

Cărți

1. Cecilia Arsene, Romeo Iulian Olariu, Understanding atmospheric chemistry of hydrocarbons. An introductory approach, ISBN: 978-973-702-657-6, TEHNOPRESS, Iasi, **2009**.
2. Cecilia Arsene, Romeo Iulian Olariu, Metode analitico-statistice in investigarea sistemelor chimice, ISBN: 978-973-730-606-7, PERFORMANTICA, Iasi, **2009**.
3. Cecilia Arsene, Romeo Iulian Olariu, Sulfur in atmosphere, ISBN: 973-8188-87-3, Editura Tehnica, Stiintifica si Didactica CERMI, Iasi, **2003**.
4. Romeo Iulian Olariu, Cecilia Arsene, Degradarea atmosferica a hidrocarburilor aromatice, ISBN 973-8490-25-1, Ed. PIM, Iasi, **2002**.

Capitole de carte

5. Vione, D., Minero, C., Maurino, V., Olariu, R.I., Arsene, C., Mostofa, K.M.G., Photoinduced Transformation Processes in Surface Waters, pp. 309-332, Chapter 9, in Photochemistry: UV/VIS Spectroscopy, Photochemical Reactions and Photosynthesis, Maes, K.J., Willems, J.M., Eds., Series Chemical Engineering Methods and Technology, ISBN: 978-1-61209-506-6, Imprint: Nova Press, **2011** (book chapter).

Articole în reviste cotate ISI

Internaționale

1. Olariu, R.I., Barnes, I., Bejan, I., Arsene, C., Vione, D., Klotz, B., Becker, K.H., FTIR product study of the reactions of NO₃ radicals with ortho-, meta-, and para-cresol, Environmental Science and Technology, 47, 7729-7738, **2013**.
2. Arsene, C., Vione, D., Grinberg, N., Olariu, R.I., GCxGC-MS hyphenated techniques for the analysis of volatile organic compounds in air, Journal of Liquid Chromatography & Related Technologies, 34, 1077-1111, **2011**.
3. Cernat, R.I., Mihaescu, T., Vornicu, M. Vione, D., Olariu, R.I., Arsene, C.*, Serum trace metal and ceruloplasmin variability in individuals treated for pulmonary tuberculosis, International Journal of Tuberculosis and Lung Diseases, 15, 1239-1245, **2011**.
4. Arsene, C.*, Olariu, R.I., Zampas, P., Kanakidou, M., Mihalopoulos, N., Ion composition of coarse and fine particles in Iasi, north-eastern Romania. Implications for aerosols chemistry in the area, Atmospheric Environment, 45, 906-916, **2011**.
5. Gherasim, C.V., Bourceanu, G., Olariu, R.I., Arsene, C., A novel polymer inclusion membrane applied in chromium (VI) separation from aqueous solutions, Journal of Hazardous Materials, 197, 244-253, **2011**.
6. Gherasim, C.V.I., Bourceanu, G., Olariu, R.I., Arsene, C., Removal of lead(II) from aqueous solutions by a polyvinyl-chloride inclusion membrane without added plasticizer, Journal of Membrane Science, 377(1-2), 167-174, **2011**.
7. Olariu, R.I., Vione, D., Grinberg, N., Arsene, C.*, Sample preparation for trace analysis by chromatographic methods, Journal of Liquid Chromatography & Related Technologies, 33, 1174-1207, **2010**.
8. Arsene, C.*, Bougiatioti, A., Mihalopoulos, N., Sources and variability of non-methane hydrocarbons in the Eastern Mediterranean, Global NEST Journal, 11, 333-340, **2009**.
9. Vione, D., Khanra, S., Cucu Man, S., Maddigapu, P.R., Das, R., Arsene, C., Olariu, R.I., Maurino, V., Minero, C., Inhibition vs. enhancement of the nitrate-induced phototransformation of organic substrates by the OH scavengers bicarbonate and carbonate, Water Research, 43, 4718 – 4728, **2009**.
10. Vione, D., Maurino, V., Minero, C., Duncianu, M., Olariu, R.I., Arsene, C., Sarakha, M., Mailhot, G., Assessing the transformation kinetics of 2- and 4-nitrophenol in the atmospheric aqueous phase. Implications for the distribution of both nitroisomers in the atmosphere, Atmospheric Environment, 43, 2321-2327, **2009**.
11. Vione, D., Lauri, V., Minero, C., Maurino, V., Malandrino, M., Carlotti, M.E., Olariu, R.I., Arsene, C., Photostability and photolability of dissolved organic matter upon irradiation of natural water samples under simulated sunlight, Aquatic Sciences, 71, 34-45, **2009**.
12. Vione, D., Maurino, V., Cucu-Man, S., Khanra, S., Arsene, C., Olariu, R., Minero, C., Formation of organobrominated compounds in the presence of bromide under simulated atmospheric aerosol conditions, Chemistry Sustainable Chemistry, 1, 197-204, **2008**.
13. Drochioiu, G., Arsene, C., Murariu, M., Oniscu, C., Analysis of cyanogens with resorcinol and picrate, Food and Chemical Toxicology, 46, 3540-3545, **2008**.
14. Arsene, C.*, Olariu, R.I., Mihalopoulos, N., Chemical composition of rainwater in the north-eastern Romania, Iasi region (2003-2006), Atmospheric Environment, 41, 9452-9467, **2007**.

