

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Alexandru Octavian PAVELESCU**

Address Bucharest, Romania

Telephone(s) Work Phone: +40 21 404 62 03 / Interior 5804 Mobile | - +40 722 *** **

E-mail(s) alexandru.pavelescu@nipne.ro

Nationality Romanian

Date of birth 1979-**-*

Gender Male

Work experience

Dates January 2021 - Present

Main activities and responsibilities **Technology Development Engineer II (IDT2) @ IFIN-HH, Department of Life and Environmental Sciences (DFVM)**

- Prognosis of nuclear incidents/accidents effects using numerical weather prediction (NWP) and geographical information system data (GIS);
- Evaluation of radioactive emissions in case of nuclear accidents using the European integrated JRODOS software system;
- Calculation of radioactive environmental dose rates and risk for radioactive materials using other software tools (ResRad Onsite, ResRAD Offsite, ResRad-Biota, Amber, Origen-S, MicroShield etc.)

Name and address of employer National Institute of Physics and Nuclear Engineering "Horia Hulubei" (IFIN-HH), Reactorului Street, No. 30, 077125 Magurele (Romania), www.nipne.ro

Dates November 2009 → December 2020

Main activities and responsibilities **Technology Development Engineer II (IDT2) @ IFIN-HH, Reactor Decommissioning Department (DDR):**

- Involved in VVR-S nuclear research reactor decommissioning;
- Assessment of radioactive wastes activities, quantities and costs;
- Evaluate pathways of exposure;
- Support for technical project management;

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| | - Compliance with nuclear legislation and regulatory norms imposed by national regulatory body. |
| Name and address of employer | National Institute of Physics and Nuclear Engineering "Horia Hulubei" (IFIN-HH), Reactorului Street, No. 30, 077125 Magurele (Romania), www.nipne.ro |
| Type of business or sector | Research and Development |
| Dates | 1 June 2018 – 1 December 2018 |
| Occupation or position held | Research Project Team Leader |
| Project Name | Evaluation of Intermediate Storage of Aluminium and Graphite Radioactive Wastes Resulted from Decommissioning of the IFIN-HH VVR-S Research Reactor using AMBER Simulation Code |
| Name and address of employer | Academy of Romanian Scientists (AOSR), Blv. Splaiul Independentei, No. 54., Sector 5, Bucharest, Romania Tel: 021 314 7491 http://www.aosr.ro/en/ |
| Dates | 1 June 2007 - 30 September 2007 |
| Occupation or position held | Research fellowship: |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Using computational tools and data libraries (setting up, production and application) for potential hazards factors; - Evaluate the radioactive inventories and dose rates for container-drums disposal; - Applications for Low Level Waste and High Level Waste containers. |
| Name and address of employer | Italian National Agency for Technology New Energy and the Sustainable Economic Development (ENEA), FIS-Met Laboratory, Bologna 76, Lungotevere Thaon di Revel, 00196 Rome (Italy) http://www.enea.it/en |
| Type of business or sector | Research and Development |
| Dates | 10 January 2006 - 3 July 2006 |
| Occupation or position held | Research Fellowship: |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Radiation source spectra calculations; - Support of safety assessment for radioactive contaminant transport; - Exposure dose rate evaluation. |
| Name and address of employer | Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) 76, Lungotevere Thaon di Revel, 00196 Rome (Italy) http://www.enea.it/en |
| Type of business or sector | Research and Development |
| Dates | 1 November 2003 - 22 May 2009 |
| Occupation or position held | Post-graduate (doctoral) student |
| Main activities and responsibilities | <ul style="list-style-type: none"> - Postgraduate research in radioactive waste management, characterization and final disposal of nuclear spent fuel; - Teaching assistant in the following courses: "Dosimetry", "Theory of Nuclear Reactors" and "Nuclear Processes". |
| Name and address of employer | University POLITEHNICA of Bucharest (UPB), Faculty of Power Engineering 313, Splaiul Independentei, 060042 Bucharest (Romania) www.upb.ro |
| Type of business or sector | Higher Education |

