

CURRICULUM VITAE

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Specializări:

- Septembrie 1998-Decembrie 1998: Departamentul de Toxicologie, Facultatea de Farmacie, Universitatea din Antwerpen, Belgia pentru un modul de curs axat pe ”Noi metode si tehnici pentru determinarea medicamentelor si contaminantilor din alimente”, din cadrul cursului “Controlul Analitic al Medicamentelor, Alimentelor si Ingrasamintelor”.
- Noiembrie 2001 – Octombrie 2002: Departamentul de Toxicologie, Facultatea de Farmacie, Universitatea din Antwerpen, Belgia (Bursa Postdoctorat BOF acordata de Universitatea din Antwerp) : Specializare in domeniul analizei poluantilor organohalogenati persistenti (POPs).
- 15 Februarie 2007- 14 Ianuarie 2008: Departamentul de Toxicologie, Facultatea de Farmacie, Universitatea din Antwerpen, Belgia (Bursa Postdoctorat acordata de Francqui Foundation) – „Metabolizare si persistenta. Poluanti organici si metaboliti ai lor - relevanta in studii asupra calitatii mediului”.

Domenii de competenta:

- Controlul analitic al poluarii mediului; Poluanti Organohalogenati Persistenti
- Metode spectrometrice de analiza

Cursuri:

- “Chimie Analitica si Analiza Chimica Calitativa” :1998-prezent
- “Chimie Analitica si Analiza Chimica Cantitativa” : 2000/2001
- “Controlul analitic al medicamentelor, alimentelor si ingrasamintelor”: 1996/1997

Lista de lucrari:

Articole ISI

1. L. Weijs, A. C. Dirtu, K. Das, **A. Gheorghe**, P. Reijnders, H. Neels, R. Blust, A. Covaci, Inter-species differences for PCBs and PBDEs in marine top predators from the Southern North Sea: Part 1. Accumulation patterns in harbour seals and harbour porpoises, *Environmental Pollution*, 157, 437-444, 2009.
2. L. Weijs, A. C. Dirtu, K. Das, **A. Gheorghe**, P. Reijnders, Hugo Neels, Ronny Blust, Adrian Covaci, Inter-species differences for PCBs and PBDEs in marine top predators from the Southern North Sea: Part 2. Biomagnification in harbour seals and harbour porpoises, *Environmental Pollution*, 157, 445-451, 2009.
3. L. Roosens, A. C. Dirtu, G. Goemans, C. Belpaire, **A. Gheorghe**, H. Neels, R. Blust, A. Covaci, Brominated flame retardants and polychlorinated biphenyls in fish from the river Scheldt, Belgium *Environment International*, 34, 976-983, 2008.
4. A. C. Dirtu, L. Roosens, T. Geens, **A. Gheorghe**, H. Neels and A. Covaci, Simultaneous determination of bisphenol A, triclosan, and tetrabromobisphenol A in human serum using solid-phase extraction and gas chromatography-electron capture negative-ionization mass spectrometry, *Anal. Bioanal. Chem.*, 391, 1175-1181, 2008.
5. **A. Gheorghe**, A. van Nuijs, B. Pecceu, L. Bervoets, P. G. Jorens, R. Blust, H. Neels and A. Covaci, Analysis of cocaine and its principal metabolites in waste and surface water using solid-phase extraction and liquid chromatography-ion trap tandem mass spectrometry, *Anal. Bioanal. Chem.*, 391, 1309-1319, 2008.
6. A. Covaci, C. Hura, **A. Gheorghe**, H. Neels, A. C. Dirtu, Organochlorine contaminants in hair of adolescents from Iassy, Romania, *Chemosphere*, 72, 16-20, 2008.
7. A. Covaci, **A. Gheorghe**, O. Hulea, P. Schepens. Levels and distribution of organochlorine pesticides, polychlorinated biphenyls and polybrominated diphenyl ethers in sediments and biota from the Danube Delta, Romania. *Environ. Pollut.*, 140, 136-149, 2006.

