

Drd. Maria-Roxana Cornoiu (Tudoroiu-Cornoiu)
Lista lucrări ce cuprind datele din teză

LISTA DE LUCRĂRI

1. **M.-R. Tudoroiu-Cornoiu**, R.M. Șerban, D. Cocioabă, D.A. Niculae, D. Drăgănescu, R. Leonte, A.C. Ion, D. Niculae, *⁸⁹Zr-Radiolabelling of p-NCS-Bz-DFO-Anti-HER2 Affibody Immunoconjugate: Characterization and Assessment of In Vitro Potential in HER2-Positive Breast Cancer Imaging*, *Pharmaceutics*, **17(6)**, (2025), 739, IF= 4.9.
2. D. Cocioabă, S. Băruță, L. Crăciun, R. Leonte, A. Necșoiu, **M.-R. Tudoroiu-Cornoiu**, A. Jipa and D. Niculae, (2025), *Optimized production of ⁸⁹Zr as a medical radioisotope on a variable energy cyclotron and external beam-line*, *EJNMMI Physics*, **12 (45)**, (2025), IF=3.0.
3. **M.R. Tudoroiu-Cornoiu**, E. L. Chilug, D. Cocioaba, S. Baruta, R. Șerban, A. C. Ion and D. Niculae, *Assessment of chromatography separation parameters in the quality control of copper-64-labeled neurotensin-like peptides*, *Journal of Radioanalytical and Nuclear Chemistry*, **333 (9)**, (2024), 1-13, IF=1.5.
4. **M.R. Tudoroiu-Cornoiu**, E. L. Chilug, D. Niculae, A. C. Ion, *Validation of a headspace gas chromatography method for volatile residual solvents identification in radioactive drugs*, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, **86(4)**, (2024), 1454-2331, 119-130, IF=0.3.
5. D. Cocioabă, A.I. Fonseca, R. Leonte, I. Hrynychak, **R. Tudoroiu-Cornoiu**, S.J.C. do Carmo, B. Burghilea, S. Băruță, A.R. Almeida, R. Șerban, A. Dinischiotu, A.J. Abrunhosa, D.Niculae, *Neurotensin (8-13) and Neuromedin N Neuropeptides Radiolabelling with Copper-64 Produced on Solid or Liquid Targets*, *Molecules*, **29(6)**, (2024), 1390, IF = 4.2.
6. R.M. Serban, D. Niculae, G. Manda, I. Neagoe, M. Dobre, D.A. Niculae, M. Temelie, C. Mustăciosu, R.A. Leonte, L.E. Chilug, **M.R. Cornoiu**, D. Cocioabă, M. Stan, A.Dinischiotu, *Modifications in cellular viability, DNA damage and stress responses inflicted in cancer cells by copper-64 ions*, *Frontiers in Medicine*, **10**, (2023),1197846, IF=3.1.
7. I. Hrynychak, D. Cocioabă, A.I. Fonseca, R. Leonte, S.J. do Carmo, **R. Cornoiu**, A. Falcão, D. Niculae, A.J. Abrunhosa, *Antibody and Nanobody Radiolabeling with Copper-64: Solid vs. Liquid Target Approach*, *Molecules*, **28(12)**, (2023), 4670, IF = 4.2.

ALTE LUCRĂRI

1. I. Ion, **R. Cornoiu**, T. Tofan, A.C. Ion, *Triclocarban partition coefficients in waters with different compositions*, *UPB Scientific Bulletin, Series B: Chemistry and Materials Science*, **86(3)**, (2024), 1454-2331, 99-110, IF = 0.3.