15. [Arsene, C.*](#), Bougiatioti, A., Kanakidou, M., Bonsang, B., Mihalopoulos, N., Tropospheric OH and Cl levels deduced from non-methane hydrocarbon measurements in a marine site, *Atmospheric Chemistry and Physics*, 7, 4661–4673, **2007**.
16. [Arsene, C.*](#), Bougiatioti, A., Mihalopoulos, N., Non-methane hydrocarbons variability in the Eastern Mediterranean, pp. 197-206, in *Regional Climate Variability and its Impacts in the Mediterranean Area*, Mellouki, A., Ravishankara, A.R., eds, NATO Science Series, IV. Earth and Environmental Sciences, 79, 197-206, **2007**.
17. Vione, D., Maurino, V., Minero, C., Pelizzetti, E., Harrison, M.A.J., Olariu, R.I., [Arsene, C.](#), Photochemical reactions in the tropospheric aqueous phase and on particulate matter, *Chemical Society Reviews*, 35, 441-453, **2006**.
18. Vione, D., Falletti, G., Maurino, V., Minero, C., Pelizzetti, E., Malandrino, M., Ajassa, R., Olariu, R.I., [Arsene, C.](#), Sources and sinks of hydroxyl radical upon irradiation of natural water samples, *Environmental Science and Technology*, 40, 3775-3781, **2006**.
19. [Arsene, C.*](#), Mihalopoulos, N., Olariu, R.I., Atmospheric wet deposition monitoring in Iasi, Romania, in *Environmental Simulation Chambers - Application to Atmospheric Chemical Processes*, Barnes, I., Rudzinski, K. J., eds., NATO Science Series, IV. Earth and Environmental Sciences, 62, 369-377, **2006**.
20. Olariu, R.I., Duncianu, M., [Arsene, C.](#), Wirtz, K., Determination of photolysis frequencies for small carbonyl compounds using the EUPHORE chamber facilities, in *Environmental Simulation Chambers - Application to Atmospheric Chemical Processes*, Barnes, I., Rudzinski, K. J., eds., NATO Science Series, IV. Earth and Environmental Sciences, 62, 121-128, **2006**.
21. [Arsene, C.](#), Barnes, I., Becker, K.H., Benter, Th., Gas phase reaction of Cl with dimethyl sulphide. Temperature and oxygen partial pressure dependence of the rate constant, *International Journal of Chemical Kinetics*, 36, 66-73, **2005**.
22. Harrison, M.A.J., Barra, S., Borghesi, D., Vione, D., [Arsene, C.](#), Olariu, R.I., Nitrated phenols in the atmosphere. A review, *Atmospheric Environment*, 39, 231-248, **2005**.
23. [Arsene, C.](#), Barnes, I., Becker, K.H., Schneider, W., Wallington, T., Mihalopoulos, N., Patroescu-Klotz, I., Formation of methane sulphinic acid in the gas phase OH-radical initiated oxidation of dimethyl sulfoxide, *Environmental Science and Technology*, 36, 5155-5163, **2002**.
24. [Arsene, C.](#), Barnes, I., Becker, K.H., Mocanu, R., FT-IR product study in the photo-oxidation of dimethyl sulphide in the presence of NO_x. Temperature dependence, *Atmospheric Environment*, 35, 3769-3780, **2001**.
25. [Arsene, C.](#), Barnes, I., Becker, K.H., FT-IR product study of the photo-oxidation of dimethyl sulphide. Temperature and O₂ partial pressure dependence, *Physical Chemistry Chemical Physics*, 1, 5463-5470, **1999**.

