

## CS3. Dr. Aurora Neagoe

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Nationalitate: Română

Stare civil : Ȧ Ȧ Casatorita  
 Data nasterii: Ȧ 23 Ianuarie 1965  
 Interese: biogeochimie, bioremediere Ȧ Ȧ Detalii:  
 Munca mea de cercetare s-a focalizat pe :- Biogeochimia azotului Ȧ Ȧ bazinele agricole Ȧ Ȧ lunca inundabil a Dun rii;-  
 Biogeochimia metalelor Ȧ Ȧ Rositz/Turingia, Germania (activitate efectuat pe perioada 1995-1999 sub form de stagii  
 doctorale de minim 6 luni pe an)- Strategii de bioremediere a ecosistemelor terestre poluate cu metale grele (2003-  
 prezent)

Activitate didactica  
 Lucrari practice cu studencii: doua semestre Ȧ Ȧ 2003 Ȧ Ȧ 2004, Ȧ Ȧ cadrul cursului  
 Ȧ Ȧ Ȧ ErenahrungswissenschaftȦ Ȧ Ȧ suscinut de Prof. Bergmann de la Facultatea de Biologie Ȧ Ȧ Farmacie Feiedrich Schiller din  
 Jena, Germania; Ȧ Ȧ Curs Ȧ Ȧ cadrul masterului indisciplinar Ȧ Ȧ Ȧ Evaluarea Ȧ Ȧ Controlul Integrat al Polu rii MediuluiȦ Ȧ Ȧ organizat de  
 Universitatea din Bucure \_ti, CREDIS, Departamentul de Tehnologii, Ȧ Ȧ titlul cursului: Ȧ Ȧ Remedierea zonelor poluateȦ Ȧ Ȧ (2007-  
 prezent); Ȧ Ȧ Lucrari practice cu studencii, Ȧ Ȧ cadrul masterului indisciplinar Ȧ Ȧ Ȧ Evaluarea si Controlul Integrat al Poluarii  
 MediuluiȦ Ȧ Ȧ organizat de Universitatea din Bucuresti, CREDIS, Departamentul de Tehnologii, Ȧ Ȧ titlul cursului: Ȧ Ȧ Remedierea  
 zonelor poluateȦ Ȧ Ȧ (2007-2009); Ȧ Ȧ Lucr ri practice anul I Chimia Mediului , Facultatea de Chimie, Ȧ Ȧ cadrul cursului Ȧ Ȧ Ȧ Compu  
 Organici cu Funccuni simpleȦ Ȧ Ȧ Ȧ Coordonare de lucr ri de licenc Ȧ Ȧ master.Recunoa \_terea expertizei. Am participat la peste  
 30 de evenimente Ȧ Ȧ tiincifice, dintre care la patru ca cercet tor invitat Ȧ Ȧ la 2 ca chairman. Am primit premii pentru  
 cercetare din partea Universit cii din Bucure \_ti 2006. Am obcinut o burs Tempus pe o durata de 6 luni in anul 1995, in  
 cadrul masterului interdisciplinar Ȧ Ȧ Ȧ EcotehnieȦ Ȧ Ȧ , cu tema Ȧ Ȧ Ȧ Chimia MediuluiȦ Ȧ Ȧ , la Universitatea Friedrich Schiller, Jena/G  
 o alt burs post doc. Marie Curie pe o perioad de doi ani, Ȧ Ȧ una BMBF pe o perioad de jum tate de an, ambele la aceea \_i  
 universitate Friedrich Schiller, Jena/Germania. Fac parte din organizatiile profesionale: Ȧ Ȧ International Society of Trace  
 Element BiogeochemistryȦ Ȧ Ȧ (ISTEB) Ȧ Ȧ Ȧ Ȧ Biogeointeraction group - BGIȦ Ȧ Ȧ - Universitatea Friedrich Schiller, Jena/Germania.  
 Fac parte din Consoritiul National pentru Biogeochimia Microelementelor. Am evaluat articole pentru revistele cotate ISI  
 Ȧ Ȧ Ȧ Chemie der ErdeȦ Ȧ Ȧ , Ȧ Ȧ Ȧ Environmental RadiochemistryȦ Ȧ Ȧ Ȧ Ȧ Ȧ Ȧ Soil and PlantȦ Ȧ Ȧ . Am evaluat proiecte pentru programele  
 CNCSIS. Ȧ Ȧ Activit ci manageriale Am manageriat/manageriez pentru Universitatea din Bucure \_ti Ȧ Ȧ pentru Universitatea  
 Friedrich Schiller Jena/Germania, urm toarele Ȧ Ȧ proiecte de cercetare: Ȧ Ȧ Ȧ - Evaluarea Retentiei Metalelor Grele in Insula  
 Fundu Mare, Lunca Dunarii, finantat de CNCSIS, proiect AT;- Influence of MlcrofloRA on Heavy Metal CyCLEs and  
 Water Quality (MIRACLE), contract no EVK1-CT-2001-56001;- The COntrol of BIOlogical investigation in the  
 decontamination of heterogeneous, slow radioactive GEOsubstrate (COBIOGEO), BMBF financial resources, Germany,  
 contract nr. 02S8294;- Decision support system for the rEmediation of heavy Metals pOLLuted ecoSystems (DEMOS),  
