

	Total	Autor Principal
A. Lista celor mai relevante publicații.....	10	10
B. Teza de Doctorat		
C. Cărți / Capitole de cărți.....	6	2
D. Articole științifice publicate in jurnale cotate ISI.....	47	12
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F. Prezentări orale/Postere la conferințe de specialitate internaționale.....	21/42	10/12
G. Prezentări orale/Postere la conferințe de specialitate naționale.....	5/5	5/3
H. Alte contribuții științifice		

A. Lista celor mai relevante publicații (IF – factorul de impact al jurnalului în acord cu Thomson Reuters, 2013)

1. **Dirtu AC**, Buczynska AJ, Godoi AFL, Favoreto R, Bencs L, Potgieter-Vermaak SS, Godoi RHM, Van Grieken R, Van Vaeck L. Methods, fluxes and sources of gas phase alkyl nitrates in the coastal air. *Environmental Monitoring and Assessment* 186 (10), 6445-6457, 2014. (IF – **1.679**)
2. **Dirtu AC**, Geens T, Dirinck E, Malarvannan G, Neels H, Van Gaal L, Jorens PG, Covaci A. Phthalate metabolites in obese individuals undergoing weight loss: Urinary levels and estimation of the phthalates daily intake. *Environment International* 59, 344-353, 2013. (IF – **5.664**)
3. **Dirtu AC**, Niessen SJM, Jorens PG, Covaci A. Organohalogenated contaminants in domestic cats' plasma in relation to spontaneous acromegaly and type 2 diabetes mellitus: A clue for endocrine disruption in humans? *Environment International* 57-58, 60-67, 2013. (IF – **5.664**)
4. **Dirtu AC**, Abdallah MAE, Covaci A. Advances in the sample preparation of brominated flame retardants and other brominated compounds. *TrAC – Trends in Analytical Chemistry* 43, 189-203, 2013. (IF – **6.612**)
5. **Dirtu AC**, Ali N, Van den Eede N, Neels H, Covaci A. Country specific comparison for profile of chlorinated, brominated and phosphate organic contaminants in indoor dust. Case study for Eastern Romania, 2010. *Environment International* 49, 1-8, 2012. (IF – **5.664**)
6. **Dirtu AC**, Covaci A. Estimation of daily intake of organohalogenated contaminants from food consumption and indoor dust ingestion in Romania. *Environmental Science & Technology* 44 (16), 6297-6304, 2010. (IF – **5.481**)
7. **Dirtu AC**, Jaspers VLB, Cernat R, Neels H, Covaci A. Distribution of PCBs and their HO-PCB metabolites in human serum from two European countries. *Environmental Science & Technology* 44 (8), 2876-2883, 2010. (IF – **5.481**)
8. **Dirtu AC**, Roosens L, Geens T, Gheorghe A, Neels H, Covaci A, 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, *Analytical and Bioanalytical Chemistry* 391 (4), 1175-1181, 2008. (IF – **3.578**)
9. **Dirtu AC**, Ravindra K, Roosens L, Van Grieken R, Neels H, Blust R, Covaci A, Fast analysis of decabrominated diphenyl ether (BDE 209) using low-pressure gas chromatography-electron capture negative ionization-mass spectrometry, *Journal of Chromatography A* 1186 (1-2), 295-301, 2008. (IF – **4.258**)
10. **Dirtu AC**, Cernat R, Dragan D, Mocanu R, Van Grieken R, Neels H, Covaci A, Organohalogenated pollutants in human serum from lassy, Romania and their relation with age and gender, *Environment International* 32(6), 797-803, 2006. (IF – **5.664**)

B. Teza de Doctorat

Titlul tezei de Doctorat

Monitorizarea poluanților organohalogenati persistenți prezenți în mediu și fluide umane

Instituția de învățământ superior unde a avut loc susținerea publică a tezei de Doctorat