Naționale

26. Pindaru, D.M., Tanase, C., Olariu, R.I., [Arsene, C.*](#), Chemical composition and ions concentrations in *Xanthoria Parietina* and *Phaeosphyrcia orbicularis* lichenised fungi species from Iasi, north-eastern Romania, *Revista de Chimie*, Bucharest, 64, 807-814, **2013**.
27. Pindaru, D.M., Tanase, C., Olariu, R.I., [Arsene, C.*](#), Extra and intercellular concentrations of water soluble cations from *Xanthoria Parietina* and *Phaeosphyrcia orbicularis* lichenised fungi species, *Revista de Chimie*, Bucharest, 64, 715-719, **2013**.
28. Stefanescu, I.A., Gavrilă, L., Mocanu, R.D., Olariu, R.I., [Arsene, C.*](#), Bioremediation perspective of *Bacillus Megaterium* towards heavy metals in environments enriched with phosphogypsum, *Revista de Chimie*, 62, 245-249, **2011**.
29. Olariu, R.I., [Arsene, C.](#), Humelnicu, D., Duncianu, M., Mantu, D., Investigation on environmental radionuclide retention on hetero-polioxo-metallic sorbents for radionuclide analysis by ionic chromatography, *International Journal of Conservation Science*, 1, 248, **2010**.
30. Cernat, R.I., Mocanu, R.D., Popa, E., Sandu, I., Olariu, R.I., [Arsene, C.*](#), Investigation of chemical parameters in biological systems, *Revista de Chimie*, 61, 1130-1135, **2010**.
31. Humelnicu, D., [Arsene, C.](#), Burghel, B., Bertescu, M., Humelnicu, I., Sandu, I., Mantu, D., Olariu, R.I., Interaction of actinide cations with heteropolytungstate ions [SiW₁₁O₃₉]⁸⁻ and [SiW₁₂O₄₀]⁴⁻, *Revista de Chimie*, 61, 841-844, **2010**.
32. Humelnicu, D., Olariu, R.I., Sandu, I., Humelnicu, I., Sandu, A.V., [Arsene, C.](#), Studies on chemical interferences on uranium (VI) and thorium (IV) reaction with (iso)polyoxometalates, *Revista de Chimie*, 60, 1264-1269, **2009**.
33. Olariu, R.I., Humelnicu, D., Sandu, I., Humelnicu, I., [Arsene, C.*](#), Physico-chemical characterization of a new silica-polyoxometalate thermally modified unit, *Revista de Chimie*, 60, 1216-1219, **2009**.