 FP6-2002-Mobility-11, Marie Curie European Return and Re-Integration Grants (ERG), MERG Ȧ Ȧ Ȧ CT-2005 Ȧ Ȧ Ȧ Ȧ 517913;-  
 Coupling of Transgenic planTs with mycorrhizAl fungi for the remediation of heavy metals polluted areas (TITAN), CEE  
 Modul II, no 3183, Romanian Re-Integration Grants (RRG), proiect de reintegrare;- Leaching of Metals from a  
 Contaminated Soil Inoculated with FungiȦ Ȧ Ȧ , proiect NATO PDD(CP)-(ESP.RIG 982571), proiect de reintegrare;- Modelarea  
 matematica a cabonului organic din sol asupra exportului metalelor prin percolare in zone puternic contaminare cu  
 metale, (MODMETAL), CNCSIS -1678;- Modelarea unor mecanisme cheie implicate in mobilitatea metalelor in  
 ECOsisteme TERestre si de zona umeda, (MECOTER), contract PNIIȦ Ȧ nr. 291, Idei, UEFISCU;- Procedura de  
 FITOremediere si evaluare a RISCcului in zone contaminate cu metale (FITORISC), contract PNII nr. 31-012,  
 Parteneriat;- Procedura de evaluare economica a retentiei poluantilor toxici stabili in sisteme fluvialeȦ Ȧ Ȧ (PECOTOX),  
 contract PNII nr. 31-043, Parteneriat;- Modernizarea si intretinerea INFRAstructurii CD pentru Blodgeochimia  
 Microelementelor (INFRABIM), contract PNII nr. 22, Capacitati, ANCS;- Evaluarea bilantului de METale in  
 AGROsistemele din Romania (METAGRO), contract PNII nr. 52-175, Parteneriat;- Using MicroBes for the REgulation of  
 heavy metaL mobiLity at ecosystem and landscape scAle (UMBRELLA), collaborative: Small or medium-scale, work  
 programme: 3.1.2. ENV. 2008.3.1.2.1 "Recovery of degraded soil resources" , Coordinator: Prof. Dr. Erika Kothe. Ȧ Ȧ Ȧ Ȧ C rci  
 \_i capitole in c rciȦ Ȧ Ȧ Neagoe Aurora, Iordache Virgil, Ileana Farcasanu, 2011, The Role of Organic Matter in the Mobility of  
 Metals in Contaminated Sites, in Kothe E, Varma A (Eds) Biogeointeractions in contaminated soils, SpringerȦ Ȧ Ȧ Farcasanu  
 Ileana, Matache Mihaela, Aurora Neagoe, Virgil Iordache, 2011, Hyperaccumulation: a Key to Heavy Metal  
 Bioremediation, in Kothe E, Varma A (Eds) Biogeointeractions in contaminated soils, SpringerȦ Ȧ Ȧ Jianu Denisa, Iordache  
 Virgil, Barbara Soara, Lucian Petrescu, Aurora Neagoe, 2011, The Role of Mineralogy in Hazard Potential of Mining  
 Areas, in Kothe E, Varma A (Eds) Biogeointeractions in contaminated soils, SpringerIordache Virgil, Lacatusu Radu,  
 Daniel Scradeanu, Marilena Onete, Stelian Ion, Aurora Neagoe, Denisa Jianu, Florian Bodescu, Dorina Purice, Ioana  
 Cobzaru, 2011, Ȧ Ȧ Scale SpecificȦ Ȧ Processes of Metals Mobility in Contaminated Areas, in Kothe E, Varma A (Eds)  
 Biogeointeractions in contaminated soils, SpringerIordache Virgil, E. Kothe, A. Neagoe, F. Gherghel, Ȧ Ȧ 2010, A conceptual  
 framework for up-scaling ecological processes and application to ectomycorrhizal fungi, in Rai M., Varma A.Ȧ Ȧ (ed.)  
 Diversity and Biotechnology of Ectomycorrhiza, SpringerNeagoe A., 2008, Efectul contaminarii cu gudron a zonei  
 Rositz/Thuringia - Germania si a decontaminarii termice asupra continutului de Mangan, Zinc, Cupru si Molibden din  
 vegetatie si asupra transferului acestor microelemente catre populatia umana, Editura cu profil academic si cultural  
 recunoscuta CNCSIS -Ȧ Ȧ Ars Docedi, ISBN: 978-973-558-366-8.Iordache, V., F. Bodescu, A. Neagoe, 2005, The

