Environmental Studies* DOI 10.15244/pjoes/30935, Vol. 24, No. 3 (2015), 1219-1234, (**autor corespondent**).
7. Păun A., Neagoe A., Păun M., Baciuc I., Iordache V., 2015, Heavy metal induced differential responses to oxidative stress and protection by mycorrhization in sunflower grown at lab and field scales, in *Polish Journal of Environmental Studies* Vol. 24, No. 3, 1235-1247, DOI 10.15244/pjoes/32099, (**autor corespondent**).
8. Neagoe A., Stancu P., Nicoară A., Onete M., Bodescu F., Gheorghe G., Iordache V., 2014, Effects of arbuscular mycorrhizal fungi on *Agrostis capillaris* grown on amended mine tailing substrate at pot, lysimeter, and field plot scales. *Environ Sci Pollut Res.*, 21: 6859 – 6876, DOI 10.1007/s11356-013-1908-2, (**primul și ultimul autor au contribuții egale**).
9. Nicoară A., Neagoe A., Stancu P., de Giudici G., Langella F., Sprocati A.R., Iordache V., Kothe E., 2014, Coupled pot and lysimeter experiments assessing plant performance in microbially assisted phytoremediation, *Environ Sci Pollut Res*, no. 11, 21: 6905 – 6920, DOI: 10.1007/s 11356-013-2489-9, (**primul și al doilea autor au contribuții egale**).
10. Neagoe A., Iordache V., Bergmann H.†, Kothe E., 2013, Patterns of *Arbuscular mycorrhizal fungi* effects on plants grown in contaminated soil, *J. Plant Nutr. Soil Sci.*, 176, 273-286, DOI: 10.1002/jpln.201200079.
11. Păun A., Neagoe A., Baciuc I., 2012, The Effects of *Arbuscular Mycorrhizal Fungi* on the Transfer of Heavy Metals and Oxidative Stress related Parameters in Sunflower Exposed to Multi-Element Pollution, *Rev. Chim.* 63, No. 2, p. 146-152 (**autor corespondent**).
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16. Dunea D., Bretcan P., Purcoi L., Tanislav D., Serban G., **Neagoe A.**, Iordache V., Iordache S., 2021, Effects of riparian vegetation on evapotranspiration processes and water quality of small plain streams, 21(4):629-640, *Ecophysiol Hydrobiol*, <https://doi.org/10.1016/j.ecohyd.2021.02.004>.
17. Manu M., Honciuc V., **Neagoe A.**, Băncilă R.I., Iordache V., Onete M., 2019, Soil mite communities (Acari: Mesostigmata, Oribatida) as bioindicators for environmental conditions from polluted soils, *Sci Rep* 9, 20250, [10.1038/S41598-019-56700-8](https://doi.org/10.1038/S41598-019-56700-8).
18. Ruta L.L., Banu M.A., **Neagoe A.**, Kissen R., Bones A.M., Fărcășanu I.C., 2018, Accumulation of Ag (I) by *Saccharomyces cerevisiae* Cells Expressing Plant, Metallothioneins, *Cells*, 7: 266, <https://doi.org/10.3390/cells7120266>.
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20. Ruta L.L., Lin Y-F, Kissen R., Nicolau I., **Neagoe A.D.**, Ghenea S., Bones A.M., Farcasanu I.C., 2017, Anchoring plant metallothioneins to the inner face of the plasma membrane of *Saccharomyces cerevisiae* cells leads to heavy metal accumulation, *PloS one*, vol. 12, no. 5, p. e0178393.
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e) **Articole în reviste indexate în base de date internaționale (BDI)**

1. **Neagoie A.**, Iordache V., 2022, Mining Dump Material Inoculation with Arbuscular Mycorrhizal Fungi Alleviates the Effects of Acidic Water on *Lupinus Angustifolius*, SSRN 4292647 <http://dx.doi.org/10.2139/ssrn.4292647>.
2. **Neagoie A.**, Constantinescu P., Nicoara A., Onete M., Iordache V., 2020, Data from experiments with tailing material and *Agrostis capillaris* at three scales: pot, lysimeter and field plot, Volume 28, 104964, Data in brief, <https://doi.org/10.1016/j.dib.2019.104964>.
