

Articole publicate:

[1] R.C. Popescu, D.I. Savu, M. Bierbaum, A. Grbenicek, F. Schneider, H. Hosser, B.S. Vasile, E. Andronescu, F. Wenz, F.A. Giordano, C. Herskind, M.R. Veldwijk, Intracellular Delivery of Doxorubicin by Iron OxideBased Nano-Constructs Increases Clonogenic Inactivation of Ionizing Radiation in HeLa cells, *International Journal of Molecular Sciences*, 2021, 22(13), 6778, <https://doi.org/10.3390/ijms22136778>.

[2] Popescu R.C., Vasile B.S., Savu* D.I., Mogosanu G.D., Bejenaru L.E., Andronescu E.; Grumezescu, A.M., Mogoanta L., Influence of Polymer Shell Molecular Weight on Functionalized Iron Oxide Nanoparticles Morphology and In Vivo Biodistribution. *Pharmaceutics* 2022, 14, 1877. <https://doi.org/10.3390/pharmaceutics14091877>

Proceedings:

[1] Raluca D. Negoita, Mihaela A. Ungureanu, Roxana C. Popescu, Ana M. Pleava, Mihaela Tudor, AncaDinischiotu, Diana Savu, Mona Mihailescu, Eugen N. Scarlat, Signatures of irradiated cells from hyperspectral images, acceptat la *Advanced Topics in Optoelectronics, Micro and nanotechnologiesXI*, Proceedings of SPIE, editura SPIE-INT SOC OPTICAL ENGINEERING1000 20TH ST, PO BOX 10, BELLINGHAM, WA 98227-0010 USA, data aparitie:decembrie 2022

Prezentari la conferinte:Prezentari orale:

[1] R.C. Popescu, M. Tudor, D. Savu, Nanoparticle radiosensitization experiments at IFIN-HH, Romania; Ninth International Conference on Radiation in Various Fields of Research, 14-18 June 2021, Herceg Novi, Montenegro; DOI: 10.21175/rad.abstr.book.2021.4.5.

[2] M. Tudor, F. Chevalier, D.I. Savu, Charged Particle Irradiation Effects on Human Chondrosarcoma Cells, the 46th Annual Meeting of the European Radiation Research Society, 26-30 November 2021, Caen, France; Abstract ID: 369238;

[3] M. Tudor, R.C. Popescu, M. Temelie, F. Chevalier, D. Savu, Direct and bystander effects of human chondrosarcoma cell line irradiated with protons, Ninth International Conference on Radiation in Various Fields of Research, 14-18 June 2021, Herceg Novi, Montenegro; <https://doi.org/10.21175/rad.abstr.book.2021.32.21>

Prezentari poster:

[1] M Tudor, A Gilbert, M Temelie, A Dinischiotu, François Chevalier, et al. Analysis of ionizing radiation induced effects in radioresistant tumours and bystander normal cells. 46th FEBS Congress, Jul 2022, Lisbon, Portugal. fahal-03757272f, <https://2022congress.febs-iubmb-pabmb.org/abstracts-search#results>

[2] R. Negoita, Mona Mihailescu, M. Ungureanu, A. Pleava, E. Scarlat, R. Popescu, M. Tudor, D. Savu, ATOM-N, *Advanced Topics in Optoelectronics, Micro and nanotechnologies*, Constanța Romania, 25-28 sept 2022, <https://www.atom-n.ro/#OMN200-24>

[3] R.C. Popescu, W. Doerr and D. Savu, Improved cytotoxic effects of ionizing radiation in radioresistant tumor models using drug delivery nano-systems, ERRS 2022 - 47th Annual Meeting of the European Radiation Research Society, September 21st - 24th 2022, Catania, Italy. <https://easychair.org/smart-program/ERRS2022/2022-09-23.html>