34. Vione, D., Rinaldi, E., Minero, C., Maurino, V., Olariu, R.I., [Arsene, C.*](#), Studies regarding groundwater quality at rural sites. 2. Photochemical generation of OH and NO₂ radicals upon UV-A irradiation of nitrate-rich groundwater, *Revista de Chimie*, 60, 551-554, **2009**.
35. Vione, D., Ravizzoli, B., Rinaldi, E., Pettinato, F., [Arsene, C.](#), Olariu, R.-I., Studies regarding groundwater quality at rural sites: 1. Estimation of the anthropic factor impact by complementary chemical analyses, *Revista de Chimie*, 60, 237-240, **2009**
36. Vione, D., Casanova, I., Minero, C., Duncianu, M., Olariu, R. I., [Arsene, C.*](#), Assessing the potentiality of Romanian surface waters to produce hydroxyl and nitrite radicals, *Revista de Chimie*, 60, 123-126, **2009**.
37. Olariu, R.I., Humelnicu, D., [Arsene, C.](#), Sandu, I., Carja, G., Synthesis and chemical characterisation of new derivative complexes from UO₂²⁺ and Th⁴⁺ ions with (iso)polyoxomolybdate and (iso)polyoxotungstate clusters, *Revista de Chimie*, 59, 1052–1056, **2008**.
38. Humelnicu, D., Olariu, R.I., Sandu, I., Apostolescu, N., Sandu, A.V., [Arsene, C.*](#), New heteropolyoxotungstates and heteropolyoxomolybdates containing radioactive ions (uranyl and thorium) in their structure, *Revista de Chimie*, 59, 920-925, **2008**.
39. [Arsene, C.*](#), Barnes, I., Olariu, R.I., Becker, K.H., Dimethyl sulphide photo-oxidation at various NO₂ concentrations. 2. Investigation on particle formation, *Revue Roumanie de Chimie*, 50, 485-490, **2005**.
40. [Arsene, C.*](#), Barnes, I., Olariu, R.I., Becker, K.H., Dimethyl sulphide photo-oxidation at various NO₂ concentrations. 1. Product study and mechanistic investigations, *Revue Roumanie de Chimie*, 50, 359-369, **2005**.
41. Onofrei, T., [Arsene, C.](#), Hurduc, N., A non-isothermal kinetic study upon the Pb(II) sorption on chemically-modified celluloses, *Cellulose Chemistry and Technology*, 36, 507-514, **2002**.
42. Onofrei, T., Hurduc, N., [Arsene, C.](#), A non-isothermal kinetic study on the sorption of elements from group IIA on 4-(benzylcellulose)-5-azo-8-hydroxiquinoline, *Cellulose Chemistry and Technology*, 35, 235-241, **2001**.
43. Onofrei, T., [Arsene, C.](#), Mita, C., Agache, C., Sorption of elements from group IIA on 4-(benzylcellulose)-5-azo-8-hydroxiquinoline, *Cellulose Chemistry and Technology*, 35, 15-23, **2001**.
44. Onofrei, T., Hurduc, N., [Arsene, C.](#), Ionescu, D., Sorption of Cu(II), Co(II) and Ni(II) on 1-(4'-azobenzylcellulose)-2-naphtol. Thermogravimetric characterisation, *Cellulose Chemistry and Technology*, 34, 261-268, **2000**.

Notă: * - autor corespondent

Alte lucrări și contribuții științifice

Publicații apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. Arsene, C., Olariu, R.I., Violaki, K., Mihalopoulos, N., Dissolved organic nitrogen deposition on land in the northeastern part of Romania, Workshop on agricultural air quality. State of the science, Aneja, V.P., Schlesinger, W.H., Knighton, R., Jennings, G., Niyogi, D., Gillian, W., Duke, C.S., eds., Potomac, Maryland USA, pp. 464-467, **2006**.
2. Arsene, C., Barnes, I., Albu, M., Product study of the Cl Atom initiated photo-oxidation of dimethyl sulphide, 7th Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC), Heraklion, Crete, Greece, pp.145-146, **2002**.
3. Albu, M., Arsene, C., Barnes, I., Investigations of the OH-initiated oxidation of dimethyl sulphide at sub-zero temperatures, 7th Scientific Conference of the International Global Atmospheric Chemistry Project (IGAC), Heraklion, Crete, Greece, pp. 144-145, **2002**.
4. Arsene, C., Barnes, I., Becker, K.H., Studies on the Photo-oxidation of dimethyl sulphide and dimethyl sulphoxide under atmospheric conditions, in Proceedings of the A Changing Atmosphere, 8th European Symposium on the Physico-Chemical Behaviour of Atmospheric Pollutants, Hjorth, J., Jensen, N., eds., Torino, Italy, **2001**.
5. Arsene, C., Barnes, I., Becker, K.H., Mocanu, R., Product studies on the photo-oxidation of dimethyl sulphoxide (DMSO:CH₃S(O)CH₃), in EC Cluster, Chemical Processes and Mechanisms and EUROTRAC-2, Chemical Mechanism Development, Rossi, M.J., Rossi, E.M., eds., Switzerland, pp. 17-20, **2000**.
6. Arsene, C., Barnes, I., Becker, K.H., New product studies on the photo-oxidation of dimethyl sulphide, in EC Cluster, Chemical Processes and Mechanisms and EUROTRAC-2, Chemical Mechanism Development, Vogt, R., Axelsdottir, G., eds., ISBN 3-00-005414-6, Germany, pp. 117-121, **1999**.