3. **Neagoie A.**, Iordache V., Mascher R., Knoch B., Kothe E., Bergmann H. 2006, Lysimeters experiment using soil from heavy metals contaminated area, 23. Arbeitstagung in Jena, Agricultural, Biological, Environmental, Nutritional and Medical Importance of Macro, Trace and Ultra Trace Elements, Friedrich Schiller Universität, [ISBN 3-929526-85-9, ISSN 1430-9637], p.568-575.
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6. **Neagoie A.**, Iordache V., F. Bodescu, S. Cristofor, A. Vadineanu, 2001, The gradient of heavy metals in new deposited sediments in the Danube floodplain, Proceedings of the "Deltas and Wetlands" International Symposium, Tulcea, 134-141.
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10. Jianu D., Orza R., Iacob C., Petrescu L., Iordache V., **Neagoie A.**, Rusu J., 2014, The Potential Hazard Induced by Heavy Metal Contamination Related to Tailings Ponds. Case Study: Pîrâul Cailor Tailing Pond (Suceava County, Romania), *Rom. J. Mineral Deposits*, vol. 87 (2014), No. 2, p. 87-90.
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17. Nicoara A., **Neagoie A.**, Donciu R., Iordache V., 2010, The Effects of Mycorrhizal Fungus, Streptomycetes and Plants on Heavy Metal Mobility and Bioaccumulation in an Industrially Enriched Soil: Preliminary Results of a Lysimeter Experiment, *Metal Elements in Environment, Medicine and Biology*, Timișoara, Tome X, ISSN 1583 - 4204, p. 221-233.
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19. Iordache V., **Neaogoe A.**, Bergmann H., Kothe E., Buechel G., 2006, "Factors influencing the export of metals by leaching in bioremediation experiments. 23. Arbeitstagung in Jena, Lebensnotwendigkeit und Toxizität der Mengen-, Spuren- und Ultraspurenelemente, 288-295, ISBN 3-929526-85-9, ISSN 1430-9637.
 20. Iordache V., **Neaogoe A.**, Bergman H. 2004, Effects of mycorrhization of *Phacelia tanacetifolia* on metals accumulation and oxidative stress, Proceedings of the 5th International Symposium on Metal elements in Environment, Medicine and Biology, Timisoara, Romania, Tom VI, ISBN 973 - 620 - 119 - 8, ISSN 1583 - 4204, p. 105-113.
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 22. Anke M., Dorn W., Müller M., Rother C., Losh E., Hartmann E., Möller E., Neaogoe A., Mocanu H., 1999, Mangantransfer in der Nahrungskette des Menschen. 4. Mitteilung: Der Manganverzehr in Abhängigkeit von Geschlecht, Zeit, Lebensraum, Kost- from Alter, Körpergewicht, Jahreszeit und Stillzeit, *Mengen-, Spuren- und Ultraspurenelemente, Friedrich Schiller Universität*, Publisher Verlag Harold Schubert Garskestr 3 Leipzig, Germany, ISSN: 1430-9637, pp. 1030-1037, [WOS:000088212300140](#).
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f. Altele. Volume ale unor manifestări științifice recunoscute în țară și în străinătate

1. Iordache V., Lăcătușu R., Onete M., Stelian I., **Neaogoe A.**, Orza R., Burtea G., Bodescu F., Scărădeanu D. (2015) Public georeferenced data sets for coupling plant scale and catchment scale processes, Conference: International Conference – Environment at a Crossroads: SMART approaches for a sustainable future, At Bucharest, Romania, Volume: Proceedings of the International Conference Environment at a Crossroads: SMART approaches for a sustainable future, Annual Meeting of the Faculty of Geography, Editors: C. Ioja, M. R. Niță, D. A. Onose, I. Stupariu, ISBN: 978-973-0-20300-4.
2. **Neaogoe A.**, Iordache V., Jianu D., Petrescu L., Onete M., Bodescu F., 2010, Procedures for the control of metals in contaminated catchments: research program and preliminary results, proceedings of the second conference, Modern technologies and biotechnologies for environmental protection, June 2-5, Sibiu, ISSN 2068-5610, p. 117-122.
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