8. V. Tudor, **A. Gheorghe**, N. Stanica, M. Plavet, M. Brezeanu. Combinatii complexe ale Co(II) cu hidrazina si sulfonamide, *Rev. Chim. (Bucuresti)*, 57, 175-179, 2006.
9. A. Covaci, **A. Gheorghe**, S. Voorspoels, J. Maervoet, E. Steen Redeker, R. Blust, P. Schepens. Polybrominated diphenyl ethers, polychlorinated biphenyls and organochlorine pesticides in sediment cores from the Western Scheldt river (Belgium): analytical aspects and depth profiles. *Environ. Intern.*, 31, 367-375, 2005.
10. V. Tudor, **A. Gheorghe**, N. Stanica, M. Plavet, M. Brezeanu. The synthesis and characterization of some heteroleptic complex combinations of Co(II) and Ni(II) with phenylhydrazine and acetate anions. *Rev. Chim. (Bucuresti)*, 56, 722-725, 2005.
11. A. Covaci, **A. Gheorghe**, P. Schepens Distribution of organochlorine pesticides, polychlorinated biphenyls and α -HCH enantiomers in pork tissues. *Chemosphere*, 56, 757-766, 2004.
12. M. N. Jacobs, A. Covaci, **A. Gheorghe**, P. Schepens. Time trend investigation of PCBs, PBDEs, and organochlorine pesticides in selected n-3 polyunsaturated fatty acid rich dietary fish oil and vegetable oil supplements; nutritional relevance for human essential n-3 fatty acid requirements. *J. Agric. Food Chem.*, 52, 1780-1788, 2004.
13. T. G. Negoita, A. Covaci, **A. Gheorghe**, P. Schepens Distribution of polychlorinated biphenyls (PCBs) and organochlorine pesticides in soils from the East Antarctic coast. *J. Environ. Monit.*, 5, 281-286, 2003.
14. A. Covaci, **A. Gheorghe**, P. Schepens. Levels of persistent organochlorine pollutants (POPs) in soils from south Romania. *Fresenius Environ. Bull.*, 12, 94-102, 2003.
15. V. Tudor, C. Lepadatu, V. Pop, **A. Gheorghe**, N. Stanica, M. Plaveti, M. Brezeanu. Synthesis and characterization of two binuclear complexes of Co(II) and Ni(II) with hydrazine and triethanolamine. *Rev. Roum. Chim.*, 46, 35-40, 2001.
16. V. Tudor, F. Cimpoiesu, V. Pop, **A. Gheorghe**, N. Stanica. Synthesis and spectroscopic studies of Co(II) and Ni(II) mixed ligands complexes with 4,4'-bipyridine and hydrazine. *Rev. Roum. Chim.*, 46, 617-623, 2001.

17. M. Brezeanu, A. Antoniu, O. Carp, C. Lepădatu, M. Andruh, F. Zălaru, C. Achim, **A. Gheorghe**, R. Barjega. Polynuclear coordination compounds, precursors of copper ferrite.1. *Rev. Roum. Chim.*, 40, 213-216, 1995.
18. L. Vlădescu, **A. Gheorghe**. Sulphanilic acid determination by Ce(IV) potentiometric titration. *Rev. Roum. Chim.*, 39, 69-72, 1994.
19. M. Brezeanu, L. Patron, F. Tuna, I. Mindru, N. Stanica, **A. Gheorghe**. Coordination compounds as precursors for cobalt-zinc ferrite. Part 5. *Rev. Roum. Chim.*, 39, 807-813, 1994.
20. M. Brezeanu, L. Patron, E. Cristurean, O. Carp, A. Antoniu, M. Andruh, **A. Gheorghe**, N. Stanica. Coordination compounds as precursors for manganese ferrite and zinc ferrite. Part 4. *Rev. Roum. Chim.*, 38, 1291-1296, 1993.
21. M. Brezeanu, L. Patron, E. Cristurean, D. Marinescu, A. Antoniu, M. Andruh, O. Carp, N. Stanica, **A. Gheorghe**. Coordination compounds as precursors for manganese-zinc ferrite. Part 1. *Rev. Roum. Chim.*, 38, 1173-1180, 1993.
22. M. Brezeanu, L. Patron, I. Mîndru, **A. Gheorghe**, N. Stănică. Coordination of compounds as precursors for manganese-cobalt ferrites. *Rev. Roum. Chim.*, 38, 1059-1065, 1993.
23. L. Vlădescu, **A. Gheorghe**. Using of macroporous ion-exchange resins for recovery of catalase from micelles wastes. *Rev. Chim. (Bucharest)*, 42, 229-231, 1991.
24. L. Vlădescu, **A. Gheorghe**. Potentiometric redox titration of Ce(IV) with sulphanilic acid. *Rev. Roum. Chim.*, 34, 1611-1614, 1989.