Articole științifice publicate în extenso în reviste internaționale și naționale indexate BDI

1. Pindaru, D.M., Tanase, C., Arsene, C., Olariu, R.I., Micromorphological and chemical aspects of some lichenized fungi species, Journal of Plant Development, 19, 73-82, **2012**.
2. Olariu, R.I., Arsene, C., Humelnicu, D., Vasilache, V., Solid-phase extraction and spectrophotometric determination of ultra trace thorium (IV) in water samples, International Journal of Criminal Investigation, 1, 25-30, **2011**.
3. Humelnicu, D., Olariu, R.I., Arsene, C., Bertescu, M., Burghele, B.D., A comparative study on the removal of uranyl ions from artificially enriched radioactive waters using clays from Romania, Analele Stiintifice ale Universitatii Al.I. Cuza Iasi, Geologie, LVI, 1, 85-93, **2010**.
4. Cernat, R.I., Butnaru, L., Mihaescu, T., Olariu, R.I., Arsene, C., Concentrațiile ceruloplasminei și cuprului în serul pacienților cu tuberculoza pulmonară activă, Ceruloplasmin and copper concentrations in patients with active pulmonary tuberculosis, Revista Romana de Medicina de Laborator, Romanian Review of Laboratory Medicine, ISSN 1841-6624, 18, (2/4), 13-14, **2010**.
5. Humelnicu, D., Olariu, R.I., Arsene, C., Humelnicu, I., New isopolyoxomolybdates derived from heptamolybdate with UO₂²⁺ and Th⁴⁺ ions, Ovidius University Annals of Chemistry, 20, 227-231, **2009**.
6. Arsene, C., Barnes, I., Albu, M., Olariu, R.I., Becker, K.H., Wirtz, K., Mechanistic studies on the atmospheric oxidation of organic sulphur compounds, in The European Photoreactor EUPHORE, 4TH REPORT 2001, Barnes, I., Wirtz, K., eds., Compiled and Produced by Institute of Physical Chemistry, Bergische Universitat Wuppertal, Germany and Fundacion Centro de Estudios del Mediterraneo, ISBN 84-921259, Valencia, Spain, pp. 152-165, **2004**.
7. Bossoutrot, V., LeBras, G., Arsene, C., Albu, M., Barnes, I., OH-initiated oxidation of dimethyl sulphoxide, in The European Photoreactor EUPHORE 4th REPORT 2001, Barnes, I., Wirtz, K., eds., Compiled and Produced by Institute of Physical Chemistry, Bergische Universitat Wuppertal, Germany and Fundacion Centro de Estudios del Mediterraneo, ISBN 84-921259, Valencia, Spain, pp. 171-174, **2004**.
8. Arsene, C., Barnes, I., Olariu, I., Becker, K.H., Wirtz, K., Maldonado, C., OH-radical initiated oxidation of dimethyl sulphide and its impact on particle formation, pp. 82-98, in The European Photoreactor EUPHORE, 3RD REPORT 2000, Barnes, I., Brockmann, K., eds., Compiled and Produced by Institute of Physical Chemistry, Bergische Universitat Wuppertal, Germany, **2001**.
9. Olariu, R.I., Barnes, I., Arsene, C., Becker, K.H., Wirtz, K., Maldonado, C., Ponds, M., Studies on the atmospheric oxidation of phenol: I. Gas-phase product analysis, pp. 16-26, in The European Photoreactor EUPHORE, 3RD REPORT 2000, Barnes, I., Brockmann, K., eds., Compiled and Produced by Institute of Physical Chemistry, Bergische Universitat Wuppertal, Germany, **2001**.
10. Olariu, R.I., Barnes, I., Arsene, C., Becker, K.H., Wirtz, K., Studies on the atmospheric oxidation of phenol: II. Secondary organic aerosol formation, pp. 27-38, in The European Photoreactor EUPHORE,

3RD REPORT 2000, Barnes, I., Brockmann, K., eds., Compiled and Produced by Institute of Physical Chemistry, Bergische Universität Wuppertal, Germany, **2001**.