Universitatea "Al. I. Cuza" din Iași,
Facultatea de Chimie,
Iași, Romania

Conducătorul științific al tezei de Doctorat

Prof. Dr. Raluca Delia Mocanu

Data susținerii publice a tezei de Doctorat

09 Februarie 2009

Data conform OMECI 4698/2009

14 August 2009

C. Cărți / Capitole de carte

1. **Dirtu AC**, Ionas AC, Malarvannan G, Covaci A. Chapter: Transformation Products of Brominated Flame Retardants (BFRs). Book: Transformation Products of Emerging Contaminants in the Environment: Analysis, Processes, Occurrence, Effects and Risks, John Wiley & Sons, Inc – *accepted for publication, in press*.
2. Covaci A, Geens T, Roosens L, Ali N, Van den Eede N, Ionas AC, Malarvannan G, **Dirtu AC**. Chapter: Human exposure and health risks to emerging organic contaminants. Book: The Handbook of Environmental Chemistry, 20 - Emerging organic contaminants and human health. ISBN: 978-3-642-28131-0, Springer-Verlag Berlin Heidelberg, pp 243-306, 2012.
3. **Dirtu AC**. Monitorizarea poluanților organohalogenai persistenți prezenți în mediu și fluide umane. ISBN 978-606-575-112-5. Editura Stef, Iași, România, 334 pagini, 2011.
4. Covaci A, **Dirtu AC**, Voorspoels S, Roosens L, Lepom P. Chapter: Sample preparation and chromatographic methods applied to congener-specific analysis of polybrominated diphenyl ethers. Book: The Handbook of Environmental Chemistry – Brominated Flame Retardants (BFRs), ISBN: 978-3-642-19268-5, Springer-Verlag Berlin, Heidelberg, pp 55-94, 2011.
5. Covaci A, **Dirtu AC**. Chapter: Anthropogenic and naturally-produced contaminants in fish oil: Role in ill-health, Book: Modern Dietary Fat Intake: Promotion of Disease, ISBN: 978-1-60327-570-5, Humana Press, Springer Science + Business Media LLC, New York, pp 321-344, 2010.
6. Covaci A, **Dirtu AC**. Brominated Flame Retardants: Analytical, Toxicological and Environmental Aspects, NATO Science for Peace and Security. Series A: Chemistry and Biology, Applications of Mass Spectrometry in Life Safety, ISBN 978-1-4020-8810-0; ISSN 1874-6489, Springer-Verlag Netherlands, pp. 153-184, 2008.

D. Articole științifice publicate in jurnale cotate ISI (IF – factorul de impact al jurnalului în acord cu Thomson Reuters, 2013)

