

LISTA COMPLETĂ DE LUCRĂRI

structurată conform Art. 11 din Metodologia de concurs pentru ocuparea posturilor didactice și de cercetare în Universitatea "Alexandru Ioan Cuza" din Iași

Lista celor maximum 10 lucrări relevante

1. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C., Size-resolved measurements of PM_{2.5} water-soluble elements in Iasi, north-eastern Romania: Seasonality, source apportionment and potential implications for human health, *Science of the Total Environment*, 695, 133839, **2019**.
2. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C., Chemical characteristics of size resolved atmospheric aerosols in Iasi, north-eastern Romania. Nitrogen-containing inorganic compounds controlling aerosols chemistry in the area, *Atmospheric Chemistry and Physics*, 18, 5879-5904, **2018**.
3. Amarandei, C., [Negru, A.G.](#), Soroaga, L.V., Cucu-Man, S.M., Olariu, R.I., Arsene, C.; Assessment of surface water quality in the Podu Iloaiei dam lake (north-eastern Romania): Potential implications for aquaculture activities in the area, *Water*, 13, 2395, **2021**.
4. [Negru, A.G.](#), Arsene, C., Zbancioc, A.M., Mangalagiu, I., Olariu, R.I., Physico-chemical behaviour of newly synthesized macrocyclic compounds. A reality between expectations and experimental evidences, *Revista de Chimie Bucharest*, 66, 9, 1339-1342, **2015**.
5. [Galon \(Negru\), A.G.](#), Amarandei, C., Olariu, R.I., Arsene, C.; Source apportionment of PM_{2.5} mass concentrations in Iasi urban area, north-eastern Romania, *European Aerosol Conference 2019 (EAC 2019)*, Gothenburg, Sweden, Source Apportionment Section, Conference Program, pp. 22, O1-F5-A, oral presentation, 25–30 August, **2019**.
6. Arsene, C., [Galon \(Negru\), A.G.](#), Mardare (Balusescu), G., Babusanu(Coman), A., Olariu, R.I.; About ultrasound assisted extraction and its suitability for studying physico-chemical processes in various complex matrices, *2nd Caparica Christmas Conference on Sample Treatment, Proceedings Book*, ISBN 978-989-99639-2-4, Lisbon, Portugal, pp. 79-80, oral presentation, 5–7 December, **2016**.
7. [Galon \(Negru\), A.G.](#), Amarandei, C., Riffault, V., Tomas, A., Duncianu, M., Olariu, R.I., Arsene, C., High resolution time-of-flight mass spectrometry in submicrometric aerosol particles characterization, *National Conference of the Doctoral Schools from Universtaria Consortium, 1st Edition*, Iasi, Romania, Book of Abstracts, pp. 27-28, oral communication, 31 October – 3 November, **2018**.
8. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C., Investigation on new atmospheric particles formation and growth in Iasi, north-eastern Romania; *The XXXV-th Romanian Chemistry Conference*, Calimanesti-Caciulata, Valcea, Romania, Book of Abstracts, p. 16, poster presentation, 03–05 October, **2018**.
9. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Meteorological parameters role on the formation and growth of new atmospheric particles in Iasi urban area, *The 9th Scientific Session of Undergraduate, Master and PhD Students*, Iasi, Romania Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067 - 2446, *Acta Chemica Iasi*, vol. 26(2), p. 373, oral presentation, 29–30 June, **2018**.
10. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Trace Water Soluble Ions in Fine Atmospheric Particles from Iasi, North-Eastern Romania, *The International Conference in Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES 2016)*, 29 June–01 July, 2016, Brasov, Romania, Book of abstracts, Florescu, M., Raicu, V., LeGac, S., Turcu, I., Maerty, J.L., Eds., Transilvania University Press, ISSN 2360-3461, p. 116, poster presentation, 29 June–01 July, **2016**.