11. Arsene, C., Barnes, I., Becker, K.H., Studies on the atmospheric oxidation of dimethyl sulphide and dimethyl sulfoxide, pp. 225-236, in The European Photoreactor EUPHORE, 2ND REPORT 1998 - 1999, Barnes, I., Brockmann, K., eds., Compiled and Produced by Institute of Physical Chemistry, Bergische Universität Wuppertal, Germany, **2000**.
12. Barnes, I., Beyer, H., Arsene, C., Patroescu, I., Individual contributions, University of Wuppertal, pp. 28-42, in Dimethyl sulphide (DMS). Oxidation mechanism in relation to aerosols and climate, DOMAC, EUR 19569 EN, European Communities, **2000**.
13. Onofrei, T., Arsene, C., Mita, C., Sorption and separation of Cu(II), Co(II) and Ni(II) on 1(4'-azobenzylcellulose)-2-naphtol, Southern Brazilian Journal of Chemistry, ISSN 0104-5431, 5, 79-85, **1997**.

Lucrări susținute la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru), străinătate

1. Pindaru D., Tanase, C., Olariu, R.I., Arsene, C., Atmospheric deposition of organic and inorganic nitrogen in the north-eastern Romania, 2010 International Aerosol Conference, P2K19, pp. 80, Helsinki, Finland, **2010**.
2. Arsene, C., Olariu, R.I., Ponzo, M., Vione, D., Fast reversed-phase ion-pair liquid chromatography in the simultaneous analysis of nitrite and nitrate in rainwater samples collected in the north-eastern Romania over 2003-2008, pp. 28, 9th Csaba Horváth Medal Award Symposium, Hartford, Connecticut, USA, **2009**.
3. Arsene, C., Olariu, R.I., Kanakidou, M., Mihalopoulos, N., Atmospheric aerosol characterisation at Iasi, northeastern Romania. First results, T06A206P, European Aerosol Conference (EAC 2008), Thessaloniki, Greece, **2008**.
4. Arsene, C., Bougiatioti, A., Mihalopoulos, N., Indirect evidence of chlorine atom concentration in the lower troposphere of the Eastern Mediterranean, European Geosciences Union, SRef-ID: 1607-7962/gra/EGU2007-A-00538, Geophysical Research Abstracts, Vol. 9, 00538, **2007**.
5. Arsene, C., Liakakou, E., Bougiatioti, A., Mihalopoulos, N., Sources of non-methane hydrocarbons (NMHCs) in the eastern Mediterranean, pp. 534, Atmospheric Chemistry at the Interfaces, Cape Town, South Africa, **2006**.
6. Arsene, C., Olariu, R.I., Violaki, K., Mihalopoulos, N., Dissolved organic nitrogen deposition on land in the northeastern part of Romania, pp. 499, Atmospheric Chemistry at the Interfaces, Cape Town, South Africa, **2006**.
7. Arsene, C., Olariu, R.I., Barnes, I., Wirtz, K., A study of new particle formation in the OH-initiated oxidation of dimethyl sulphide, European Geosciences Union, SRef-ID: 1607-7962/gra /EGU04-A-06878, Geophysical Research Abstracts, Vol. 6, 06878, **2004**.
8. Barnes, I., Arsene, C., Yields of aerosol precursors in the oxidation of DMS as a function of atmospheric conditions (temperature and NOx), Poster zum Status Seminare AFS, Köln, Germany, **2001**. Contribution to Projekt No.: 07 AF 225. 1998-2001.
9. Barnes, I., Bayer, H., Arsene, C., Neue produktstudien der atmosphärischen dimethylsulfide-bzw. dimethylsulfoxid oxidation, in Physikalische Chemie der Atmosphäre, Crutzen, P.J., Zellner, R., ISSN 0936-9376, Dortmund, Germany, pp. B53, **1999**.