1. Louis C, Covaci A, Stas M, Crocker DE, Malarvannan G, Dirtu AC, Debier C. Bioaccumulation of hydroxylated polychlorinated biphenyls and pentachlorophenol in the serum of northern elephant seal pups (*Mirounga angustirostris*). *Environmental Research* 136, 441-448, 2015. (IF – 3.951)
2. **Dirtu AC**, Buczynska AJ, Godoi AFL, Favoreto R, Bencs L, Potgieter-Vermaak SS, Godoi RHM, Van Grieken R, Van Vaec L. Methods, fluxes and sources of gas phase alkyl nitrates in the coastal air. *Environmental Monitoring and Assessment* 186 (10), 6445-6457, 2014. (IF – 1.679)
3. Dirinck EL, **Dirtu AC**, Govindan M, Covaci A, Van Gaal LF, Jorens PG. Exposure to Persistent Organic Pollutants: Relationship With Abnormal Glucose Metabolism and Visceral Adiposity. *Diabetes Care* 37 (7), 1951-1958, 2014. (IF – 8.570)
4. Ali N, Mehdi T, Malik RN, Eqani SAMAS, Kamal A, **Dirtu AC**, Neels H, Covaci A. Levels and profile of several classes of organic contaminants in matched indoor dust and serum samples from occupational settings of Pakistan. *Environmental Pollution* 193, 269-276, 2014. (IF – 3.902)
5. Louis C, **Dirtu AC**, Stas M, Guiot Y, Malarvannan G, Das K, Costa DP, Crocker DE, Covaci A, Debier C. Mobilisation of lipophilic pollutants from blubber in northern elephant seal pups (*Mirounga angustirostris*) during the post-weaning fast. *Environmental Research* 132, 438-448, 2014. (IF – 3.951)
6. Ionas AC, **Dirtu AC**, Anthonissen T, Neels H, Covaci A. Downsides of the recycling process: Harmful organic chemicals in children's toys. *Environment International* 65, 54-62, 2014. (IF – 5.664)
7. Pereira-Fernandes A, Dirinck E, **Dirtu AC**, Malarvannan G, Covaci A, Van Gaal L, Vanparys C, Jorens PG, Blust R. Expression of Obesity Markers and Persistent Organic Pollutants Levels in Adipose Tissue of Obese Patients: Reinforcing the Obesogen Hypothesis? *Plos One* 9 (1), e84816, 2014. (IF – 3.534)
8. **Dirtu AC**, Geens T, Dirinck E, Malarvannan G, Neels H, Van Gaal L, Jorens PG, Covaci A. Phthalate metabolites in obese individuals undergoing weight loss: Urinary levels and estimation of the phthalates daily intake. *Environment International* 59, 344-353, 2013. (IF – 5.664)
9. **Dirtu AC**, Dirinck E, Malarvannan G, Neels H, Van Gaal L, Jorens PG, Covaci A. Dynamics of Organohalogenated Contaminants in Human Serum from Obese Individuals during One Year of Weight Loss Treatment. *Environmental Science & Technology* 47(21), 12441-12449, 2013. (IF – 5.481)

