

1) Articole stiintifice scrise publicate in consortiu

- 1a -publicate deja fie in print fie electronic, sau manuscrite deja acceptate spre publicatie
- 1-Preclinical Evaluation of NHS-Activated Gold Nanoparticles Functionalized with Bombesin or Neurotensin-Like Peptides for Targeting Colon and Prostate Tumours, (2020) Chilug, L. E., Niculae, D., Leonte, R. A., Nan A., Turcu R., Mustaciosu C., Serban, R. M., Lavric, V., Manda G., *Molecules* 25 (15) 2020, pg 3363, DOI: [10.3390/molecules25153363](https://doi.org/10.3390/molecules25153363)
- 2- Poly(1-vinylimidazole) grafted on magnetic nanoparticles - attainment of novel nanostructures(2020) Nan A. and Turcu R., *Rev. Roum. Chim.*, 2020, 65(6), 611-616 [DOI: 10.33224/rch.2020.65.6.12](https://doi.org/10.33224/rch.2020.65.6.12)
- 3- Characterization of the Nuclear Magnetic Resonance Relaxivity of Gadolinium Functionalized Magnetic Nanoparticles(2020) Nan A. , Suciuc M., Ardelean I. , Şenilă M. and Turcu R. (2020), *Analytical Letters*, DOI: [10.1080/00032719.2020.1731522](https://doi.org/10.1080/00032719.2020.1731522)
- 4- Engaging health professionals and patients in the medical field: role of radiological protection culture and informed consent practices (2020) , C. Schieber, C. Pölzl-Viol, M.-C. Cantone, N. Železnik, S. Economides, R. Gschwind, B. Abelshausen, D. Savu, S. Lafage, L. Liutsko, S. Charron, C. Turcanu and R. Geysmans, *Radioprotection*, epub <https://doi.org/10.1051/radiopro/2020039>
- 5- Efficient uptake and retention of iron oxide-based nanoparticles in HeLa cells leads to an effective intracellular delivery of doxorubicin (2020) R. C. Popescu, D. Savu, I. Dorobantu, B. S. Vasile, H. Hosser, A. Boldeiu, M. Temelie, M. Straticiu, D. A. Iancu, E. Andronescu, F. Wenz, F. A. Giordano, C. Herskind and M. R. Veldwijk, *Sci Rep* 10 10530 <https://doi.org/10.1038/s41598-020-67207-y/>
- 6- Magnetic Nanoparticle Systems for Nanomedicine—A Materials Science Perspective(2020) Magnetochemistry/ Vlad Socoliuc , Davide Peddis, Viktor I. Petrenko, Mikhail V. Avdeev, Daniela Susan-Resiga, Tamas Szabó, Rodica Turcu, Etelka Tombácz and Ladislau Vékás [doi:10.3390/magnetochemistry6010002](https://doi.org/10.3390/magnetochemistry6010002)
- 7- The transcription factor NRF2 shapes the identity of radio-resistant tumor cells (2020) *Journal of Cell Identity*, G. Manda, A. Cuadrado , (2020) 1, pg 49-81, DOI: [10.47570/joci.2020.004](https://doi.org/10.47570/joci.2020.004)
- 8- Radiofrequency EMF irradiation effects on pre-B lymphocytes undergoing somatic recombination E. Ionita, A. Marcu, M. Temelie, D. Savu, M. Serbanescu and M. Ciubotaru *Sci Rep* 11, 12651 (2021) <https://doi.org/10.1038/s41598-021-91790-3>
- 9-Dobre M, Boscencu R, Neagoe IV, Surcel M, Milanese E, Manda G. Insight into the Web of Stress Responses Triggered at Gene Expression Level by Porphyrin-PDT in HT29 Human Colon Carcinoma Cells. *Pharmaceutics*. 2021 Jul 7;13(7):1032. doi:10.3390/pharmaceutics13071032. PMID: 34371724; PMCID: PMC8309054
- 10- Responsiveness assessment of cell cultures exposed to poly(tartaric acid) and its corresponding magnetic nanostructures, I-V. Ganea , A. Nan, A. Giorța, R. Turcu, C. Baciuc, *Journal of Molecular Structure* 1248, (2021), 131459, <https://doi.org/10.1016/j.molstruc.2021.131459>