Lucrări susținute la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru), țară

1. Marcu, M., Olariu, R.I., Arsene, C., Speciation and temporal variability of iron in wet and dry deposition in Iasi, north-eastern Romania, The XXXI-st Romanian Chemistry Conference, ISBN 978-973-750-194-3, pp. 237, **2010**.
2. Pindaru, D., Tanase, C., Barsan, C., Olariu, R.I., Arsene, C., Atmospheric organic nitrogen deposition fluxes from the fine and coarse particles in Iasi, north-eastern Romania, The XXXI-st Romanian Chemistry Conference, ISBN 978-973-750-194-3, pp. 238, **2010**.
3. Arsene, C., Non-methane hydrocarbon measurements. Implications for the atmospheric photochemistry, pp. 361, Book of abstracts, A XXX- a Conferinta Nationala de Chimie, Calimanesti-Valcea, Romania, ISBN 973750124-1, **2008**.
4. Arsene, C., Olariu, R.I., Theodosi, Ch., Mihalopoulos, N., Trace metals in precipitation in an urban area of Romania, pp. 360, Book of abstracts, A XXX- a Conferinta Nationala de Chimie, Calimanesti-Valcea, Romania, ISBN 973750124-1, **2008**.
5. Arsene, C., Bougiatioti, E., Mihalopoulos, N., Development of a gas chromatographic method (GC) for non-methane hydrocarbons (NMHCs) measurements in the gas phase, pp. 377, A XXIX- a Conferinta

Nationala de Chimie, Calimanesti-Valcea, Romania, ISBN-10 973-750-049-0; ISBN-13 978-973-750-049-6, **2006**.

6. Arsene C., Barnes, I., Albu, M., Olariu, R.I., Bejan, I., Wirtz, K., Gas phase reactions of organic sulphur compounds with Cl atoms and NO₃ radicals, pp. 376, A XXIX- a Conferinta Nationala de Chimie, Calimanesti-Valcea, Romania, ISBN-10 973-750-049-0; ISBN-13 978-973-750-049-6, **2006**.
7. Arsene, C., Barnes, I., Olariu, R.I., Yields of sulphur containing productys in the photo-oxidation of dimethyl sulphide at various NO₂ concentrations, pp. 387, Rezumate A XXVIII- a Conferinta Nationala de Chimie, Calimanesti-Valcea, Romania, ISBN 973-8488-74-5, **2004**.

Participări la conferințe – ca invitat cu prezentari orale/conferințe - selectiv

- 1) Arsene, C., Chemical characterization of atmospheric aerosols from local to long range transboundary pollution. ICAARUS project at the final phase and beyond, Science. Passion, Mission, Responsibilities, Marie Curie Researchers Symposium, Warsaw, Poland, 25-27 September **2011**.
- 2) Arsene, C., Atmospheric aerosols in the north-eastern Romania, The Ecole Nationale Supérieure des Techniques Industrielles et des Mines de Douai, 02 September **2011**.
- 3) Arsene, C., Olariu, R.I., Duncianu, M., Chemical composition of tropospheric aerosols in Iasi, north-eastern Romania, A XXXI- a Conferinta Nationala de Chimie, Valcea, Romania, 05-07 Octombrie **2010**.
- 4) Arsene, C., Advanced Research Workshop, Marrakesch, Morocco, 2006. Regional Climate Variability and its Impacts in the Mediterranean Area, Advanced Research Workshop, Marrakech, Morocco, 23 – 27 November **2006**.
- 5) Arsene, C., Olariu, R.I., Mihalopoulos, N., 2nd International Conference on Environmental Research and Assessment, Organic acidity in a wet precipitation study in the northeastern Romania, Romanian Academy, Bucharest, 05 - 08 October, **2006**.

Conf. Dr. Cecilia ARSENE