10. Coakley JD, Harrad SJ, Goosey E, Ali N, **Dirtu AC**, Van den Eede N, Covaci A, Douwes J, 't Mannetje A. Concentrations of polybrominated diphenyl ethers in matched samples of indoor dust and breast milk in New Zealand. *Environment International* 59, 255-261, 2013. (IF – 5.664)
11. **Dirtu AC**, Niessen SJM, Jorens PG, Covaci A. Organohalogenated contaminants in domestic cats' plasma in relation to spontaneous acromegaly and type 2 diabetes mellitus: A clue for endocrine disruption in humans? *Environment International* 57-58, 60-67, 2013. (IF – 5.664)
12. Malarvannan G, Dirinck E, **Dirtu AC**, Pereira-Fernandes A, Neels H, Jorens PG, Van Gaal L, Blust R, Covaci A. Distribution of persistent organic pollutants in two different fat compartments from obese individuals. *Environment International* 55, 33-42, 2013. (IF – 5.664)
13. Ali N, Ali L, Mehdi T, **Dirtu AC**, Al-Shammari F, Neels H, Covaci A. Levels and profiles of organochlorines and flame retardants in car and house dust from Kuwait and Pakistan: Implication for human exposure via dust ingestion. *Environment International* 55, 62-70, 2013. (IF – 5.664)
14. **Dirtu AC**, Abdallah MAE, Covaci A. Advances in the sample preparation of brominated flame retardants and other brominated compounds. *TrAC – Trends in Analytical Chemistry* 43, 189-203, 2013. (IF – 6.612)
15. Dodson RE, Perovich LJ, Covaci A, Van den Eede N, Ionas AC, **Dirtu AC**, Brody JG, Rudel RA. After the PBDE Phase-Out: A Broad Suite of Flame Retardants in Repeat House Dust Samples from California. *Environmental Science & Technology* 46 (24), 13056-13066, 2012. (IF – 5.481)
16. Kiciński M, Viaene MK, Den Hond E, Schoeters G, Covaci A, **Dirtu AC**, Nelen V, Bruckers L, Croes K, Sioen I, Baeyens W, Van Larebeke N, Nawrot TS. Neurobehavioral function and low-level exposure to brominated flame retardants in adolescents: a cross-sectional study. *Environmental Health* 11 (86), 1-12, 2012. (IF – 2.713)
17. **Dirtu AC**, Van den Eede N, Malarvannan G, Ionas AC, Covaci A. Analytical methods for selected emerging contaminants in human matrices-a review. *Analytical and Bioanalytical Chemistry* 404 (9), 2555-2581, 2012. (IF – 3.578)
18. **Dirtu AC**, Ali N, Van den Eede N, Neels H, Covaci A. Country specific comparison for profile of chlorinated, brominated and phosphate organic contaminants in indoor dust. Case study for Eastern Romania, 2010. *Environment International* 49, 1-8, 2012. (IF – 5.664)
19. Croes K, Colles A, Koppen G, Govarts E, Bruckers L, Van de Mierop E, Nelen V, Covaci A, **Dirtu AC**, Thomsen C, Haug LS, Becher G, Mampaey M, Schoeters G, Van Larebeke N, Baeyens W. Persistent organic pollutants (POPs) in human milk: A biomonitoring study in rural areas of Flanders (Belgium). *Chemosphere* 89 (8), 988-994, 2012. (IF – 3.499)
20. Ali N, **Dirtu AC**, Van den Eede N, Goosey E, Harrad S, Neels H, 't Mannetje A, Coakley J, Douwes J, Covaci A. Occurrence of alternative flame retardants in indoor dust from New Zealand: Indoor sources and human exposure assessment. *Chemosphere* 88 (11), 1276-1282, 2012. (IF – 3.499)
21. Ali N, Van den Eede N, **Dirtu AC**, Neels H, Covaci A. Assessment of human exposure to indoor organic contaminants via dust ingestion in Pakistan. *Indoor Air* 22 (3), 200-211, 2012. (IF – 4.202)
22. Petro EML, Leroy JLMR, Covaci A, Fransen E, De Neubourg D, **Dirtu AC**, De Pauw I, Bols PEJ. Endocrine-disrupting chemicals in human follicular fluid impair in vitro oocyte developmental competence. *Human Reproduction* 27 (4), 1025-1033, 2012. (IF – 4.585)
23. Van den Eede N, **Dirtu AC**, Ali N, Neels H, Covaci A. Multi-residue method for the determination of brominated and organophosphate flame retardants in indoor dust. *Talanta* 89, 292-300, 2012. (IF – 3.511)
24. Schnitzler JG, Celis N, Klaren PHM, Blust R, **Dirtu AC**, Covaci A, Das K. Thyroid dysfunction in sea bass (*Dicentrarchus labrax*). Part 2: Underlying mechanisms and effects of polychlorinated biphenyls on thyroid hormone physiology and metabolism. *Aquatic Toxicology* 105 (3-4), 438-447, 2011. (IF – 3.513)
25. Van den Steen E, Poisbleau M, Demongin L, Covaci A, **Dirtu AC**, Pinxten R, van Noordwijk HJ, Quillfeldt P, Eens M. Organohalogenated contaminants in eggs of rockhopper penguins (*Eudyptes chrysocome*) and imperial shags (*Phalacrocorax atriceps*) from the Falkland Islands. *Science of the Total Environment* 409 (14), 2838-2844, 2011. (IF – 3.163)
26. Van den Eede N, **Dirtu AC**, Neels H, Covaci A. Analytical developments and preliminary assessment of human exposure to organophosphate flame retardants from indoor dust. *Environment International* 37 (2), 454-461, 2011. (IF – 5.664)
27. **Dirtu AC**, Covaci A. Estimation of daily intake of organohalogenated contaminants from food consumption and indoor dust ingestion in Romania. *Environmental Science & Technology* 44 (16), 6297-6304, 2010. (IF – 5.481)

