

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: **Științe Aplicate**

Departamentul: **FIZICĂ**

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Gradul didactic: **As. Univ.**

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

1. **NEGOITA, R. D.**, Ilisanu, M. A., Irimescu, I. N., Popescu, R. C., Tudor, M., Mihailescu, M., ... & Savu, D. (2024). Specific spectral sub-images for machine learning evaluation of optical differences between carbon ion and X ray radiation effects. *Heliyon*, 10(15).
2. Tudor, M., Popescu, R. C., **NEGOITA, R. D.**, Gilbert, A., Ilisanu, M. A., Temelie, M., Dinischiotu, A., Chevalier, F., Mihailescu, M., & Savu, D. (2023). In vitro hyperspectral biomarkers of human chondrosarcoma cells in nanoparticle-mediated radiosensitization using carbon ions. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-41991-9>
3. Mihailescu, M., Miclea, L. C., Pleava, A. M., Tarbă, N., Scarlat, E. I., **NEGOITA, R. D.**, Moiescu, M. G., & Savopol, T. (2023). Method for nanoparticles uptake evaluation based on double labeled fluorescent cells scanned in enhanced darkfield microscopy. *Biomedical Optics Express*, 14(6), 2796, WOS:001014778000004, <https://doi.org/10.1364/boe.490136>
4. Pleava, A. M., **NEGOITA, R. D.**, Ilisanu, M. A., Mihailescu, M., Morega, M., Calin, V. L., Scarlat, E. N., Paun, I. A. (2023). HOLOGRAPHIC MICROSCOPY OF CELL COMPARTMENTS TO BUILD REALISTIC MODELS FOR ELECTRIC FIELD SIMULATIONS. *Romanian Reports in Physics*, 75(1), WOS:000951079200001.
5. **NEGOITA, R. D.**, Ungureanu, M. A., Popescu, R. C., Pleava, A. M., Tudor, M., Dinischiotu, A., Savu, D., Mihailescu, M., & Scarlat, E. I. (2023). Signatures of irradiated cells from hyperspectral images. *Proceedings of SPIE - The International Society for Optical Engineering, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies XI*, Volume 12493, <https://doi.org/10.1117/12.2642654>