

**PhD. Student Izabela CONSTANTINOIU**  
**List of papers that include data from the thesis**

**PAPERS LIST**

1. D. Miu, **I. Constantinoiu**, C. Enache, C. Viespe, *Effect of Pd/ZnO Morphology on Surface Acoustic Wave Sensor Response*, *Nanomaterials* 11 (2021) 2598. (IF: 4.4)
2. **I. Constantinoiu**, D. Miu, C. Viespe, *SAW Hydrogen Sensors with Pd/SnO<sub>2</sub> Layers*, *Materials* 15 (2022) 8012. (IF: 3.1)
3. A. N. Trandaş, A. Trifan, A. D. Ungureanu, A. Dusciuc, M. Opreş, O. C. Milea, A. Banciu, **I. Constantinoiu**, C. Busuioc, G. O. Isopencu, *Properties of europium and silver doped bioglass thin films obtained by two deposition methods: Biointerfaces for bioinert implants*, *Materials Chemistry and Physics* 309 (2023) 128396. (IF: 4.3)
4. R. Lavirc, C. Vreme, C. Busuioc, G. O. Isopencu, A. I. Nicoară, O. C. Oprea, D. D. Banciu, **I. Constantinoiu**, A. M. R. Muşat, *The Effect of Silver and Samarium on the Properties of Bioglass Coatings Produced by Pulsed Laser Deposition and Spin Coating*, *Journal of Functional Biomaterials* 14 (2023) 560. (IF: 5)
5. **I. Constantinoiu**, C. Viespe, C. Busuioc, S. I. Jinga, *ZnO Thin Films By Pulsed Laser Deposition With Applications In Sensors*, *University Politehnica of Bucharest Scientific Bulletin Series B: Chemistry and Materials Science*, 86 (2024) 119-134. (IF: 0.3)
6. A. M. Olteanu, A. I. Nicoară, V. A. Surdu, G. O. Isopencu, D. D. Banciu, S. I. Jinga, C. Busuioc, **I. Constantinoiu**, *Antibacterial activity of tin-doped zinc oxide thin films deposited by laser ablation*, *Ceramics International* 50 (2024) 3497-3510. (IF: 5.1)

**SCIENTIFIC MEETINGS ATTENDED**

1. M. Paunica, **I Constantinoiu**, C. Viespe, *Pd/SnO<sub>2</sub> bilayers obtained by PLD for SAW hydrogen sensor*, *International Conference on Laser, Plasma and Radiation Science and Technology*, Iunie 2024, Belta Dunării, România.-**POSTER**
2. **I. Constantinoiu**, C. Viespe, C. Busuioc, C. Luculescu, S.I. Jinga, *Synthesis and Characterization of IZO thin films obtained by Pulsed Laser Deposition for Surface Acoustic Wave Sensors*, *E-MRS 2023 Fall Meeting*, Warsaw, University of Technology/ref. 01469.-**POSTER**
3. **I. Constantinoiu**, D. Miu, C. Enache, C. Viespe, *Pd/ZnO Sensitive Layers by Pulsed Laser Deposition for Surface Acoustic Wave Sensors*, *The International Conference on Laser, Plasma, and Radiation – Science and Technology*, 07-10.06.2022, Bucuresti, Romania.-**POSTER**
4. C. Viespe, D. Miu, **I. Constantinoiu**, C. Enache, *Pd/ZnO bilayers obtained by PLD with improved morphology for Surface Acoustic Wave Sensors*, *International Conference on Materials and Nanomaterials (MNs-22)*, 25-27.07.2022, Roma, Italia-**ORAL**