LISTA PUBLICAŢIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE, PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT

Ing. *Elisei Ștefan ILIEȘ*

1. Lucrări ştiinţifice publicate în reviste indexate Web of Science-WoS (ISI)

1. D. Ursu, M. Vajda, **E. Ilies**, R. Ricman, M. Marinca, S. Bularka, M. Miclau, A. Gontean, "Towards the thermal stability of dye-sensitized solar cells for wavelength-selective greenhouses using the polymorphism of light-scattering layers", Sustainable Energy & Fuels, vol. 8, no. 1, pp. 54-63, Dec. 2023. DOI: 10.1039/d3se01084h. (**WOS:001114443100001**) (**Q2**) (citări WoS: 3; citări Google Scholar: 4).

2. S. Bularka, M. Vajda, **E. Ilies**, R. Ricman, M. Marinca, M. Miclau, A. Gontean, D. Ursu, "Photovoltaic Tiles for the Wavelength-Selective Greenhouse: Exploring Yellow and Green Dye-Sensitized Solar Cells in Outdoor Conditions", Applied Sciences, vol. 14, no. 5, Art. no. 1957, Mar. 2024. DOI: 10.3390/app14051957. (**WOS:001182768700001**) (**Q2**) (citări WoS: 4; citări Scopus: 5; citări Google Scholar: 7).

3. **E. Ilies**, M. Marinca, A. Gontean, "Post-Implementation Evaluation of CIC Filters for Digital Audio Applications on FPGA", Journal of Low Power Electronics and Applications, vol. 16, no. 1, Art. no. 5, Jan. 2026. DOI: 10.3390/jlpea16010005. (**WOS:001725709600001**) (**Q3)** (citări WoS: 0; citări Scopus: 0; citări Google Scholar: 0).

2. Lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

1. M. Marinca, **E. Ilies**, C. Barbulescu, A. Gontean, "In-circuit ESR Measurement Method for Electrolytic Capacitors", in Proc. IEEE 27th International Symposium for Design and Technology in Electronic Packaging (SIITME 2021), Timisoara, Romania, Oct. 2021, pp. 13-16. DOI: 10.1109/SIITME53254.2021.9663652. (**WOS:000786441900004**) (citări WoS: 0; citări Scopus: 0; citări Google Scholar: 0).

2. **E. Ilies**, M. Marinca, S. Bularka, M. Vajda, D. Albulescu, C. Seiculescu, "Proposal of Energy Independent Greenhouse", in Proc. IEEE 27th International Symposium for Design and Technology in Electronic Packaging (SIITME 2021), Timisoara, Romania, Oct. 2021, pp. 177-180. DOI: 10.1109/SIITME53254.2021.9663621. (**WOS:000786441900042**) (citări WoS: 1; citări Scopus: 1; citări Google Scholar: 1).

3. M. Vajda, D. Albulescu, D. Ursu, **E. Ilies**, M. Marinca, A. Gontean, N. Miclau, M. Miclau, N. Duteanu, "Effect of Water on the Photovoltaic Performance of TiO2 Based Dye-Sensitized Solar Cells Using I-/I3- Redox Couple", in Proc. IEEE 27th International Symposium for Design and Technology in Electronic Packaging (SIITME 2021), Timisoara, Romania, Oct lucrare publicată în 2021, pp. 181-184. DOI: 10.1109/SIITME53254.2021.9663424. (**WOS:000786441900043**) (citări WoS: 1; citări Google Scholar: 2).

4. C. Barbulescu, M. Marinca, **E. Ilies**, "In-circuit Signal Measurement Method for Interleave Uniformly Spaced Sampling", in Proc. IEEE 27th International Symposium for Design and Technology in Electronic Packaging (SIITME 2021), Timisoara, Romania, Oct. 2021, pp. 305-308. DOI: 10.1109/SIITME53254.2021.9663689. (**WOS:000786441900072**) (citări WoS: 0; citări Scopus: 0; citări Google Scholar: 0).

5. C. Barbulescu, M. Marinca, **E. Ilies**, "Microsystem for measuring audio PCB vibrations", in Proc. IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME 2022), Bucharest, Romania, Oct. 2022, pp. 44-47. DOI: 10.1109/SIITME56728.2022.9988618. (**WOS:000947243400011**) (citări WoS: 0; citări Scopus: 0; citări Google Scholar: 0).

6. M. Vajda, D. Albulescu, D. Ursu, **E. Ilies**, M. Marinca, A. Gontean, N. Miclau, N. Duteanu, S. Bularka, M. Miclau, "Preliminary study for outdoor testing: Effect of Moisture and Temperature on the Stability of UV Dye Sensitized Solar Cells", in Proc. IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME 2022), Bucharest, Romania, Oct. 2022, pp. 58-60. DOI: 10.1109/SIITME56728.2022.9987958. (**WOS:000947243400014**) (citări WoS: 1; citări Scopus: 2; citări Google Scholar: 3).

