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a) Lista celor maximum 10 lucrări relevante

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2.	Olariu, R.I., Barnes, I., Bejan, I., <a href="#">Arsene, C.</a> , Vione, D., Klotz, B., Becker, K.H., FTIR product study of the reactions of NO <sub>3</sub> radicals with ortho-, meta-, and para-cresol, Environmental Science and Technology, 47, 7729-7738, <b>2013</b> .	<b>5.257</b>
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6.	<a href="#">Arsene, C.*</a> , Olariu, R.I., Mihalopoulos, N., Chemical composition of rainwater in the north-eastern Romania, Iasi region (2003-2006), Atmospheric Environment, 41, 9452-9467, <b>2007</b> .	<b>3.110</b>
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8.	Vione, D., Maurino, V., Minero, C., Pelizzetti, E., Harrison, M.A.J., Olariu, R.I., <a href="#">Arsene, C.</a> , Photochemical reactions in the tropospheric aqueous phase and on particulate matter, Chemical Society Reviews, 35, 441-453, <b>2006</b> .	<b>24.892</b>
9.	Vione, D., Falletti, G., Maurino, V., Minero, C., Pelizzetti, E., Malandrino, M., Ajassa, R., Olariu, R.I., <a href="#">Arsene, C.</a> , Sources and sinks of hydroxyl radical upon irradiation of natural water samples, Environmental Science and Technology, 40, 3775-3781, <b>2006</b> .	<b>5.257</b>
10.	<a href="#">Arsene, C.</a> , 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 sulphoxide, Environmental Science and Technology, 36, 5155-5163, <b>2002</b> .	<b>5.257</b>

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**b) Teza sau tezele de doctorat**

**Atmospheric Degradation Mechanism of Organic Sulphur Compounds**

Dissertation submitted to the Faculty of Chemistry, The Bergische Universität – Gesamthochschule Wuppertal for the Degree of Doctor of Natural Science (Dr. rer. nat.) by Cecilia Arsene in October **2001**.

Defended at **December 14<sup>th</sup> 2001**.

Teza publicată

Arsene, C., Benter, Th., Atmospheric Degradation Mechanism of Organic Sulphur Compounds, Bergische Universität – Gesamthochschule Wuppertal, Germany, Bericht Nr. 57, ISSN 1436-2198, **2002**.

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2.	<a href="#">Cecilia Arsene</a> , Romeo Iulian Olariu, Metode analitico-statistice in investigarea sistemelor chimice, ISBN: 978-973-730-606-7, PERFORMANTICA, Iasi, <b>2009</b> .
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12.	<a href="#">Arsene, C.*</a> , 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, <b>2007</b> .	<b>0.000</b>
13.	<a href="#">Arsene, C.*</a> , 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, <b>2006</b> .	<b>0.000</b>
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25. Humelnicu, D., [Arsene, C.](#), Burghel, B., Bertescu, M., Humelnicu, I., Sandu, I., Mantu, D., Olariu, R.I., Interaction of actinide cations with heteropolytungstate ions [SiW<sub>11</sub>O<sub>39</sub>]<sup>8-</sup> and [SiW<sub>12</sub>O<sub>40</sub>]<sup>4-</sup>, Revista de Chimie, 61, 841-844, **2010**. **0.538**
26. 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**. **0.538**
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30. 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**. **0.538**
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**Peer-reviewed, necotate ISI, indexate și recunoscute BDI**

