

## LISTA LUCRĂRILOR ELABORATE

Sl. dr. chim. Alina MOROȘAN

**Vis – Articole publicate în volume ale unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters, fără factor de impact calculat**

**Vis1.** C. Ravariu, D. E. Mihaiescu, D. Istrati, **A. Morosan**, Experimental Characteristics of Organic Transistor with Silver Gate, Proceedings of the International Semiconductor Conference (CAS), 2019, 31-34, DOI: 10.1109/SMICND.2019.8923962, WOS:000514295300005, ISSN:1545-827X

**Vi – Articole publicate în volume ale unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;**

**Vi1.** C. Ravariu, D.E. Mihaiescu, **A. Morosan**, D. Istrati, F. Babarada, Simulation and Experimental Studies about Proper Electrodes of an Organic Thin Film Transistor, 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2019, 1-4. DOI: 10.1109/ATEE.2019.8725006

## COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

**E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc. internaționale:**

- E1.** B. Mihaiescu, A.-G. Niculescu, A. C. Bîrcă, **A. Moroșan**, B. Purcăreanu, B. Ș. Vasile, T. Hadibarata, D. Istrati, D. E. Mihaiescu, A. M. Grumezescu, Advanced imaging techniques for aerogel-based film characterisation, Conferința Societății de Microscopie Electronică din România – C.R.E.M.S. 2023, 18-21 October 2023 – Cluj-Napoca, România, Prezentare orală
- E2.** A.-G. Niculescu, A. C. Bîrcă, **A. Moroșan**, B. Purcăreanu, D. E. Mihaiescu, B. Ș. Vasile, B. Mihaiescu, T. Hadibarata, A. M. Grumezescu, Magnetic composite aerogel microspheres synthesis, optimization, and application, Conferința Societății de Microscopie Electronică din România - C.R.E.M.S. 2023, 18-21 October 2023 – Cluj-Napoca, România, Poster
- E3.** A.-G. Niculescu, A. C. Bîrcă, **A. Moroșan**, B. Purcăreanu, D. E. Mihaiescu, B. Ș. Vasile, B. Mihaiescu, T. Hadibarata, A. M. Grumezescu, Aerogel-based magnetic composites – novel solution for water decontamination applications, Conferința

Societății de Microscopie Electronică din România - C.R.E.M.S. 2023, 18-21 October 2023 – Cluj-Napoca, România, Poster

- E4. A.-G. Niculescu, A. C. Bîrcă, **A. Moroșan**, B. Purcăreanu, D. E. Mihaiescu, B. Ș. Vasile, B. Mihaiescu, T. Hadibarata, A. M. Grumezescu, Aerogel-based systems for organic pollutants water decontamination, Conferința Societății de Microscopie Electronică din România – C.R.E.M.S. 2023, 18-21 October 2023 – Cluj-Napoca, România, Poster
- E5. A. C. Bîrcă, A.-G. Niculescu, **A. Moroșan**, B. Purcăreanu, D. E. Mihaiescu, B. Ș. Vasile, T. Hadibarata, A. M. Grumezescu, Aerogel-based composites obtained through microfluidic methods for water decontamination, European Materials Research Society (E-MRS) Fall Meeting, 18-21 September 2023, Warsaw, Poland, Poster
- E6. A.-G. Niculescu, A. C. Bîrcă, **A. Moroșan**, B. Purcăreanu, D. E. Mihaiescu, B. Ș. Vasile, T. Hadibarata, A. M. Grumezescu, Multifunctional magnetic nanoparticles obtained through microfluidic techniques, European Materials Research Society (E-MRS) Fall Meeting, 18-21 September 2023, Warsaw, Poland, Poster
- E7. B. Purcăreanu, V. Drumea, D. E. Mihaiescu, **A. Moroșan**, L. Olariu, A. Fikai, Identification of the origin of essential oils using principal component analysis, Virtual International Scientific Conference on „Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2023”, 28-30 June 2023, Comunicare orală
- E8. B. Mihaiescu, A. H. Popescu, O. M. Mihaiescu, **A. Moroșan**, R. Trușcă, D. Istrati, D. E. Mihaiescu, Bioactive compounds from water kefir – characterization and applications, 22th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, Romania, 7-9 September 2022, Prezentare orală
- E9. O. M. Mihaiescu, A. Fikai, **A. Moroșan**, B. Purcareanu, D. Istrati, B. Mihaiescu, D. E. Mihaiescu, Silica-Based Plant Extracts Nanocomposite Thin Films with Low Release Capabilities for Green Phytosanitary Applications, Virtual International Scientific Conference on „Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021”, 25-27 November 2021, Prezentare orală
- E10. Bogdan Purcăreanu, **Alina Moroșan**, Adrian Costache, Alexia Popescu, Bogdan Mihaiescu, Rodica Cristescu, Daniela Istrati, Dan Eduard Mihaiescu, Application of mALDI-FT-ICR-MS for nanostructured thin films characterization, EU\_FT-ICR\_MS 2<sup>nd</sup> Advanced Users School, Prague, 26-30 september 2021, Prezentare orală