7. **E. Ilies**, M. Marinca, S. Bularka, R. Ricman, M. Vajda, D. Albulescu, "An Automated Data Acquisition System for the Characterization of Photovoltaic Cells", in Proc. IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME 2022), Bucharest, Romania, Oct. 2022, pp. 74-77. DOI: 10.1109/SIITME56728.2022.9987874. (**WOS:000947243400018**) (citări WoS: 1; citări Scopus: 1; citări Google Scholar: 0).

8. S. Bularka, **E. Ilies**, M. Marinca, R. Ricman, M. Vajda, D. Albulescu, "Study of Dye-Sensitized Solar Roof Tile under Partial Shading Conditions", in Proc. IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME 2022), Bucharest, Romania, Oct. 2022, pp. 205-208. DOI: 10.1109/SIITME56728.2022.9988633. (**WOS:000947243400047**) (citări WoS: 0; citări Scopus: 0; citări Google Scholar: 0).

3. Lucrări ştiinţifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)

4. Lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice (Proceedings) indexate BDI (cu specificarea BDI)

1. R. Ș. Ricman, M. Marinca, **E. Ilies**, S. Bularka, A. Gontean, D. Ursu, "Design and Implementation of a Greenhouse Monitoring and Control System", in Proc. 2023 46th International Spring Seminar on Electronics Technology (ISSE), May 2023, pp. 1-5. DOI: 10.1109/ISSE57496.2023.10168422. (**IEEE Xplore; Scopus**) (citări Scopus: 4; citări IEEE Xplore: 4; citări Google Scholar: 7).

2. A. Gontean, **E. Ilies**, M. Marinca, "New Custom Boards for Teaching Digital Design", in Proc. 2023 IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME), Oct. 2023, pp. 341-343. DOI: 10.1109/SIITME59799.2023.10431003. (**IEEE Xplore; Scopus**) (citări Scopus: 0; citări IEEE Xplore: 0; citări Google Scholar: 0).

3. M. Marinca, **E. Ilies**, A. Gontean, S. Bularka, C. Barbulescu, "Acoustic Vibration Measurement System based on a Microphone Array", in Proc. 2023 IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME), Oct. 2023, pp. 344-347. DOI: 10.1109/SIITME59799.2023.10431241. (**IEEE Xplore; Scopus**) (citări Scopus: 0; citări IEEE Xplore: 0; citări Google Scholar: 0).

4. **E. Ilies**, M. Marinca, A. Gontean, "CIC Filter Implementations for FPGA-Based PDM Microphone Systems Analysis", in Proc. 2024 International Symposium on Electronics and Telecommunications (ISETC), Nov. 2024, pp. 1-4. DOI: 10.1109/ISETC63109.2024.10797217. (**IEEE Xplore; Scopus**) (citări Scopus: 2; citări IEEE Xplore: 2; citări Google Scholar: 2).

5. Lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice internaţionale (Proceedings) din străinătate

6. Lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice

1. A. Gontean, A. Barbu, S. Matea, **E. Ilies**, M. Marinca, "Versatile PWM module used for cross-teaching", Technical Sciences, vol. 10, no. 2, pp. 233-244, 2025.

7. Brevete de invenție indexate WoS

1. D. H. Ursu, M. Miclau, M. Vajda, A. Gontean, **E. S. Ilies**, R. S. Ricman, and S. Bularka, "Independent and automated smart greenhouse with solar radiation selective absorption using solar cells sensitized with dye (DSSCs)," Romanian Patent RO 138605 A2, Jan. 30, 2025. (**Derwent/WoS ID: DIIDW:202590338M**).

2. D. H. Ursu, M. Miclau, M. Vajda, A. Gontean, **E. S. Ilies**, and S. Bularka, "Photovoltaic tiles based on dye-sensitized solar cells for smart greenhouses with solar radiation selective absorption," Romanian Patent RO 137863 A2, Dec. 29, 2023. (**Derwent/WoS ID: DIIDW:202559240M**).

3. **E. Ilies**, M. Marinca, C. Bărbulescu, and A. Gontean, "Programmable apparatus and method for ageing of electrolytic capacitors," Romanian Patent RO 137864 A2, Dec. 29, 2023. (**Derwent/WoS ID: DIIDW:202558104K**).

AVIZAT, Conducător științific	ÎNTOCMIT, Student doctorand
Prof.univ.dr.ing. Aurel GONTEAN	*ing. Elisei Ștefan ILIEȘ*