PARTICIPĂRI LA MANIFESTĂRI ȘTIINȚIFICE

1. Dana Niculae, **Maria-Roxana Tudoroiu-Cornoiu**, Radu Anton Leonte, Diana Cocioabă, Radu Șerban, Dragoș Andrei Niculae, Alina Catrinel Ion, *⁸⁹Zr-radiolabeling of p-NCS- Bz-DFO-anti-HER2 affibody immunoconjugate and in vitro assessment of its potential in HER2+ breast cancer imaging*, iSRS, Australia, 11-15 Mai 2025, prezentare poster.
2. Diana Cocioabă, Radu Leonte, **Roxana Tudoroiu-Cornoiu**, Bogdan Burghilea, Radu Șerban, Dragoș-Andrei Niculae, Simona Băruță, Andrei Necșoiu și Dana Niculae, *⁶⁴Cu and ⁸⁹Zr – emerging radioisotopes produced at Radiopharmaceutical Research Centre @IFIN-HH*, The 6th Romanian Congress of Nuclear Medicine together with the 2nd edition of International Conference of Applying Radionuclides in Therapy (ART), Brașov, România, 21 – 23 Martie 202, prezentare tip poster.
3. Andrei Necșoiu, Diana Cocioabă, Simona Băruță, **Roxana Tudoroiu-Cornoiu**, Radu Leonte, Dana Niculae, *Production, characterization and translation of radioisotopes of medical interest at the Radiopharmaceuticals Research Center (IFIN-HH, CCR)*, The 6th Romanian Congress of Nuclear Medicine together with the 2nd edition of International Conference of Applying Radionuclides in Therapy (ART), Brașov, România, 21 – 23 Martie 2024, prezentare tip poster.
4. Dana Niculae, Radu Șerban, Livia Chilug, Dragoș Andrei Niculae, Diana Cocioabă, **Maria-Roxana Cornoiu**, Anca Dinischiotu, Ionela Neagoe, Gina Manda, *Investigation of therapeutic effect, associated hypoxia and antioxidant signaling induced by copper-64 in colon carcinoma*, 25th iSRS, Honolulu, Hawaii, 22-26 Mai 2023, prezentare orală.
5. Ivanna Hrynychak, Diana Cocioabă, Radu Leonte, Magda Silva, **Roxana Cornoiu**, Dana Niculae, Antero Abrunhosa, *GMP Production of Copper-64 for antibody and nanobody radiolabeling: liquid vs solid target*, 25th iSRS, Honolulu, Hawaii, 22-26 Mai 2023, prezentare tip poster.
6. Diana Cocioabă, Radu Leonte, Bogdan Burghilea, **Roxana Cornoiu**, Radu Șerban, Alina Raicu, Simona Băruță, Andrei Necșoiu, Dana Niculae, *Pharmaceutical grade processing of ⁸⁹Zr and ⁶⁴Cu medical radioisotopes*, 10th Balkan Congress of Nuclear Medicine together with 5th Romanian Congress of Nuclear Medicine, București, România, 15 – 18 Martie 2023, prezentare tip poster + prezentare orală.
7. Radu Șerban, Dragoș Niculae, Ionela Neagoe, **Roxana Cornoiu**, Diana Cocioabă, Mihaela Temelie, Gina Manda, Anca Dinischiotu, Dana Niculae, *In vitro assessment of cellular response to the internal radiotherapy delivered by Auger-electron and beta emissions of Copper-64*, 10th Balkan Congress of Nuclear Medicine together with 5th Romanian Congress of Nuclear Medicine, București, România, 15 – 18 Martie 2023, prezentare tip poster + prezentare orală.
8. **Roxana Cornoiu**, Livia Chilug, Radu Șerban, Radu Leonte, Diana Cocioabă, Bogdan Burghilea, Alina Raicu, Dana Niculae, *Radiolabeling of peptides with copper-64 as part of drug development process*, 10th Balkan Congress of Nuclear Medicine together with 5th Romanian Congress of Nuclear Medicine, București, România, 15 – 18 Martie 2023, prezentare tip poster + prezentare orală.

9. Diana Cocioabă, Radu Leonte, Alexandra Fonseca, Bogdan Burghilea, **Roxana Cornoiu**, Livia Chilug, Antero Abruhnosa and Dana Niculae, *Comparative study on ^{64}Cu production on variable energy cyclotrons TR-19 (ACSI) /KIUBE (IBA) using solid and liquid targets*, European Symposium on Radiopharmacy and Radiopharmaceuticals, Verona, Italia, 24-27 Noiembrie 2022, prezentare orală.
10. Diana Cocioabă, **Roxana Cornoiu**, Radu Leonte, Bogdan Burghilea, Dana Niculae, *Optimization of the cyclotron radioisotopes production and purification process using an automated solid targets irradiation system*, European Nuclear Physics Conference (EuNPC), Santiago de Compostela, Spania, 24 – 28 Octombrie 2022, prezentare tip poster.
11. Livia Chilug, Dana Niculae, Radu Leonte, Gina Manda, Radu Serban, **Maria-Roxana Cornoiu**, *Preclinical assessment of nanoparticles conjugated with ^{64}Cu -DOTA-PEG-BBN targeting gastrin-releasing peptide receptors*, 24th International Symposium on Radiopharmaceutical Sciences, Nantes, Franța, 29 Mai - 2 Iunie 2022, prezentare tip poster.
12. Radu Serban, Dana Niculae, Gina Manda, Ionela Neagoe, **Roxana Cornoiu**, Dragos Niculae, Mihaela Temelie, Anca Dinischiotu, *Assessment of cellular response to internal radiotherapy delivery by Auger-electrons emissions of Cu-64*, Adaptation of the tumour and its ecosystem to radiotherapies, Le Bono, Vestul Franței, 22-25 Septembrie 2021, prezentare orală.
13. Radu A. Leonte, Diana S. Cocioabă, Ramona D. Dusman, Bogdan G. Burghilea, Simona I. Baruta, **Roxana M. Cornoiu**, Liviu S. Craciun, Dana Niculae, *Production of Cu-64 on an automated irradiation and processing system – Process validation*, Ninth International Conference on Radiation in Various Fields of Research (RAD), Herceg Novi, Muntenegru, 14-18 Iunie 2021, prezentare orală.