- E11.** Cristian Ravariu, Dan Eduard Mihaescu, **Alina Morosan**, Avireni Srinivasulu, Electrical Characterization of an Organic Thin Film on Para Amino Benzoic Acid Using the Pseudo-MOS Transistor Technique, 2nd International Conference on Power, Computer, Communication and Applied Innovations – Online Conference, 17-19 September 2020, Prezentare orală
- E12.** **Alina Moroșan**, Daniela Istrati, Dan Eduard Mihaescu, Cristian Ravariu, Bogdan Vasile, Nanocomposites Based on SET – Active Organic Compounds for Electron Transfer Applications in Electronics, 31st International Conference and Expo on Nanosciences and Nanotechnology, 18-19.11.2019, Paris, France, Poster (*moderator*)
- E13.** **Alina Moroșan**, Daniela Istrati, Dan Eduard Mihaescu, Mihai-Alexandru Florea, Bogdan Purcăreanu, Gabriel Vasilievici, Bogdan Trică, Raluca Stan, Release study of the biological active compounds from plant extracts loaded on MCM41 composites, using HRMS, 21th Romanian International Conference on Chemistry and Chemical Engineering, 4–7. 09.2019, Constanta- Mamaia, România, Poster
- E14.** Bogdan Purcareanu, Daniela Istrati, Dan Eduard Mihaescu, **Alina Morosan**, Mihai Radu, Mihai-Alexandru Florea, Gabriel Vasilievici, Bogdan Trica, Raluca Stan: Fast screening of antibiotics in consumer products by HRMS, RICCCE 2019: 21th Romanian International Conference on Chemistry and Chemical Engineering, Constanta-Mamaia, Romania, 4-7 Septembrie 2019, Prezentare orală
- E15.** **A. Moroșan**, D. E. Mihaescu, D. Istrati, R. Stan, G. Voicu, B. Vasile, New approaches of peptides synthesis, 9th ICOSECS 2019, 8-11.05.2019, Targoviste, Romania, Poster
- E16.** **A. Moroșan**, D. Istrati, R.L.Stan, B. Trică, G. Vasilievici, D.E. Mihaescu, Functionalized silica shell magnetic nanoparticles for nanophase peptide synthesis applications, 15th ICNN – NN18-NANOTECHNOLOGY 2018, 2-7.07.2018, Thessaloniki, Greece, Poster
- E17.** **Alina Moroșan**, Daniela Istrati, Laura Olariu, Bogdan Purcăreanu, Bogdan Trică, Gabriel Vasilievici, Dan Eduard Mihaescu, La Désorption des composés bioactifs à partir du corps de matrice de silice – organique, COFrRoCA 10 édition, 26-30.06.2018, Bacău, România, Poster
- E18.** Daniela Istrati, **Alina Moroșan**, Maria Stanca, Bogdan Purcăreanu, Adrian Fudulu, Laura Olariu, Alice Buteică, Ion Mîndrilă, Rodica Cristescu, Dan Mihaescu, Mesoporous nanocomposites for sustained release applications, ICGRBSE 2017: 19th International Conference of Growth, Regeneration, Biological Science and Engineering, 04-06 dec.2017, Amsterdam, Olanda, Oral Communication (e-Poster).

- E19.** Dan Mihaiescu, Daniela Istrati, **Alina Moroșan**, Oana Maria Mihaiescu, Laura Olariu, Emilia Bușe, Adrian Fudulu, Ion Mândrilă, Alice Buteică, Georgeta Voicu, Gabriel Vasilievici, Bodan Trică, Mesoporous silica hybrid nanomaterials for biomedical applications, 7th Annual World Congress of Nano Science & Technology-2017, 21-28.10.2017, Fukuoka, Japonia, Comunicare orală
- E20.** **Alina Moroșan**, Raluca Stan, Daniela Istrati and Dan Eduard Mihaiescu, Alternative hybrid nanostructured support for solid phase peptide synthesis, 20th Romanian International Conference on Chemistry and Chemical Engineering, September 6-9, 2017, Poiana Brasov, România, Comunicare orală
- E21.** Daniela Istrati, Adrian Fudulu, Bogdan Purcareanu, **Alina Moroșan**, Mihai Radu, Georgeta Voicu, Dan Eduard Mihaiescu, Hybrid multilayer nanomaterials using  $\text{Fe}_3\text{O}_4$  magnetic core-shell nanoparticles as support, 9-th International Conference of Advanced Nanomaterials, 19 – 22.07. 2017, Aveiro, Portugalia, Poster
- E22.** **Alina Moroșan**, Daniela Istrati, Dan Eduard Mihaiescu, Adrian Fudulu, Anca Marton, Raluca Stan, Synthese des peptides sur support magnetique nanostructure à l'aide de la strategie Fmoc, 9ème Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA), Clermont Ferrand, France, 29 Juin-1 Juillet 2016, Poster

#### **IV.2. E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc. naționale**

- E23.** **Alina Moroșan**, Adrian Fudulu, Daniela Istrati, Dan Eduard Mihaiescu, Nanostructured thin films obtained by ESI-deposition method, a XXXIV-a National Chemistry Conference, Călimănești-Căciulata, România, 4-7.10.2016, Comunicare orală
- E24.** **Alina Moroșan**, Daniela Istrati, Dan Eduard Mihaiescu, Peptide synthesis on magnetic nanostructured support using Fmoc strategy, Seminar: "ACS on Campus", Universitatea POLITEHNICA din Bucharest, Romania, 13.05.2016, Comunicare orală