Education and training

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| Dates | 1 April – 12 April 2019 |
| Title of qualification awarded | Participation and Completion Diploma |
| Principal subjects / occupational skills covered | IAEA – ANL Interregional Training Course on Planning and Implementation of Nuclear Facility Decommissioning and Remediation of Radioactively Contaminated Sites (https://international.anl.gov/training/indexEA.asp) |
| Name and type of organisation providing education and training | International Atomic Energy Agency (IAEA) – Argonne National Laboratory (ANL), USA |
| Dates | 21-26 September 2015 |
| Title of qualification awarded | Participation Diploma |
| Principal subjects / occupational skills covered | 1st ELI–NP Summer School: Perspectives in Physics with High–Power Lasers and Gamma Beams (http://www.eli-np.ro/2015-summer-school/) |
| Name and type of organisation providing education and training | Extreme-Light Infrastructure – Nuclear Physics, Bucharest-Magurele, Romania, 30 Reactorului Street PO Box MG-6, Bucharest- Magurele, RO – 077125, Tel. 021 404 5099, secretar@eli-np.ro , |
| Dates | 2-3 July 2015 |
| Title of qualification awarded | Participation Diploma |
| Principal subjects / occupational skills covered | Course of Communications and Public Relations for Researches |
| Name and type of organisation providing education and training | Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH) Foundation for Democracy, Culture and Liberty, Bucharest Romania Magurele High Tech Cluster (MHTC) http://www.mhtc.ro/en/ |
| Dates | 22-26 June 2015 |
| Title of qualification awarded | Certificate of Attending |
| Principal subjects / occupational skills covered | International Workshop on the Implementation of Decommissioning Schemes under the Research Reactor Demonstration Project (R2D2P) |
| Name and type of organisation providing education and training | International Atomic Energy Agency (IAEA) Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH), Bucharest-Magurele, Romania |
| Dates | 19-23 May 2014 |
| Title of qualification awarded | Certificate of Participation |
| Principal subjects / occupational skills covered | IAEA RER 9120 Regional Workshop on Decommissioning of Soviet Type Research Reactors WSDECOM 2014, "Supporting Decommissioning Implementation for Facilities Using Radioactive Material" |
| Name and type of organisation providing education and training | International Atomic Energy Agency, Technical Cooperation Department, Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH), Bucharest-Magurele, Romania |
| Dates | 1 October 2011 – 11 November 2011 |
| Title of qualification awarded | Participation diploma |
| Principal subjects / occupational skills covered | International Course on Nuclear Spent Fuel Performance |
| Name and type of organisation providing education and training | IAEA Regional training course on nuclear fuel management and licensing: "Fuel performance, safety assessment and licensing in the ex-core nuclear cycle" International Atomic Energy Agency (IAEA) and National Commission for Nuclear Activities Control (CNCAN) under the IAEA TC Project RER 3008/004, Bucharest, Romania |