28. Petro EML, Covaci A, Leroy JLMR, **Dirtu AC**, De Coen W, Bols PEJ. Occurrence of endocrine disrupting compounds in tissues and body fluids of Belgian dairy cows and its implications for the use of the cow as a model to study endocrine disruption. *Science of the Total Environment* 408 (22), 5423-5428, 2010. (IF – 3.163)
29. Van Meel K, Horemans B, Krata A, Bencs L, Buczynska A, **Dirtu AC**, Worobiec A, Van Grieken R. Elemental concentrations in aerosols at the Belgian coast, as a function of size, season and air mass trajectories, *Environmental Chemistry Letters* 8 (2), 157-163, 2010. (IF – 1.906)
30. **Dirtu AC**, Jaspers VLB, Cernat R, Neels H, Covaci A. Distribution of PCBs and their HO-PCB metabolites in human serum from two European countries. *Environmental Science & Technology* 44 (8), 2876-2883, 2010. (IF – 5.481)
31. Dorneles PR, Lailson-Brito J, **Dirtu AC**, Weijs L, Azevedo AF, Torres JPM, Malm O, Neels H, Blust R, Das K, Covaci A. Anthropogenic and naturally-produced organobrominated compounds in marine mammals from Brazil. *Environment International* 36 (1), 60-67, 2010. (IF – 5.664)
32. Bencs L, Krata A, Horemans B, Buczyńska AJ, **Dirtu AC**, Godoi AFL, Godoi RHM, Potgieter-Vermaak S, Van Grieken R. Atmospheric nitrogen fluxes at the Belgian coast: 2004-2006, *Atmospheric Environment* 43 (24), 3786-3798, 2009. (IF – 3.062)
33. Covaci A, Roosens L, **Dirtu AC**, Waegeneers N, Van Overmeire I, Neels H, Goeyens L, Brominated flame retardants in Belgian home-produced eggs: Levels and contamination sources. *Science of the Total Environment* 407 (15), 4387-4396, 2009. (IF – 3.163)
34. Weijs L, **Dirtu AC**, Das K, Gheorghe A, Reijnders PJH, Neels H, Blust R, Covaci A, Inter-species differences for polybrominated diphenyl ethers in marine top-predators from the Southern North Sea: Part II. Biomagnification in harbour seals and harbour porpoises. *Environmental Pollution* 157 (2), 445-451, 2009. (IF – 3.902)
35. Weijs L, **Dirtu AC**, Das K, Gheorghe A, Reijnders PJH, Neels H, Blust R, Covaci A, Inter-species differences for polybrominated diphenyl ethers in marine top-predators from the Southern North Sea: Part I. Accumulation patterns in harbour seals and harbour porpoises. *Environmental Pollution* 157 (2), 437-444, 2009. (IF – 3.902)
36. Horemans B, Krata A, Buczynska A, **Dirtu AC**, Van Meel K, Van Grieken R, Bencs L, Major ionic species in size-segregated aerosols and associated gaseous pollutants at a coastal site on the Belgian North Sea, *Journal of Environmental Monitoring* 11, 670-677, 2009. (IF – 2.109)
37. Van den Sten E, Eens M, Covaci A, **Dirtu AC**, Jaspers VLB, Neels H, Pinxten R, An exposure study with polybrominated diphenyl ethers (PBDEs) in female European starlings (*Sturnus vulgaris*): toxicokinetics and reproductive effects, *Environmental Pollution* 157 (2), 430-436, 2009. (IF – 3.902)
38. Roosens L, **Dirtu AC**, Goemans G, Belpaire C, Gheorghe A, Neels H, Blust R, Covaci A, Brominated flame retardants and polychlorinated biphenyls in fish from the river Scheldt, Belgium, *Environment International* 34 (7), 976-983, 2008. (IF – 5.664)
39. Jaspers VLB, **Dirtu AC**, Eens M, Neels H, Covaci A, Predatory bird species show different patterns of hydroxylated polychlorinated biphenyls (HO-PCBs) and polychlorinated biphenyls (PCBs), *Environmental Science & Technology* 42 (9), 3465-3471, 2008. (IF – 5.481)
40. Covaci A, Hura C, Gheorghe A, Neels H, **Dirtu AC**, Organochlorine contaminants in hair of adolescents from Iassy, Romania, *Chemosphere* 72 (1), 16-20, 2008. (IF – 3.499)
41. **Dirtu AC**, Roosens L, Geens T, Gheorghe A, Neels H, Covaci A, 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, *Analytical and Bioanalytical Chemistry* 391 (4), 1175-1181, 2008. (IF – 3.578)
42. Ravindra K, **Dirtu AC**, Covaci A, Low pressure – gas chromatography: Recent trends and developments, *TrAC – Trends in Analytical Chemistry*, 27 (4), 291-303, 2008. (IF – 6.612)
43. Harrad S, Ibarra C, Diamond M, Melymuk L, Robson M, Douwes J, Roosens L, **Dirtu AC**, Covaci A, Polybrominated diphenyl ethers in domestic indoor dust from Canada, New Zealand, United Kingdom, and United States, *Environment International* 34 (2), 232-238, 2008. (IF – 5.664)
44. **Dirtu AC**, Ravindra K, Roosens L, Van Grieken R, Neels H, Blust R, Covaci A, Fast analysis of decabrominated diphenyl ether (BDE 209) using low-pressure gas chromatography-electron capture negative ionization-mass spectrometry, *Journal of Chromatography A* 1186 (1-2), 295-301, 2008. (IF – 4.258)

