

ANDREEA R. BALINT



Personal

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fanaru.andreearoxana@yahoo.com
- Date of birth**
16-11-1995
- Gender**
Female
- Nationality**
Romanian
- Marital status**
Married
- Driving licence**
Categorie B
- LinkedIn**
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Languages

- English ● ● ● ● ●
- Spanish ● ● ● ● ●

Work experience

- Senior Medical Physicist - Radiotherapy** Sep 2024 - Present
[MNT Healthcare Europe SRL - Neolife Iasi, Iasi, Romania](#)
 - carrying out periodic checks (daily, monthly and yearly) of the irradiation parameters specified in the work process (time, dose, energy, beam homogeneity and symmetry, correct functioning of the electronic interlocking system etc.)
 - ensuring the proper functioning of the laboratory equipment so that it can be used in normal parameters and does not endanger the health and integrity of the staff and patients.
 - making, together with the radiation oncologist, the patient's treatment plan.
 - supervising the physicists team and also the radiation therapists one.
- Maternity Leave** Oct 2023 - Sep 2024
- Radiation protection officer** Sep 2022 - Oct 2023
[MNT Healthcare Europe SRL - Neolife Iasi, Iasi, Romania](#)
 - verifying all the measurements performed in the radiotherapy laboratory (daily, monthly, annual)
 - collaborating with the maintenance and service technical staff to maintain the installation in normal operating conditions.
 - monitoring the performance of the medical check-up upon employment and periodically for all professionally exposed personnel.
 - applying the measures regarding ensuring the security of the installations, the radiation protection of professionally exposed personnel and the surrounding area, provided in the legislation in force and in the issued authorization.
- Medical Physicist - Radiotherapy** Aug 2020 - Oct 2023
[MNT Healthcare Europe SRL - Neolife Iasi, Iasi, Romania](#)
 - carrying out periodic checks (daily, monthly and yearly) of the irradiation parameters specified in the work process (time, dose, energy, beam homogeneity and symmetry, correct functioning of the electronic interlocking system etc.)
 - ensuring the proper functioning of the laboratory equipment so that it can be used in normal parameters and does not endanger the health and integrity of the staff and patients.
 - making, together with the radiation oncologist, the patient's treatment plan.
- Project Administration Support** Apr 2019 - Aug 2020
[Vitesco Technologies, Iasi, Romania](#)
 - handling of customer debit notes (Disputes) due to quality complaints and the tracking of debit notes
 - processing within SAP
 - support for preparation of Customer visits for the minimization of customer disputes
 - tracking of Debit notes in connection with the customer by phone, written correspondence and customer visits
- Internship - Warranty Cost Management** Jan 2019 - Apr 2019
[Continental Automotive SRL, Iasi](#)
- Volunteer - Radiotherapy** Mar 2018 - Jun 2018
[Regional Oncology Institute - IRO, Iasi](#)
- Summer Practice** Jun 2016 - Sep 2016
[Physics Institute, Innsbruck, Austria](#)

Education and Qualifications

- PhD Student** Oct 2019 - Present
[Universitatea "Alexandru Ioan Cuza", Facultatea de Fizica, Iasi, Romania](#)
- Master Degree** Oct 2017 - Jul 2019
[Universitatea "Alexandru Ioan Cuza", Facultatea de Fizica, Iasi, Romania](#)