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| Dates | 4 July – 8 July 2011 |
| Title of qualification awarded | Participation diploma |
| Principal subjects / occupational skills covered | International Workshop “Review of IFIN-HH Research Reactor Decommissioning Plan” IAEA International “Research Reactor Decommissioning Demonstration Project” (R ² D ² P), Workshop No.10 |
| Name and type of organization providing education and training | International Atomic Energy Agency (IAEA) and IFIN-HH in Magurele-Bucharest, Romania |
| Dates | 26 May 2010 – 30 May 2010 |
| Title of qualification awarded | Participation diploma |
| Principal subjects / occupational skills covered | International Training Course for Radiation Emergency Preparedness and Response IAEA First Response to a Radiological Emergency, |
| Name and type of organisation providing education and training | International Atomic Energy Agency (IAEA) and National Commission for Nuclear Activities Control (CNCAN) under the EPR-First Responders/T 2009, Bucharest, Romania |
| Dates | 12 April 2010 – 16 April 2010 |
| Title of qualification awarded | National Workshop on Safety Culture Oversight |
| Principal subjects / occupational skills covered | Practical exercises on safety culture oversight, safety culture attributes, opportunities and methods for gathering data; process for analyzing and reporting, including establishment of criteria and formulation of recommendations. |
| Name and type of organisation providing education and training | International Atomic Energy Agency (IAEA), National Commission for Nuclear Activities Control (CNCAN) and Norwegian Radiation Protection Authority (NRPA) under the IAEA Regional Excellence Programme on Safe Nuclear Energy and Norwegian Cooperation Programme with Romania |
| Dates | 1 November 2003 - 22 May 2009 |
| Title of qualification awarded | Doctor in Engineering Sciences (14 August 2009) |
| Principal subjects / occupational skills covered | Doctoral thesis title: "Contributions to the Final Disposal Study of the High Level Wastes Produced by Cernavoda Nuclear Power Plant Located in Granitic Rock" |
| Name and type of organisation providing education and training | University “Politehnica” of Bucharest, Faculty of Power Engineering (Technical University) 313, Splaiul Independentei, 060042 Bucharest (Romania) |
| Level in national or international classification | 3rd place within national universities classification in 2007 ("Ad Astra" Research Association) |
| Dates | 17 November 2006 - 21 November 2006 |
| Title of qualification awarded | Graduation Diploma International Course on Radioactive Waste Management |
| Principal subjects / occupational skills covered | Training and specialization course, within the framework of EURATOM FP-6, organized by ESDRED, (Engineering Studies and Demonstrations in Repository Design) and ENEN (European Nuclear Education Network) |
| Name and type of organisation providing education and training | ESDRED, ENEN & UPB (Training and specialization course) 313, Splaiul Independentei, 060042 Bucharest (Romania) |
| Dates | 1 October 2003 - 10 July 2004 |
| Title of qualification awarded | Master in Radioprotection and Nuclear Safety |
| Principal subjects / occupational skills | - Specialization in radioprotection, dosimetry, nuclear processes and nuclear reactor theory; |

covered - Master thesis title: "Source Term Model for Spent Fuel from NPP Cernavoda Disposed in Granite rock"

Name and type of organisation providing education and training University "Politehnica" of Bucharest (Technical University)
313, Splaiul Independentei, 060042 Bucharest (Romania)

Dates 1 October 1998 - 20 June 2003

Title of qualification awarded **Engineer Diploma**

Principal subjects / occupational skills covered - Major specialization: Information technology applied to industry processes
- Minor specialization: Engineering of nuclear power plants.

Name and type of organisation providing education and training University "Politehnica" of Bucharest (Technical University)
313, Splaiul Independentei, 060042 Bucharest (Romania)

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment
European level ()*

English

French

Italian

Spanish

| Understanding | | | | Speaking | | | | Writing | |
|---------------|------------------|---------|------------------|--------------------|------------------|-------------------|------------------|---------|------------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C1 | Proficient user |
| B2 | Independent user | B2 | Independent user | B1 | Independent user | B1 | Independent user | B1 | Independent user |
| C2 | Proficient user | C2 | Proficient user | C1 | Proficient user | C1 | Proficient user | C1 | Proficient user |
| C1 | Proficient user | C1 | Proficient user | B2 | Independent user | B2 | Independent user | B2 | Independent user |

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences - Very good communication skills gained through my experience as teaching assistant;
- Very good team spirit suited for teamwork;
- Very good ability to adapt to multicultural environments, gained through my work experience abroad.

Organisational skills and competences - Experience in technical project management related to the decommissioning activities of the VVR-S nuclear research reactor.
- Organizing staff of the AIEA International Workshop Research Reactor Decommissioning Demonstration Project (R²D²P) organized by IFIN-H, Magurele-Bucharest, Romania, 2011
- Participation at several seminars and exchange forums of IGD-TP technology platform (Implementing Geological Disposal Technology Platform for Radioactive Wastes).
- Organizing staff of the International Symposium on Nuclear Energy (SIEN) 2007, Bucharest, Romania;

Technical skills and competences - Good command of operating various dosimetry and spectroscopy equipment;
- Good command of operating non-electrical measurements equipment such as: flow meters, thermal cameras, temperature probes.

