



LISTĂ LUCRĂRI

1. Ioana C. Bucataru †; **Isabela S. Dragomir** †; Alina Asandei; Ana-Maria Pantazica; Alina Ghionescu; Norica Branza-Nichita; YoonkyunG Park; Tudor Luchian, *Probing the Hepatitis B Virus E-Antigen with a Nanopore Sensor Based on Collisional Events Analysis*, **BIOSENSORS-BASEL 2022**, 12(8), 596, (†contribuții egale), DOI: 10.3390/bios12080596, **Factor de impact: 5.743**
2. Loredana Mereuta; Alina Asandei; **Isabela S. Dragomir**; Jonggwan Park; Yoonkyung Park; Tudor Luchian, *A Nanopore Sensor for Multiplexed Detection of Short Polynucleotides Based on Length-Variable, Poly-Arginine-Conjugated Peptide Nucleic Acids*, **ANALYTICAL CHEMISTRY 2022**, 94(24), 8774-8782, DOI: 10.1021/acs.analchem.2c01587, **Factor de impact: 8.008**
3. Irina Schiopu, Alina Asandei, Loredana Mereuta, **Isabela S. Dragomir**, Ioana C Bucataru, Tudor Luchian, *Single-Molecule Detection and Manipulation with Biological Nanopores*, **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 2021**, 66(3), 161-174, DOI: 10.24193/subbchem.2021.3.09, **Factor de impact: 0.558**
4. **Isabela S. Dragomir**†, Alina Asandei†, Irina Schiopu, Ioana C. Bucataru, Loredana Mereuta and Tudor Luchian, *The Nanopore-Tweezing-Based, Targeted Detection of Nucleobases on Short Functionalized Peptide Nucleic Acid Sequences*, **Polymers 2021**, 13(8), 1210, (†contribuții egale), DOI: 10.3390/polym13081210, **Factor de impact: 4.967**
5. **Isabela Ștefania Dragomir**, *Studiul interacțiunilor dintre molecule de interes biologic și sisteme lipido-proteice model constituite din membrane lipidice*, Conducător științific: prof. dr. Tudor LUCHIAN, **Teză de doctorat 2020**, UAIC, Iași
6. Loredana Mereuta, Alina Asandei, **Isabela S. Dragomir**, Ioana C. Bucataru, Jonggwan Park, Chang Ho Seo, Yoonkyung Park, Tudor Luchian, *"Sequence-Specific Detection of Single-Stranded DNA with a Gold Nanoparticle-Protein Nanopore Approach"*, **Scientific Reports 2020**, 10(1), 11323, DOI: 10.1038/s41598-020-68258-x, **Factor de impact: 4.380**
7. **Isabela S. Dragomir**†, Ioana C. Bucataru†, Irina Schiopu, Tudor Luchian, *"Unzipping mechanism of free- and polyarginine-conjugated DNA-PNA duplexes, preconfined inside the α -hemolysin nanopore"*, **Analytical Chemistry 2020**, 2, 92(11), 7800-7807 (†contribuții egale), DOI: 10.1021/acs.analchem.0c00976, **Factor de impact: 6.986**
8. Alina Asandei, Giovanni Di Muccio, Irina Schiopu, Loredana Mereuta, **Isabela S. Dragomir**, Mauro Chinappi, Tudor Luchian, *"Nanopore-Based Protein Sequencing Using Biopores: Current Achievements and Open Challenges"*, **Small Methods 2020**, 4(11), 1900595, DOI: 10.1002/smt.201900595, **Factor de impact: 14.188**
9. Ciobanașu Corina, **Isabela S. Dragomir**, Apetrei Aurelia, *"The penetrating properties of the tumor homing peptide LyP-1 in model lipid membrane"*, **Journal of Peptide Science 2019**, 25(3), e3145, DOI: 10.1002/psc.3145, **Factor de impact: 1.877**



10. Alina Asandei†, **Isabela S. Dragomir**†, Giovanni Di Muccio, Mauro Chinappi, Yoonkyung Park, Tudor Luchian, ”Single-Molecule Dynamics and Discrimination between Hydrophilic and Hydrophobic Amino Acids in Peptides, through Controllable, Stepwise Translocation across Nanopores”, **Polymers** **2018**, 10(8), 885, (†contribuții egale), DOI: 10.3390/polym10080885, **Factor de impact: 3.164**
11. **Isabela S. Dragomir**, Dorina Creangă, ”Radon, an indoor pollutant”, **Medical Physics Jurnal** **2015**, Vol.3, No.2;
12. **Isabela S. Dragomir**, Dorina Creangă, ”Survival curves following exposure to ionizing radiation”, **Medical Physics Jurnal** **2014** , Vol.2, No.3.

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Semnătura:
Dr. Isabela-Ștefania BUDACĂ-DRAGOMIR