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2. Negru, A.G., Zbancioc, G., Mangalagiu, I., [Arsene, C.](#), Olariu, R.I., Physico-chemical behaviour of newly synthesized organic compounds. A reality between expectations and experimental evidences, *Acta Chimica Iasi*, 22(2), DOI: 102478/achi-2014-0014, **2014**.
3. Mardare-Balulescu, G., Soroaga, L.V., Marin, L.S., Agafitei, M.C., [Arsene, C.](#), Olariu, R.I., Physico-chemical forensic expertise in the analysis of soil samples by graphite furnace atomic absorption spectrometry, “Alexandru Ioan Cuza” University Days, Faculty of Chemistry Conference Iasi, Romania, 30 October-01 November, *Acta Chimica Iasi*, 22(2), pp. 255, DOI: 102478/achi-2014-0014, **2014**.
4. Petrea-Ioneasa, M., Olariu, R.I., [Arsene, C.](#), Water soluble organic carbon in aerosols from Iasi, north-eastern Romania, *Acta Chimica Iasi*, 22(2), pp. 256, DOI: 102478/achi-2014-0014, **2014**.
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7. Pindaru, D., Tanase, C., Iftime, C.M., Olariu, R.I., [Arsene, C.](#), Studies on water soluble ionic species of atmospheric particulate matter and lichenised fungi populations of *Xanthoria parietina* and *Phaeophyscia orbicularis* in Iasi urban area, *Acta Chimica Iasi*, 20(2), pp.64, **2012**.
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9. Humelnicu, D., Olariu, R.I., [Arsene, C.](#), Bertescu, M., Burghel, 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**.
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13. Onofrei, T., [Arsene, C.](#), Albu, M., Mita, C., Sorption of  $\text{Pb(II)}$  on chemically modified celluloses, *Analele Stiintifice ale Universitatii „Al.I.Cuza” Iasi, Chimie*, VIII, 275-280, **2000**.

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14. 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**.
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- 1) [Arsene, C.](#), Chemistry – a piece of wonder in the long way to fulfill the dream to reach one of the world's end “The Cape of the Good Hope”, 1st International Conference Perspectives in the Humanities and Social Sciences: Hinting at Interdisciplinarity, Iasi, Romania, 23-24 Mai, **2014**.
- 2) [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**.
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**Certificated abilities**

- 1) Certificate with registered no. TRRO AK-32-2010 emitted by TUV Rheinland Romania. Certificate acknowledging completing and undertaking the examination in Bucharest on 19.02.2010 for the course „Assistant for testing and calibration laboratories”, (32 hours), according to the national standard SR EN ISO/CEI 17025:2005 identical with the European Standard EN ISO/IEC 17025:2005. The examination was organised on the basis of the examination requirements of Academia TUV Rheinland Romania.
- 2) Certificate with registered no. TAR AK-58-2010 emitted by TUV Austria Romania. Certificate acknowledging completing and undertaking the examination on 12.02.2010 for the course „Internal auditor for testing and calibration laboratories in agreement with the requirements of the ISO 17025:2005 and ISO 9001:2002 standards”.

**Membru comitet stiintific - jurnale:** Acta Chimica Iasi (2013-prezent)

**Membru comitete stiintifice - manifestări:** Conferinta Chimia – Frontiera Deschisa spre Cunoastere, Sesiunea de comunicari stiintifice a studentilor, masteranzilor si doctoranzilor (2011-prezent)

**Referent de specialitate - evaluare articole trimise spre publicare în:** Atmospheric Environment, Chemosphere, Environmental Science and Pollution Research, International Journal of Environmental Analytical Chemistry, Referent Journal of Membrane Science, Malaysian Journal of Medical Science, Science of the Total Environment, Environmental Monitoring and Assessment, CLEAN - Soil, Air, Water, Atmospheric Research, Environmental Chemistry Letters, Atmospheric Chemistry and Physics, International Journal of Conservation Science, Acta Chimica Iasi

**Referent de specialitate - evaluare de propuneri competitive proiecte parteneriate (2013) și a propunerilor pentru tinere echipe de cercetători**

Conf. dr. habil. Cecilia ARSENE

**Granturi/proiecte câștigate prin competiție**

**Director proiecte internaționale/naționale**

**Număr Proiect**

1. PN-II-ID-PCE-2011-3-0471, 2011-2014, Evaluation of Volatile Organics in the Lower/Upper Troposphere - their Impact on the Oxidizing, Noxious and Aerosol Influx Capacity in Romania (EVOLUTION-AIR), UEFISCDI. 1050000 RON.(241000,00 EUR)
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