Computer skills and competences - Good knowledge of JRODOS (modelling of nuclear accidents)
- Very good knowledge of ORIGEN (modelling of reactor fuel burnup and decay);
- Very good knowledge of MICROSHIELD (modelling of radioactive sources and shielding);
- Very good knowledge of AMBER (modelling of isotopes transport);
- Very good knowledge of RESRAD (modelling of nuclear accidents and contamination);
- Good knowledge of Mathcad (mathematical calculations);
- Good knowledge of MATLAB (mathematical calculations and simulations);

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| | - Good knowledge of Microsoft Visual C++ , Visual Basic for Applications and Project Manager; |
| Artistic skills and competences | Very good literary writing style |
| Other skills and competences | - Member of Romanian Association for Nuclear Energy (AREN - https://aren.ro/); - Member of Romanian Society for Radiological Protection (SRRP - https://srrp.ro/en/). |
| Marital status | Not married |
| Hobbies | - Practiced sports: running, ski, mountain biking, swimming, tennis; - Science-fiction literature |
| Driving licence(s) | B |

Alexandru Octavian PAVELESCU

Journal Articles, Conference and Workshop Presentations, Project Reports, Preparedness Exercises (latest to earliest):

1. P. Min, D. Serbanescu, B. I. Vamanu, V. T. Acasandrei, A. O. Pavelescu, V. Andronie-Radulescu, D. Seftiuc, R. Mocanu "Assessment of Potential Radiological Consequences in the Case of an Incident at the Zaporizhzhia Nuclear Power Station, Ukraine", Euro-Atlantic Resilience Journal (E-ARJ), ISSN 2972-158X, ISSN-L 2972-158X Volume 1, No. 2, December 2023, Societal Resilience and its Enemies;
<https://e-arc.ro/2024/01/15/assessment-of-potential-radiological-consequences-in-the-case-of-an-incident-at-the-zaporizhzhia-nuclear-power-station-ukraine/>
2. B. Vamanu, P. Min, V. T. Acasandrei, A.O. Pavelescu "Scientific and Evidence-Based Support in Emergency Preparedness and Resilience Strengthening, Under Volatility and Uncertainty", The NATO Science for Peace and Security Programme, Advanced Research Workshop "Regional Strategy for Medical Response as Part of the Disaster Management in Case of Radiation Emergency Caused by the War in Ukraine", Bucharest, Hotel Marshall Garden, 19-21 September, 2023
https://media.defenseromania.ro/other/202309/nato-arw-book_25235200.pdf
3. A.O. Pavelescu, B.I. Vamanu, V.T. Acasandrei, "Comparative Re-Analysis Evaluation of the Fukushima Accident Atmospheric Radioactive Emissions", Journal of Radiation Protection Dosimetry May 2023, 199(8-9):872-881,
DOI: <https://doi.org/10.1093/rpd/ncad088>
4. A.O. Pavelescu, V.T. Acasandrei, B. I. Vamanu, D.V. Vamanu, M. Pavelescu, "Determination of Potential Areas of Influence on the Romanian Territory of Ukrainian Nuclear Power Plants in the Context of the crisis generated by the Russian-Ukrainian Conflict", Annals of the Academy of Romanian Scientists Series on Physics and Chemistry Sciences ISSN 2537-4761, Volume 8, Number 1/2023
DOI: <https://doi.org/10.56082/annalsarscimath.2023.1.26>
<https://www.aos.ro/wp-content/anale/PCVol8Nr1Art.2.pdf>
5. P.C. MIN, B. VAMANU, V. ACASANDREI, A. PAVELESCU, D. DUPLAC, C. DULAMA, A. MIN, "GLERURN Romania Final Report of IAEA Coordinated Research Project on the Effective Use of Dose Projection Tools in the Preparedness and Response to Nuclear and Radiological Emergencies (CRP J15002). Analysis and evaluation of RODOS outputs used in the Preparedness and Response of Nuclear and Radiological Emergency" November 2019 - March 2023;
