

## LISTĂ DE LUCRĂRI

1. Anca Aldea, Elena Matei, Ricardo J. B. Leote, Ileana Rau, Ionut Enculescu, Victor C. Diculescu, Ionophore-nafion Modified Gold-coated Electrospun Polymeric Fibers as Flexible Sensors for Determination of Electrolytes in Sweat, *Electrochimica Acta*, 363, 2020, 137239 (<https://doi.org/10.1016/j.electacta.2020.137239>) (FI=6,215)
2. Anca Aldea, Ana Maria Albu, Ileana Rău New carbazole based materials: synthesis and spectral characterization *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, 80(4), 39-48, 2018 ( CODEN: SBUPD, ISSN 1454-2331)
3. Anca Aldea, Ana Maria Albu, Ileana Rău Solvatochromic study of new carbazole based materials, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, 80(2), 149-158, 2018 (CODEN: SBUPD, ISSN 1454-2331)
4. Natalia V. Kamanina, Svetlana V. Likhomanova, Vladislav I. Studeonov, Ileana Rău, Anca Dibră, Agnieszka Pawlicka, Rotation of the Polarization Plane of Light Via Use of the DNA-Based Structures for Innovative Medical Devices, *Journal of Nanotechnology in Diagnosis and Treatment*, 4, 1-4, 2016 (ISSN: 2311-8792/16)
5. Anca Aldea, Ana Maria Albu, Ileana Rău New polymeric materials for photonic applications: Preliminary investigations, *Optical Materials*, 56, 90-93, 2016 (<https://doi.org/10.1016/j.optmat.2016.01.032>) (FI=2,779)
6. Anca Aldea, Ana-Maria Albu, Alina Nicolescu, Victorita Tecuceanu Kinetics of Free Radical Polymerization of N-substituted Amides and Their Structural Implications, *Advances in Materials Science and Engineering*, 1-9, 2016, Article ID 6430416, (<https://doi.org/10.1155/2016/6430416>) (FI=1,271)

## PARTICIPĂRI MANIFESTĂRI ȘTIINȚIFICE

1. Anca Aldea, Victor C. Diculescu, Alexandru Evanghelidis, Elena Matei, Ionut Enculescu, Flexible Electrodes Based on Electrospun Metallized Fibers for Biomarkers Detection in Sweat, 70th Annual International Society of Electrochemistry Meeting, Durban, Africa de Sud, 2019 (Prezentare ORALĂ)
2. Anca Aldea, Elena Matei, Victor C. Diculescu, Ionophore-Based Sensors for Continuous Monitoring of Electrolytes - XXV International Symposium on Bioelectrochemistry and Bioenergetics, Limerick, Irlanda, 2019 (Prezentare ORALĂ)
3. Anca Aldea, Victor C. Diculescu, Ionut Enculescu, Nicoleta Preda, Mihaela Beregoi, Alexandru Evanghelidis, Ileana Rău High Surface Flexible Electrodes for Biomedical Applications - 69th Annual International Society of Electrochemistry Meeting, Bologna, Italia, 2018 (Prezentare ORALĂ)
4. Anca Aldea, Mihalea Beregoi, Alexandru Evanghelidis, Ileana Rău, Victor C. Diculescu, New Flexible Materials for Wearable Biosensors – 17th International Conference on Electroanalysis, Rodos, Grecia, 2018 (Prezentare ORALĂ)

5. Anca Diblă, Ana-Maria Albu, Ileana Rău, Dimensional study of N-acryloyl morpholine copolymers with potential application in biophotonics - 19th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Sibiu, România, 2015 (Prezentare ORALĂ)
6. Anca Diblă, Ana-Maria Albu, Ileana Rău, Synthesis and characterization of N-substituted amides copolymers with DNA mimicking properties- International Multidisciplinary Scientific GeoConferences & Expo SGEM 2015, Albena, Bulgaria, 2015 (POSTER)
7. Anca Diblă, Ana-Maria Albu, Ileana Rău, DNA Based Biomimetic Materials - Young Scientist Joining Forces For Excellence in Biomaterials Research Workshop, București, România, 2015 (POSTER)
8. Anca Diblă, Ana-Maria Albu, Ileana Rău, DNA, amides and chromophores: new ONL architectures -  
13th International Conference on Frontiers of Polymers and Advanced Materials (13th ICFPAM), Marrakech, Maroc, 2015 (Prezentare ORALĂ)
9. Anca Diblă, Ana-Maria Albu, Ileana Rău, Complexe materials based on DNA – N – substituted amides copolymers-colored monomers - Fourth International Workshop on Advanced, Nano- and Biomaterials and Their Applications, Iași, România, 2014 (Prezentare ORALĂ)
10. Ana-Maria Albu, Anca Diblă, Carbazole Compunds-New Opportunities for Building Nonlinear Optical Polymer Architecture- 12th International Conference on Frontiers of Polymers and Advanced Materials (12th ICFPAM), Auckland, Noua Zeelandă, 2013 (Prezentare ORALĂ)
11. Anca Diblă, Ana-Maria Albu, Controlled Polymer Structures in Biomaterial Architecture –12th International Conference on Frontiers of Polymers and Advanced Materials (12th ICFPAM), Auckland, Noua Zeelandă, 2013 (Prezentare ORALĂ)
12. Anca Diblă, Ana-Maria Albu, Alina Nicolescu, Victorita Tecuceanu, Kinetic parameters effect on stereoregularity of N-substituted amides copolymers”, 44th IUPAC World Chemistry Congress, Istanbul, Turcia, 2013 (POSTER)
13. Anca Diblă, Ana-Maria Albu, Alina Nicolescu, Victorita Tecuceanu, DNA and N-substituted amides copolymers: Complexes or Bonding?, 44th IUPAC World Chemistry Congress, Istanbul, Turcia, 2013 (Prezentare ORALĂ)