Teza sau tezele de doctorat

Caracterizarea fizico-chimică a aerosolilor submicrometrici din atmosfera urbană / Physico-chemical characterisation of submicronic aerosols from urban atmosphere, Școala Doctorală de Chimie, Universitatea "Alexandru Ioan Cuza" din Iași, susținută public în data de 25 septembrie 2019.

Articole/studii publicate *in extenso*, în reviste din circuitul internațional

1. Amarandei, C., [Negru, A.G.](#), Soroaga, L.V., Cucu-Man, S.M., Olariu, R.I., Arsene, C.; Assessment of surface water quality in the Podu Iloaiei dam lake (north-eastern Romania): Potential implications for aquaculture activities in the area, *Water*, 13, 2395, **2021**. (Factor impact: **3,103**, Q2)
2. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C., Size-resolved measurements of PM_{2.5} water-soluble elements in Iasi, north-eastern Romania: Seasonality, source apportionment and potential implications for human health, *Science of the Total Environment*, 695, 133839, **2019**. (Factor impact: **6,551**, Q1)
3. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C., Chemical characteristics of size resolved atmospheric aerosols in Iasi, north-eastern Romania. Nitrogen-containing inorganic compounds controlling aerosols chemistry in the area, *Atmospheric Chemistry and Physics*, 18, 5879-5904, **2018**. (Factor impact: **5,668**, Q1)
4. [Negru, A.G.](#), Arsene, C., Zbancioc, A.M., Mangalagiu, I., Olariu, R.I., Physico-chemical behaviour of newly synthesized macrocyclic compounds. A reality between expectations and experimental evidences, *Revista de Chimie Bucharest*, 66, 9, 1339-1342, **2015**. (Factor impact: **0,956**, Q3)

Alte lucrări și contribuții științifice

a) Participări la manifestări științifice internaționale

1. Amarandei, C., [Negru, A.G.](#), Olariu, R.I., Arsene, C.; Investigation of size-resolved anthropogenic secondary organic aerosol molecular tracers derived from aromatic hydrocarbons, International Conference on Aerosol Science and Technology, Prague, Czechia, poster presentation, 3–4 September, **2020**.
2. [Galon \(Negru\), A.G.](#), Amarandei, C., Olariu, R.I., Arsene, C.; Source apportionment of PM_{2.5} mass concentrations in Iasi urban area, north-eastern Romania, European Aerosol Conference 2019 (EAC 2019), Gothenburg, Sweden, Source Apportionment Section, Conference Program, pp. 22, O1-F5-A, oral presentation, 25–30 August, **2019**.
3. Amarandei, C., [Galon \(Negru\), A.G.](#), Mutzel, A., Herrmann, H., Olariu, R.I., Arsene, C.; First experimental evidences on the α/β -pinene oxidation products contribution to the urbane particulate matter in Iasi, north-eastern Romania, European Aerosol Conference 2019, Gothenburg, Sweden, Source Apportionment Section, Conference Program, p. 113, P3-026, poster presentation, 25–30 August, **2019**.
4. Arsene, C., [Galon \(Negru\), A.G.](#), Mardare (Balusescu), G., Babusanu(Coman), A., Olariu, R.I.; About ultrasound assisted extraction and its suitability for studying physico-chemical processes in various complex matrices, 2nd Caparica Christmas Conference on Sample Treatment, Proceedings Book, ISBN 978-989-99639-2-4, Lisbon, Portugal, pp. 79-80, oral presentation, 5–7 December, **2016**.