45. Dragan D, Cucu-Man S, **Dirtu AC**, Mocanu R, Van Vaeck L, Covaci A, Occurrence of organochlorine pesticides and polychlorinated biphenyls in soils and sediments from Eastern Romania, *International Journal of Environmental Analytical Chemistry* 86 (11), 833-842, 2006. (IF – **1.321**)
46. **Dirtu AC**, Cernat R, Dragan D, Mocanu R, Van Grieken R, Neels H, Covaci A, Organohalogenated pollutants in human serum from lassy, Romania and their relation with age and gender, *Environment International* 32(6), 797-803, 2006. (IF – **5.664**)
47. Drochioiu G, Mangalagiu I, Avram E, Popa K, **Dirtu AC**, Druta I, Cyanide Reaction with Ninhydrin: Elucidation of Reaction and Interference Mechanisms, *Analytical Sciences* 20, 1443-1447, 2004. (IF – **1.403**)

E. Articole științifice publicate in jurnale necotate ISI

1. Bucatariu F, Dragan ES, Fundueanu G, Covaci A, **Dirtu AC**. Interaction of some persistent organic pollutants with oligopeptide chains formed onto silica microparticles. *Research Journal of Chemistry and Environment* 17 (1), 68-75, 2013.
2. **Dirtu AC**, Polybrominated diphenyl ethers (PBDEs) as food contaminants, *Acta Chemica Iasi*, 18, 13-29, 2010.
3. **Dirtu AC**, Analytical aspects for determination of polybrominated diphenyl ethers in environmental samples – a review, *Acta Chemica Iasi*, 17, 107-119, 2009.
4. **Dirtu AC**, Covaci A. Estimation of Daily Intake of Selected Brominated Flame Retardants (BFRs) through Food Consumption and Indoor Dust Ingestion in Romania. *Annals of "Al.I. Cuza" University of Iasi, Chemistry Section*, XVI, 17-30, 2008.
5. Onofrei T, **Dirtu AC**, Luca C, Neagu V, Retention of Orange G Dye on a strong base pyridine exchanger, *Annals of "Al.I. Cuza" University of Iasi, Chemistry Section*, IX, 47-52, 2003.

F. Prezentări orale/Postere la conferințe de specialitate internaționale

F.1. Prezentări Orale (PA – autor principal; CA – coautor)