<https://www.iaea.org/projects/crp/j15002>
6. B. I. Vamanu, V.T. Acasandrei, A.O. Pavelescu, "Evaluarea potențialelor consecințe în urma eliberărilor de radioactivitate provenite de la Centrala Nucleară South Ukraine în cazul celui mai nefavorabil scenariu", Raport către Grupul de Lucru pentru Evaluarea Riscurilor privind Urgențele Nucleare și Radiologice (GLERURN) din cadrul Comisiei Naționale pentru Controlul Activităților Nucleare (CNCAN), 10 noiembrie 2022;
<http://www.cncan.ro/grup-de-lucru/>
7. A.O. Pavelescu, V.T. Acasandrei, B. I. Vamanu, "Determinarea zonelor potențiale de influență pe teritoriul României a centralelor nucleare ucrainene în contextul crizei generate de conflictul ruso-ucrainean", Conferința națională științifică de toamnă a AOSR 2022, "Rolul științei în soluționarea crizelor contemporane" 3-5 noiembrie 2022, Cluj-Napoca, Romania;
<https://www.aosr.ro/wp-content/uploads/2022/11/FINAL-site-VOLUM-DE-REZUMATE-toamna-2022-Editura-AOSR-1.pdf>
8. B.I. Vamanu, V.T. Acasandrei, A.O. Pavelescu, "Evaluarea potențialelor consecințe în urma eliberărilor de radioactivitate provenite de la Centrala Nucleară Zaporijie", Raport către Grupul de Lucru pentru Evaluarea Riscurilor privind Urgențele Nucleare și Radiologice (GLERURN) din cadrul Comisiei Naționale pentru Controlul Activităților Nucleare (CNCAN), 26 august 2022;
<http://www.cncan.ro/grup-de-lucru/>
9. A.O. PAVELESCU, B.I. VAMANU, V.T. ACASANDREI, "Comparative Re-Analysis Evaluation of The Fukushima Accident Atmospheric Radioactive Emissions", 6th European Congress on Radiation Protection (IRPA 2022)", 30 May – 3 June 2022 Budapest, Hungary, Oral talks – T09: Radioactivity monitoring and emergency monitoring, Page 115.
<https://static.akcongress.com/downloads/>
10. A.O. PAVELESCU, C. TUCA, "Radiological Risk Assessment for VVR-S Research Reactor Radioactive Effluents Underground Buffer Tank Dismantling", 6th European Congress on Radiation Protection (IRPA 2022), 30 May – 3 June 2022 Budapest, Hungary, Poster presentations – T05: Radioecology, Page 191
<https://static.akcongress.com/downloads/irpa/irpa2022-boa.pdf>
11. A.O. Pavelescu, M. Pavelescu, "Estimation of Radiological Consequences for a Hypothetical Radioactive Release at Cernavoda NPP", Annals of the Academy of Romanian Scientists Series on Physics and Chemistry Sciences ISSN 2559 – 1061 Volume 7, Number 1/2022;
DOI: <https://doi.org/10.56082/annalsarsciphyschem.2022.1.140>,
<https://www.aos.ro/wp-content/anale/PCVol7Nr1Art.6.pdf>
12. A.O. Pavelescu, V.T. Acasandrei, B. I. Vamanu, P. Min, "Stadiul actual și perspectivele implementării în România ale sistemelor informatice pentru suport în luarea deciziei în situații de urgență nucleară", Volumul de lucrări al Conferinței Naționale a Societății Române de Radioprotecție SRRp 2021 cu tema "Noi concepte, reglementări și evaluări în domeniul protecției radiologice în practicile actuale", Vineri 22 octombrie 2021, pagina 37, Editura Etna, ISBN 978-973-1985-75-6;
<https://srrp.ro/wp-content/uploads/2021/12/Conferinta-Nationala-SRRp-2021-A4-ver.7-finala.pdf>
13. C. Tuca, A. Pavelescu "Comparative Dose Rate Assessment for VVR-S Nuclear Research Reactor Hot Cells Decontamination", 15th International Congress of The International Radiation Protection Association (IRPA15), On-line (Virtual Congress), Seoul, Korea, 18 January - 5 February, 2021, Pre-recorded oral presentation (<https://www.irpa2020.org/>);

