

Books

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 atmosfera, 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**.

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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).

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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**.
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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**.
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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**.
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13. Drochioiu, G., Arsene, C., Murariu, M., Oniscu, C., Analysis of cyanogens with resorcinol and picrate, Food and Chemical Toxicology, 46, 3540-3545, **2008**.
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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**.
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Note: * - corresponding author

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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**.

Invited oral presentation/conferences

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- 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**.
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- 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**.
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