1. **Dirtu AC**, Busila C, Nechita A, Pui A, Covaci A. Persistent organic pollutants and their metabolites in human serum from obese children living in Eastern Romania. 3rd French-Romanian Colloquium on Medicinal Chemistry, Iasi, Romania, 2014 – **PA**.
2. **Dirtu AC**, Busila C, Nechita A, Pui A, Covaci A. Organohalogenated contaminants and their metabolites in human serum from obese children living in Eastern Romania. The 33rd Romanian Conference of Chemistry, Caciulata, Romania, 2014 – **PA**.
3. Dodson RE, Rodgers KM, Covaci A, Van den Eede N, Ionas AC, **Dirtu AC**, Brody JG, Rudel RA. Health risks from flame retardants in California homes. BFR Meeting, San Francisco, USA, 2013 – **CA**.
4. **Dirtu AC**, Dirinck E, Malarvannan G, Neels H, Van Gaal L, Jorens P, Covaci A. Organohalogenated contaminants and their metabolites in human serum from an obese population during one year of treatment. Do endocrine disruptors play a role in the occurrence of obesity? 32nd International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2012, Cairns, Australia, 2012 – **PA**.
5. **Dirtu AC**, Niessen SJM, Jorens PG, Covaci A. PCBs, their hydroxylated metabolites and other organic contaminants in cats' plasma in relation to spontaneous acromegaly and type 2 diabetes mellitus: a clue for endocrine disruption in humans? 32nd International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2012, Cairns, Australia, 2012 – **PA**.
6. Ionas AC, Anthonissen T, **Dirtu AC**, Covaci A. Analysis of harmful organic chemicals in children's toys. 32nd International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2012, Cairns, Australia, 2012 – **CA**.

7. Dirtu AC, Dirinck E, Neels H, Van Gaal L, Jorens PG, Covaci A. Organohalogenated contaminants and their metabolites in human serum from obese patients. SETAC North America, 32nd Annual Meeting, November, Boston, USA, 2011 – **PA**.
8. N. Ali, N. Van den Eede, A.C. Dirtu, H. Neels, A. Covaci. First assessment of human exposure to indoor organic contaminants in Pakistan. SETAC North America, 32nd Annual Meeting, November, Boston, USA, 2011 – **CA**.
9. **Dirtu AC**, Van Den Eede N, Ali N, Neels H, Covaci A. Profile for chlorinated and brominated organic contaminants in indoor dust. Case study for Iasi, Eastern Romania, 31st International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2011, Brussels, Belgium, 2011 – **PA**.
10. Dorneles PR, Lailson-Brito J, Secchi ER, **Dirtu AC**, Weijs L, Dalla Rosa L, Bassoi M, Cunha HA, Azevedo AF, Covaci A. Anthropogenic and naturally-produced organobrominated compounds in Antarctic humpback whales, *Megaptera novaeangliae*, 31st International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2011, Brussels, Belgium, 2011 – **CA**.
11. Schnitzler JG, Klaren PHM, Celis N, Blust R, Covaci A, **Dirtu AC**, Silvestre F, Das K. Strategy for assessing impacts of thyroid disrupting chemicals in Teleosteans, 31st International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2011, Brussels, Belgium, 2011 – **CA**.
12. Covaci A, Van Den Eede N, Nadeem A, **Dirtu AC**, Roosens L, Neels H. Preliminary human exposure assessment to alternative flame retardants from indoor dust in Belgium. 30th International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2010, San Antonio, USA, 2010 – **CA**.
13. Drochioiu G, Popa K, **Dirtu AC**, Mangalagiu I, Murariu M, Monitoring of cyanides in the presence of heavy metals. 11th International Mineral Processing Symposium, 21-23 October 2008, Belek-Antalya, Turkey – **CA**.
14. **Dirtu AC** and Covaci A, Evaluation of Human Exposure to Persistent Organic Pollutants (POPs). Case Study for Population from Iasi, Romania. 3rd International Symposium on Environmental Geography, 17-19 October 2008, Iasi, Romania – **PA**.
15. **Dirtu AC** and Covaci A, Daily Intake of OCPs, PCBs and PBDEs from Food Consumption and indoor Dust Ingestion in Romania, 28th International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2008, Birmingham, United Kingdom, 2008 – **PA**.
16. **Dirtu AC**, Jaspers VLB, Cernat R, Neels H, Covaci A, Phenolic Organohalogenated Contaminants in Human Serum from Belgium and Romania, 28th International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2008, Birmingham, United Kingdom, 2008 – **PA**.
17. Dorneles P, Lailson-Brito J, Covaci A, **Dirtu AC**, Weijs L, Azevedo A, Torres J, Malm O, Neels H, Blust R, Das K, Concentrations of Organobrominated Compounds of Natural and Industrial Origin in Top Predators from Brazilian Waters, 28th International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2008, Birmingham, United Kingdom, 2008 – **CA**.
18. Horemans B, Bencs L, Krata A, Buczynska A, **Dirtu AC**, Van Meel K, Van Grieken R, Major ionic species of size segregated aerosols and associated gaseous pollutants at a coastal site of the Belgian North Sea, Colloquium Spectroscopicum Internationale XXXV, Xiamen, China, 2007 – **CA**.
19. Weijs L, Gheorghe A, **Dirtu AC**, Das K, Reijnders P, Neels H, Blust R, Covaci A, Levels and profiles of PCBs and PBDEs in Harbour Seal and Harbour Porpoise from the Southern North Sea, 27th International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2007, Tokyo, Japan, 2007 – **CA**.
20. Goemans G, Roosens L, **Dirtu AC**, Belpaire C, Neels H, Covaci A, Brominated flame retardants along Scheldt River, Belgium, 27th International Symposium on Halogenated Persistent Organic Pollutants – Dioxin 2007, Tokyo, Japan, 2007 – **CA**.
21. **Dirtu AC**, Mocanu R, Covaci A, Persistent organic pollutants (POPs) in human serum from lassy, Romania. Is there still exposure? – 2nd International Conference on Environmental Research and Assessment (ICERA), Bucharest, Romania, 2006 – **PA**.