Articole non-ISI

1. V. Tudor, F. Cimpoesu, **A. Gheorghe**, N. Stanica. Strategy for the synthesis of some binuclear Co(II) and Ni(II) complexes., *Analele Univ. Bucharest.*, Year XI (new series), vol. II, 69-74, 2002.
2. J. Borrás, J. Casanova, T. Cristea, **A. Gheorghe**, A. Scozzafava, C. Supuran, V. Tudor. Complexes with biologically active ligands. Part 6. Ni(II) coordination compounds of hydrazine and heterocyclic sulfonamides as inhibitors of the zinc enzyme carbonic anhydrase. *Metal Based Drugs*, 3, 143-149, 1996.

3. V. Merca, **A. Gheorghe**, Determinarea simultană a Fe(II) și Fe total cu 1,10-phenantrolină, *Analele Univ. din Oradea*, Fascicola de chimie, 40-43, 1995.

Citable – Peer reviewed Short Papers/ Conference Proceedings

1. L. Weijs, **A. Gheorghe**, A. C. Dirtu, K. Das, P. Reijnders, H. Neels, R. Blust, A. Covaci, Levels and profiles of PCBs and PBDEs in harbour seal and harbour porpoise from the Southern North Sea, *Organohalogen Compounds*, 69 (2007) 825-828.

2. A. Covaci, C. Hura, **A. Gheorghe**, H. Neels, A. C. Dirtu, Organochlorine contaminants in hair of adolescents from Iassy, Romania *Organohalogen Compounds*, 69 (2007), 1961-1964.

3. A. Covaci, S. Meijer, F. Jaward, L. Jantunen, **A. Gheorghe**, H. Neels, K. C. Jones, Investigation of source apportionment for α -HCH in air using enantioselective analysis, *Organohalogen Compounds*, 69 (2007) 1701-1704.

4. A. C. Dirtu, L. Roosens, T. Geens, **A. Gheorghe**, H. Neels, R. Blust, A. Covaci, Determination of bisphenol-A, triclosan and tetrabromobisphenol-A in human serum using SPE and GC/ECNI-MS, *Organohalogen Compounds*, 69 (2007) 2995-2998.

5. A. Covaci, **A. Gheorghe**, P. Schepens. Levels and enantiomeric signatures of α -HCH in an aquatic food chain from the Danube Delta, Romania. *Organohalogen Compounds*, 2003, 62, 305-308, 2003.

6. A. Covaci, **A. Gheorghe**, O. Hulea, P. Schepens. Levels of organohalogenated pollutants (PCBs, OCPs and PBDEs) in biota from the Danube Delta, Romania. *Organohalogen Compounds*, 2002, 59, 9-12.

7. A. Covaci, **A. Gheorghe**, P. Schepens. Distribution of organochlorine pesticides in various pork tissues. *Organohalogen Compounds*, 57, 165-168, 2002.

8. M. Jacobs, A. Covaci, **A. Gheorghe**, P. Schepens Investigation of selected PCBs, PBDEs and organochlorine pesticides in omega-3 fatty acid rich dietary fish and vegetable oil supplements. *Organohalogen Compounds*, 57, 225-228, 2002.

9. A. Covaci, **A. Gheorghe**, T.G. Negoita, P. Schepens. Distribution of organochlorine pollutants in soils from Antarctic East coast. *Organohalogen Compounds*, 57, 277-280, 2002.

10. A. Covaci, **A. Gheorghe**, E. Steen Redekker, P. Schepens. Distribution of organochlorine and organobromine pollutants in two sediment cores from the Scheldt estuary (Belgium). *Organohalogen Compounds*, 2002, 57, 329-332

Brevet

L. Vladescu, **A. Gheorghe**, S. Chiper. New method for sulphonamides determination. *Brevet nr. 92654/10.02*, 1987.

Carti

D. Cruceru, **A. Gheorghe**, Z. Moldovan, I.V. Patroescu, A.I. Stoica. *Chimie Analitica Calitativa – Probleme si lucrari practice*. Ed. Universitatii din Bucuresti, ISBN 973-575-274-3, 1998.