14. A. O. Pavelescu, C. Tuca, R. Deju, *Modelling of a Radiological Incident in the Intermediary Storage of activated wastes from VVR-S nuclear research Reactor Decommissioning*, Oral presentation in Seventh International Conference on Radiation in Various Fields of Research (RAD 2019), 10-14 June 2019, Herceg Novi, Montenegro, (<https://www.rad2019.rad-conference.org/welcome.php>);
15. C. Tuca, A. O. Pavelescu, R. Deju, *Dose Assessment in Decontamination Process of The hot cells From VVR-S Nuclear Research Reactor under Decommissioning*, Oral presentation in Seventh International Conference on Radiation in Various Fields of Research (RAD 2019), 10-14 June 2019, Herceg Novi, Montenegro; (<https://www.rad2019.rad-conference.org/welcome.php>);
16. C. Tuca, A. Zorliu, A. O. Pavelescu, R. Deju, *Dose Assessment for the workers performing the dismantling of a VVR- S Nuclear Research Reactor Block*, Proceedings of the 50th Annual Meeting on Nuclear Technology (AMNT 2019), 7-8 May 2019, Estrel Convention Center, Berlin; (<https://www.kernd.de/kernd/shop/tagungsbaende/>)
17. A. O. Pavelescu, C. Tuca. *Intermediate Storage And Long-Term Evaluation For Graphite And Aluminum Wastes Resulted From A VVR-S Type Research Reactor Decommissioning*, Proceedings 50th Annual Meeting on Nuclear Technology (AMNT 2019), 7-8 May 2019, Estrel Convention Center, Berlin; (<https://www.kernd.de/kernd/shop/tagungsbaende/>)
18. C. Tuca, A. O. Pavelescu, Invited speakers with the paper: „*Preparatory steps for VVR-S Nuclear Research Reactor Hot Cells Dismantling*”, in conference “Nuclear and Radiation Chemistry Innovations and Current Advancements in Nuclear and Radiation Chemistry, 16-17 April, 2019, Rome, Italy;
19. A. O. Pavelescu, C. Tuca, *Evaluarea inventarelor de activitate a deșeurilor radioactive de aluminiu și grafit rezultate din dezafectarea reactorului de cercetare de tip VVR-S al IFIN – HH*, CONFERINȚA ȘTIINȚIFICĂ DE TOAMNĂ a AOSR, Prezentare orală în Conferința Cercetarea științifică în serviciul dezvoltării durabile, 21-22 septembrie 2018, Târgoviște
20. A. O. Pavelescu, D. Gurau, *Evaluation of the radionuclides transport in concrete using spectrometric data measured in the IFIN-HH VVR-S research reactor building*, Romanian Journal of Physics, Publishing House of The Romanian Academy, In press, Received September 26, 2018;
21. I. Iorga, R. Deju , A.O. Pavelescu and D. Gurau *Technical Methodology to Evaluate the Decommissioning of the Contaminated Underground Structures Belonging to the VVR-S Nuclear Research Reactor*, ACTA PHYSICA POLONICA A, Vol. 134 (2018), No. 1, December 2018, Special Issue of the 7th International Advances in Applied Physics and Materials Science (APMAS 2017); DOI: <http://doi.org/10.12693/APhysPolA.134.311>
<http://przyrbwn.icm.edu.pl/APP/PDF/134/app134z1p081.pdf>
22. A. O. Pavelescu, D. Gurau, *Evaluation of Radionuclides Transport in Concrete Using Spectrometric Data Measured in the IFIN-HH VVR-S Research Reactor Building*, Prezentare orală în Sesiunea Științifică de Toamnă 2017 a Academiei Oamenilor de Știință din România, Cercetarea Științifică în Sprijinul Cercetării Durabile Biblioteca Universității Politehnice Timișoara Facultatea de Electrotehnică, 12-14 octombrie 2017;
23. A. O. Pavelescu, I. Iorga, R. Deju, M. Dragusin, *Total effective dose equivalent assessment using RESRAD code for the dismantling operations of the aluminium vessel of the IFIN-HH VVR-S reactor from Magurele, Romania*, 17th International Balkan Workshop on Applied Physics and Material Sciences (IBWAP 2017), 11-14 of July 2017, Constanta, Romania
24. A. O. Pavelescu, I. Iorga, R. Deju, M. Dragusin, *Total Effective Dose Equivalent Assessment using RESRAD Code for the VVR - S Reactor Block Concrete Shielding Dismantling from IFIN-HH Magurele Bucharest*, The 10th Annual International Conference on Sustainable Development through Nuclear Research and Education (NUCLEAR 2017), 24-26 May, 2017, Pitesti, Romania
https://www.nuclear.ro/conference/nuclear%202017/N2017_Conference%20Program.pdf
25. I. Iorga, A.O. Pavelescu, R. Deju, M. Dragusin, *Integrated Approach Using SAFRAN Code for Safety Assessment Framework of the Radioactive Wastes Resulted from the IFIN-HH*, The 10th Annual International Conference on Sustainable Development through Nuclear Research and Education (NUCLEAR 2017), 24-26 May, 2017, Pitesti, Romania,
www.nuclear.ro/conference/nuclear%202017/N2017_Conference%20Program.pdf
26. Iorga, D Gurau, A Pavelescu, D Radu, M Dragusin, *Lesson learned and sample preparation in onsite survey for decommissioned underground radioactive effluents pipes from the IFIN-HH VVR-S nuclear research reactor*, 9th International Balkan School on Nuclear Physics July 10 - July 17, 2016 Constanta, Romania, <http://ibsnp2016.nipne.ro/>
27. A.O. Pavelescu, I. Zorliu, *Decontamination of the VVR-S Reactor Hot-Cells*, International Workshop on the Implementation of Decommissioning Schemes under the Research Reactor Demonstration Project (R2D2P), International Atomic Energy Agency (IAEA), Bucharest-Magurele, Romania, 22-26 June 2015; ([IAEA Workshop Link](http://www-ns.iaea.org/projects/r2d2project/)) <http://www-ns.iaea.org/projects/r2d2project/>
28. M. Pavelescu, A. O. Pavelescu *Consideration on the Future Civilizations*, Academy of Romanian Scientists Annals, Physics Series, vol. 4, nr. 1, 2014;
29. A. O. Pavelescu, *Transmutation of Nuclear Materials Using High Power Lasers - Potential Application for Radioactive Wastes Treatment at ELI-NP Research Facility*, Academy of Romanian Scientists Annals, Physics Series, vol. 4, nr. 1, 2014, ISSN 2066 – 7191; <http://aos.ro/editura/analeleaosr/annals-on-physics/>
30. I.Iorga, A.O.Pavelescu, M.Dragusin, D.Gurau, *Radiological characterization of the decommissioned underground radioactive effluents pipes from the IFIN-HH VVR-S nuclear research reactor*, The 14th International Balkan Workshop on Applied Physics,

