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## L I S T A

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A. Teza de doctorat

"Applications of spectrometry for special conditions chemical reactions", developed under the leadership of Acad.dr.eng. Mircea D. Banciu and completed under the direction Prof.dr.eng. Florin Badea, sustained in 2008.

Stagiu post-doctoral:

"Nanostructured composites based stable free radicals" developed under the leadership of Prof.dr.eng. Ecaterina Andronescu - completed in December 2015.

#### B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. F.Babarada, C.Ravariu, N.Bizon, D.E:Mihaiescu, M.Stanca, E.Manea, C.C.Parvulescu, PV Microgrids Efficiency: From Nanomaterials and Semiconductor Polymer Technologies for PV Cells to Global MPPT Control for PV Arrays, Springer International Publishing, 2020, 289-325, DOI:10.1007/978-3-030-23723-3\_12
2. C.Ravariu, E.Manea, F.Babarada, D.Ursutiu, D.E.Mihaiescu, Organic Compounds Integrated on Nanostructured Materials for Biomedical Applications, Springer International Publishing, 2019, 489-497, WOS:000455197300055.

#### C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Ravariu, C., Ursutiu, D., Mihaiescu, D., Morosan, A., Tanase, M., Tsiatsos, T., New Era of the Nano-Electronic Devices – One of the Most Adaptive Learning Areas for the Next Period, Advances in Intelligent Systems and Computing, 2021, 1192 AISC, pp. 25-35
2. Ravariu, C., Mihaiescu, D., Morosan, A., Vasile, B.S., Purcareanu, B., Sulpho-salicylic acid grafted to ferrite nanoparticles for N-type organic semiconductors, Nanomaterials, 2020, 10 (9), 1787, 1-10
3. Isopescu, R.D., Spulber, R., Josceanu, A.M., Mihaiescu, D.E., Popa, O., Romanian bee pollen classification and property modelling, Journal of Apicultural Research, 2020, 59(4), 443-451

4. Predoi, M.C., Mîndrilă, I., Buteică, S.A., Purcaru, S.O., Mihaiescu, D.E., Mărginean, O.M., Iron oxide/salicylic acid nanoparticles as potential therapy for B16F10 melanoma transplanted on the chick chorioallantoic membrane, *Processes*, 2020, 8(6), 706
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7. Ravariu, C., Mihaiescu, D.E., Morosan, A., Placinta, V., New steps for advancing the nothing on insulator triode 3nm gap and preliminary expanded technology, *Romanian Journal of Information Science and Technology*, 2020, 23 (2), pp. 127-139
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9. Ravariu, C., Bizon, N., Manea, E., Babarada, F., Parvulescu, C., Mihaiescu, D.E., Stanca, M., PV Microgrids Efficiency: From Nanomaterials and Semiconductor Polymer Technologies for PV Cells to Global MPPT Control for PV Arrays, *Power Systems*, 2020, pp. 289-325
10. Moroșan, A., MIHAIESCU, D.E., Istrati, D., Voicu, G., Radu, M., Hanganu, A., Stan, R., Functionalized silica shell magnetic nanoparticles for nanophase peptide synthesis applications, *Microporous and Mesoporous Materials*, 2019, 286, pp. 45-56
11. Ravariu, C., Manea, E., Parvulescu, C., Mihaiescu, D., Design of the technological flow to produce a planar variant of the nothing on insulator device and its tunneling conduction, *Journal of Nano Research*, 2019, 60, pp. 33-41
12. Ravariu, C., Manea, E., Parvulescu, C., Babarada, F., Popescu, A., Mihaiescu, D.E., Istrati, D., Technological aspects and simulation results for the Nothing on Insulator device developed into a planar technology, *Romanian Journal of Information Science and Technology*, 2019, 22 (1), pp. 57-68
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**D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (indexate/neindexate)**

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**Semnătura:**