b) Participări la manifestări științifice naționale

1. Amarandei, C., [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Investigarea markerilor moleculari organici din atmosfera urbană prin HPLC-ESI-ToF-MS. Dezvoltare de metodă, National Conference of the Doctoral Schools from Universitaria Consortium, 2nd Edition, Timisoara, Romania, Book of Abstracts, p. 38, oral presentation, 11–14 November, **2019**.
2. Amarandei, C., [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Characterization of phenolic biomass burning molecular tracers in size-resolved atmospheric aerosols, IasiChem 2019, Faculty of Chemistry Conference, Iasi, Romania, Book of Abstracts, p. 17, poster presentation, 31 October – 1 November, **2019**.
3. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; The nucleation and growth rates of atmospheric particles in Iasi, north-eastern Romania, The 10th Scientific Session of Undergraduate, Master and PhD Students, Iasi, Romania, poster presentation, 20–21 June, **2019**.
4. Amarandei, C., [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; High-performance liquid chromatography time-of-flight mass spectrometry method development for investigation of organic aerosols, The 10th Scientific Session of Undergraduate, Master and PhD Students, Iasi, Romania, Book of Abstracts, p. 46, 20–21 June, **2019**.
5. [Galon \(Negru\), A.G.](#), Amarandei, C., Riffault, V., Tomas, A., Duncianu, M., Olariu, R.I., Arsene, C.; High resolution time-of-flight mass spectrometry in submicrometric aerosol particles characterization, National Conference of the Doctoral Schools from Universtaria Consortium, 1st Edition, Iasi, Romania, Book of Abstracts, p. 27, oral presentation, 31 October – 3 November, **2018**.
6. Amarandei, C., [Galon \(Negru\), A.G.](#), Riffault, V., Tomas, A., Duncianu, M., Bejan, I.G., Olariu, R.I., Arsene, C.; Attempts to characterize the organic aerosols using an Aerodyne High-Resolution Aerosol Mass Spectrometer, IasiChem 2018, Faculty of Chemistry Conference, Iasi, Romania, Book of Abstracts, p. 33, poster presentation, 25–26 October, **2018**.
7. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Investigation on new atmospheric particles formation and growth in Iasi, north-eastern Romania; The XXXV-th Romanian Chemistry Conference, Calimanesti-Caciulata, Valcea, Romania, Book of Abstracts, p. 16, poster presentation, 03–05 October, **2018**.
8. Amarandei, C., [Galon \(Negru\), A.G.](#), Mutzel, A., Herrmann, H., Olariu, R.I., Arsene, C.; A preliminary investigation on the chemical composition of secondary organic aerosols in the north-eastern Romania, The XXXV-th Romanian Chemistry Conference, Calimanesti-Caciulata, Valcea, Romania, Book of Abstracts, p. 3, poster presentation, 03–05 October, **2018**.
9. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Meteorological parameters role on the formation and growth of new atmospheric particles in Iasi urban area, The 9th Scientific Session of Undergraduate, Master and PhD Students, Iasi, Romania Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067 - 2446, Acta Chemica Iasi, vol. 26(2), p. 373, oral presentation, 29–30 June, **2018**.
10. Amarandei, C., [Galon \(Negru\), A.G.](#), Cucu-Man, S.M., Olariu, R.I., Arsene, C.; Assessment of lake water chemistry using statistical analysis, The 9th Scientific Session of Undergraduate, Master and PhD Students, Iasi, Romania, Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067- 2446, Acta Chemica Iasi, vol. 26(2), p. 389, poster presentation, 29–30 June, **2018**.
11. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Atmospheric behavior of water soluble organic anions in fine and coarse particulate matter from Iasi, Romania, IasiChem 2017, Iasi, Romania, Faculty of Chemistry Conference Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067 – 2446, Acta Chemica Iasi, vol. 25(2), p. 322, poster presentation, 26–28 October, **2017**.