management of riparian forests in a macrolandscape context, RipFor-The Scientific Report, Hydraulic, Sedimentological and Ecological Problems of Multifunctional Riparian Forest Management (RIPFOR), pp 125-141 Neagoe A., 2004, Bismuth, in Merian E., Anke M., Ihnat M. and Stoepler M., Vol. 2 "Elements and their Compounds in the Environment", 2nd Completely Revised and Enlarged Edition, WILEY-VCH Verlag, pp. 671-708. Media Interviu TopU BPovestea reintegrării mele, p70

Articole in reviste

Neagoe A, D. Merten, V. Lordache, and G. Buechel, (2009). The effect of bioremediation methods involving different degrees of soil disturbance on the export of metals by leaching and by plant uptake, *Chemie der Erde-Geochemistry*, 69 (2009) S2, 57-73, Elsevier Verlag

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Neagoe A., V. Lordache, T. Altorfer, M. Anke (2000), Die Spurenelemente Mangan, Zink, Kupfer und Molybdän in der Nahrungskette des Menschen eines Teerbelasteten Lebensraumes (Rositz, Thüringen), in *Mineralstoffe: Mengen- Spuren- und Ultraspurenelemente in der Prävention*, Verlag Harald Schubert, Leipzig, 367-373, [ISBN 3-8047-1838-8]

Mocanu, H., Neagoe, A., Anke, M. (1999), Cadmiumtransfer in der Nahrungskette des Menschen des Teerbelasteten Lebensraumes Rositz (Thüringen), in *Mengen- Spuren- und Ultraspurenelemente in der Prävention*, Verlag Harald Schubert, Leipzig, 135-146, [ISBN 3-8047-1838-8]

Articole in volume ale unor conferințe

Angelow L., A. Neagoe, I. Petrova, Kashamov B. (2004), Effect of multielement supplementation (Se-Zn-I) to the diet of ewes during the suckling period on the milk performance and trace element content, 22. Arbeitstagung in Jena, Lebensnotwendigkeit und Toxizität der Mengen-, Spuren- und Ultraspurenelemente, pp. 417-423, [ISBN 3-929526-85-9, ISSN 1430-9637]

Angelow L., Wagner H., Petrova I., Kashamov B., Neagoe A. (2004), Der Bleigehalt der Flora und Fauna in der Vorgebirgs- und Gebirgsregionen Bulgariens, 22. Arbeitstagung in Jena, Lebensnotwendigkeit und Toxizität der Mengen-, Spuren- und Ultraspurenelemente, pp. 705-712, [ISBN 3-929526-85-9, ISSN 1430-9637]

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Anke, M., Illing-Günter, H., Harnlizer, S., Jaritz, M., Gleit, M., Muller, M., Anke, S., Trapschuch, A., Neagoe, A., Arnhold, W., Schäfer, U. (1997), Der Chromtransfer in der Nahrungskette. 2. Mitteilung; Der Chromgehalt pflanzlicher Lebensmittel, 17. Arbeitstagung "Mengen und Spurenelemente" in Jena, Friedrich-Schiller Universität, pp.894-902, ISBN 3-929526-41-7

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Erler, M., Scheidt-Illing, R., Anke, M., Gleit, M., Muller, M., Arnhold, W., Mocanu, H., Neagoe, A., Angelow, L., Rother, C., Hartmann, E. (1996), Cadmium in der Nahrungskette des Menschen eines Teerbelasteten Lebensraumes (Rositz, Thüringen), 16. Arbeitstagung "Mengen und Spurenelemente" in Jena, Friedrich-Schiller Universität, pp. 847-856, ISBN 3-929526-37-9

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Neagoe A., E. Preda, V. Lordache, M. Anke (1998), The effect of tar exposure on the copper content of soil, plant and human in Rositz area (Germany), Proceedings 3rd International Symposium on "Metal Elements in Environment, Medicine und Biology", Timisoara, Romania, pp. 301- 308.