Publications

1. L. Popescu-Lipan, Fânaru Andreea, A. Leș, D. Creangă, Cobalt Ferrite Nanoparticles For Cleaning Phenol Loaded Wastewater, December 3rd, 2020 – ONLINE Abstract book of The Scientific Symposium Biology and Sustainable Development – Bacau, Romania, p.53
2. Andreea-Roxana Fânaru, M. Grigoras, G. Ababei, A. Leș, D. Creangă, Dye loaded wastewater cleaned with magnetic nanoparticles and ultraviolet radiation, comunicare poster, FTEM 24, Iași, Abstract book, pag.12
3. Andreea-Roxana Fânaru, L. Popescu Lipan, D. Creangă, Nanoparticule magnetice pentru epurarea apelor poluate cu coloranți, comunicare poster la conferința FarPhys 2021, Iași
4. Andreea Fanaru, Larisa Popescu, Anda Les, Dorina Creanga, Dana-Ortansa Dorohoi, Liviu Sacarescu, Magnetic nanoparticles interactions with wastewater pollutants, prezentare poster la ISSSMC, XXV Galyna Puchkovska International School-Seminar "Spectroscopy of Molecules and Crystals" (XXV ISSSMC) September 21-24, 2021 Kyiv, Ukraine <https://issmc.org.ua/en/archive/2021-xxv/scientific-program-xxv>
5. Andreea Roxana Fanaru Balint, M. Grigoras, G. Ababei, A. Les Agavriiloaei, D. Creanga, Wastewater cleaning with magnetic nanoparticles – the case of Rhodamine B, International Conference of the Doctoral Schools, mai, 2024, Iași, comunicare orală, Abstract book, p. 81
6. Andreea Roxana Fanaru Balint, G. Vochita, D. Gherghel, A. Agavriiloaei, D. Creanga, Study on the toxic effect of Rhodamine B on cell cultures, Conferința Națională de Biofizică, 2024, Iași, comunicare orală, <http://uaiasi.ro/cnb2024/>
7. Andreea Fanaru, A. Les, D. Creanga, D. Dorohoi, L. Sacarescu (2022) Magnetic nanoparticles interactions with wastewater pollutants, Molecular Crystals and Liquid Crystals, 749:1, 93-106, DOI: 10.1080/15421406.2022.2068476
8. A. R. Fanaru, M. Grigoras, G. Ababei, L.Oprica, D. Creanga, A study on the impact of magnetic nanoparticles on dye loaded wastewater -the case of Rhodamine B, Romanian Journal of Physics, 2024
9. G. Vochita, A. R. Fanaru-Balint, D. Gherghel, A. Agavriiloaei, D. Creanga, Rhodamine B toxicity in mammalian cell cultures - theoretical and experimental approach, Water, Air, and Soil Pollution, 2024.
10. Andreea FANARU, L. Popescu, D. Creangă, Water cleaning with magnetic nanoparticles, Rev. Fiz. Med., Volumul 7, Numarul 2, pp. 13-19, 2019, <https://sites.google.com/a/medicalphysics.ro/rfm/articole/2019>
11. C. Moroșanu, Andreea Roxana Fanaru, D. Creangă, Theoretical simulation of some molecules for the stabilization of magnetic nanoparticles in biocompatible suspensions for biomedical applications, Rev. Fiz. Med., Vol. 8, No. 3, pag.17-20, 2020, <https://sites.google.com/a/medicalphysics.ro/rfm/articole/2020>
12. Fânaru Andreea-Roxana, L. Popescu, L. Oprică, D. Creangă, Synthesis of Silver Suspensions for Various Applications -Laboratory Lessons for Master Students in Multidisciplinary Master Program, Rev. Șt. „V. Adamachi”, vol. XXVII, nr. 1-4, 2018, file:///D:/Downloads/Synthesis-of-Silver-Suspensions-for-Variou s-Applications-Laboratory-Lessons-for-Master-Students-in-Multidisciplinary-Master-Programs%20(1).pdf
13. Morosanu C, Popescu-Lipan L, Sacarescu L, Fanaru AR, Creanga D. Theoretical modeling and experimental study of sodium oleate properties for wastewater cleaning with magnetic nanoparticles stabilized with oleate. In E3S Web of Conferences, International Conference on Efficient Production and Processing (ICEPP-2021), St. Petersburg, Russia, (Vol. 247, p. 01025, 4pp). EDP Sciences. https://www.e3s-conferences.org/articles/e3sconf/abs/2021/23/e3sconf_icepp21_01025/e3sconf_icepp21_01025.html

Courses

CONFER	Nov 2023
CONFER	Nov 2022
AI 33 - Iea Congres al SRROM	Oct 2022
SGRT Community Meeting	Nov 2021