12. Amarandei, C., [Galon \(Negru\), A.G.](#), Cucu-Man, S.M., Olariu, R.I., Arsene, C.; Pedologic, atmospheric or anthropogenic contributions as driving forces for aquaculture water quality. A case study for an artificial lake from the north-eastern Romania", IasiChem 2017, Iasi, Romania, Faculty of Chemistry Conference Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067 – 2446, Acta Chemica Iasi, vol. 25(2), p. 324, poster presentation, 26–28 October, **2017**.
13. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Size distributions of water soluble aluminum and magnesium in atmospheric aerosols from Iasi, România, The 8th Scientific Session of Undergraduate, Master and PhD Students, Iasi Romania Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067 – 2446, Acta Chemica Iasi, vol. 25(1), p. 102, poster presentation, 30 June, **2017**.
14. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Vertical transport of continental air masses and their influence on the distribution of size resolved aerosols from Iasi, Romania, "Alexandru Ioan Cuza" University Days, Faculty of Chemistry Conference Iasi Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067 – 2446, Acta Chemica Iasi, vol. 24(2), p. 166, oral presentation, 27–28 October, **2016**.
15. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Trace Water Soluble Ions in Fine Atmospheric Particles from Iasi, North-Eastern Romania, The International Conference in Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES 2016), 29 June–01 July, 2016, Brasov, Romania, Book of abstracts, Florescu, M., Raicu, V., LeGac, S., Turcu, I., Maerty, J.L., Eds., Transilvania University Press, ISSN 2360-3461, p. 116, poster presentation, 29 June–01 July, **2016**.
16. [Galon \(Negru\), A.G.](#), Pruna I., Olariu, R.I., Arsene, C.; Mono- and multimodal distributions of water soluble ionic species in urban particulate matter from Iasi, Romania, The 7th Scientific Session of Undergraduate, Master and PhD Students, Iasi Romania Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067 – 2446, Acta Chemica Iasi, vol. 24(1), p. 65, poster presentation, 24 June, **2016**.
17. Soroaga L.V., Olariu R.I., [Galon \(Negru\), A.G.](#), Arsene, C.; Elemental and morphological analysis of airborne particulate matter collected in Iasi, north-eastern Romania, The 7th Scientific Session of Undergraduate, Master and PhD Students, Iasi, Romania Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067 – 2446, Acta Chemica Iasi, vol. 24(1), p. 66, poster presentation, 24 June, **2016**.
18. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Atmospheric behavior and size distribution of water soluble acetate, formate and oxalate ions in urban aerosols from Iasi, Romania, International Conference "Chimia". Book of abstracts, vol. 2, ISSN 2360-3941, Ovidius University Press, Constanta 2016, p. 34, oral presentation, 26–28 May, **2016**.
19. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Particulate matter and gaseous pollutants variability in Iasi urban area, north-eastern Romania, 12th International Conference on Colloid and Surface Chemistry Book of abstracts, p. 53, poster presentation, 16–18 May, **2016**.
20. [Galon \(Negru\), A.G.](#), Olariu, R.I., Arsene, C.; Mass concentrations and chemical composition of size resolved atmospheric aerosols in the north-eastern Romania, Iasi region, Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCCE I) Book of abstracts, p. 35, poster presentation, 12–14 May, **2016**.
21. Marin, S.L., [Galon \(Negru\), A.G.](#), Mardare (Balusescu), G., Bejan, I., Olariu, R.I., Arsene, C.; Gas-phase kinetic study of on radical reactions with mesytilene in the newly designed ESCQ-UAIC chamber, Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCCE I) Book of abstracts, p. 34, poster presentation, 12–14 May, **2016**.
22. [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, 3rd French-Romanian Colloquim on Medicinal Chemistry, Iasi, Romania Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067-2446, Acta Chemica Iasi, vol. 22(2), p. 216, poster presentation, 30–31 October, **2014**.

23. Tarcau, D., [Negru, A.G.](#), Vintu, V., Samuil, C., Cucu-Man, S.M.; Influence of organic and mineral fertilization on the content of polyphenols and tannins of forages from a permanent grassland in north-eastern Romania (Cosna), "Alexandru Ioan Cuza" University Days, Faculty of Chemistry Conference & Mini-Hot-Conference: „Recent Achievements in Organic and Supramolecular Chemistry” Book of Abstracts, ISSN 2067-2438, ISSN (online): 2067-2446, Acta Chemica Iasi, vol. 21(2) Supplement, p. 51, poster presentation, 31 October – 02 November, **2013**.

Data,

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