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Biological, Environmental, Nutritional and Medical Importance of Macro, Trace and Ultra Trace Elements. Friedrich Schiller Universit t, pp.568-575. [ISBN 3-929526-85-9, ISSN 1430-9637]Neagoe A., R. Mascher, V. Iordache, K. Voigt, B. Knoch, H. Bergmann (2004) The influence of vesicular arbuscular mycorrhiza *Glomus intraradiceae* on mustard (*Sinapis alba* L.) grown on a soil contaminated with heavy metals, 22. Arbeitstagung in Jena, Lebensnotwendigkeit und Toxizit t der Mengen-, Spuren- und Ultrapurenelemente, Friedrich Schiller Universit t, pp.597-606, [ISBN 3-929526-794, ISSN 1430-9637]Neagoe A., Richter D., Anke S., Schmidt P., Machlet B., Anke M. (1996), The effect of tar exposure of a living area on the manganese transfer from soil to plants and humans, Proceeding of the 2nd International Symposium on Metal elements in Environment, Medicine and Biology, Timisoara, Romania, pp. 309-314Neagoe A., V. Iordache (2002), Preliminary assessment of the macrophytes role in the export of metals from Fundu Mare Island, Danube floodplain, Proceedings of the 4th International Symposium on "Metal Elements in Environment, Medicine and Biology", Timisoara, Romania, pp. 245-251, ISBN 973-620-035-3, ISSN 1583-4204Neagoe A., V. Iordache, F. Bodescu, S. Cristofor, and Vadineanu (2001), The gradient of heavy metals in new deposited sediments in the Danube floodplain, Proceeding of the 9rd International Symposium of the Danube Delta, Tulcea, Romania, pp. 134-141Neagoe A., V. Iordache, I. Udrea (2006) Bioremediation methods for metals contaminated sites: key processes, Proceedings of the 7th International Symposium on "Metal elements in Environment, Medicine and Biology", Timisoara, Romania, 217-230, ISBN (10) 973-620-238-0, ISSN 1583-4204Neagoe A., V. Iordache, T. Altorfer, M. Pescaru, A. Vadineanu (2000), Trace elements in vegetation of Danube floodplain: deficiency or excess? , Poceeding of the 4rd International Symposium on "Metal Elements in Environment, Medicine and Biology", Timisoara, Romania pp. 14-28, [ISBN 3-8047-1838-8]Neagoe A., V. Iordache, Thomas Altorfer (2002), Risk sources due to metals in the Danube Floodplain, 21. Arbeitstagung Mengen und Spurenelemente in Jena, Friedrich Schiller Universit t, pp. 77-82Petrova I., Neagoe A., Angelow L. (2004), Transfer of copper along the ecological chain in a semi-mountain pasture area of middle Bulgaria, 22. Arbeitstagung in Jena, Lebensnotwendigkeit und Toxizit t der Mengen-, Spuren- und Ultrapurenelemente, pp. 948-952, [ISBN 3-929526-85-9, ISSN 1430-9637]Postolache, C., V. Iordache, A. Vadineanu, G. Ignat, S. Cristofor, A. Neagoe, C. Florescu, F. Bodescu (1997), Effects of hydrological conditions on the dynamic of nutrients in the lower Danube floodplain, Internat. Assoc. Danube Res., 32: 5-10, ISBN 3-9500723-6Vadineanu A., Iordache, V., Neagoe, A., Cristofor, S., Cociug, C., Postolache, C. (2000), "Research" direction in landscape ecotoxicology" 20. Arbeitstagung "Mengen und Spurenelemente" in Jena, Friedrich-Schiller-Universit t, pp. 220-227.Vadineanu A., M. Constantinescu, S. Cristofor, A. Varduca, C. David, V. Piescu, I. Pecheanu, V. Iordache, C. Postolache, A. Neagoe (2000), "Results of the monitoring program in the Lower Danube River System related with Yugoslavian conflict, In: Proceedings of 5th International Symposium & Exhibition on Environmental Contamination in Central & Eastern Europe, Prague, Czech Republic, CD-rom 448.Visan L., Sandu R., Iordache V., Neagoe A. (2008) Influence of microorganisms community structure on the rate of metals percolation in soil, *Analele stiintifice ale UAIC*, 53: 79-88