F.2. Postere (PA – autor principal; CA – coautor)

1. Dirtu D, Cernat R, Hanganu E, Covaci A, **Dirtu AC**. Organochlorine pesticides and polychlorinated biphenyls in human serum from Iasi, Romania and their relation to non-Hodgkin lymphoma prevalence. 3rd French-Romanian Colloquium on Medicinal Chemistry, Iasi, Romania, 2014. – **PA**
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4. Covaci A, **Dirtu AC**, Gheorghe A. Human exposure to DDT in Romania. 33rd International Symposium on Halogenated Persistent Organic Pollutants - Dioxin 2013, Daegu, South Korea. – **CA**
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G. Prezentări orale/Postere la conferințe de specialitate naționale

G.1. Prezentări Orale (PA – autor principal; CA – coautor)

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2. **Dirtu AC**, Dirtu D, Covaci A, Organochlorine pesticides in home-produced food items vs. supermarket products from Iasi, Romania. A concept of healthy alimentation. – Zilele Universitatii "Al.I. Cuza", Iasi, Romania, 2009 – **PA**.
3. **Dirtu AC**, Dirtu D and Covaci A, Human Exposure to Persistent Organic Pollutants (POPs). Case Study for Population from Iasi, Romania. Zilele Universitatii "Al.I. Cuza" Iasi, 22-23 October 2008, Iasi, Romania – **PA**.
4. **Dirtu AC** and Covaci A, Analysis of Polybrominated Diphenyl Ethers (PBDEs) in Indoor Dust using Low-Pressure Gas Chromatography-Electron Capture Negative Ionization-Mass Spectrometry, XXX-th Romanian Chemistry Conference, Section V – Environmental Protection and Analytical Chemistry, pp. 8, Romania, 2008 – **PA**.
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H. Alte contribuții științifice

H.1. Citări în jurnale științifice de specialitate (căutare utilizând baza de date ISI Web of Knowledge, Ianuarie 2015)

Total citări (exclusiv autocitățile tuturor coautorilor)	850
Indice Hirsch (exclusiv autocitățile tuturor coautorilor).....	19

H.2. Referent științific

Referent pentru 12 jurnale științifice cu factor de impact:

Environment International
Environmental Science & Technology
Environmental Pollution
Chemosphere
Journal of Chromatography A
Environmental Monitoring and Assessment
Journal of Hazardous Materials
Molecular and Cellular Endocrinology
Science of the Total Environment
International Journal of Environmental Analytical Chemistry
Archives of Environmental Contamination and Toxicology
International Journal of Environment and Waste Management

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