Bucharest, Romania, July 2-4, 2014; <http://www.ibwap.ro/2015/uploads/template/IBWAP%202014%20-%20Book%20of%20Abstracts.pdf>

31. I. Iorga, A. O. Pavelescu, M. Dragusin, "ALARA Principle Application in the Decommissioning Activities of the Underground Radioactive Effluents Pipes from the IFIN-HH VVR-S Research Reactor", The 13th International Balkan Workshop on Applied Physics (IBWAP 2013), 4-6 of July, 2013; http://www.ibwap.ro/2013/uploads/letter/accepted_abstracts_5.pdf;
32. A.O. Pavelescu, M. Dragusin, "Clean-up and Decontamination of Hot-Cells from the IFIN-HH VVR-S Research Reactor", Chapter 9 in open access online book "Radioactive Wastes", INTECH open access publisher of Scientific Books and Journals, ISBN 978-953-51-0551-0, (2012); <http://www.intechopen.com/books/radioactive-waste/clean-up-and-decontaminantion-of-hot-cells-from-the-ifin-hh-vvr-s-research-reactor>
33. A.O. Pavelescu, I. Iorga, M. Dragusin, "Risk Assessment for the Hot-Cells of the Magurele VVR-S Research Reactor", Proceedings of the 2nd European Nuclear Physics Conference (EUNPC 2012), 17-21 of September 2012, Bucharest, Romania, 2012; <http://www.nipne.ro/eunpc2012/>
34. A.O. Pavelescu, V. Popa, M. Dragusin, "Modelling of the Dose Rates and Risks Arising from Hot-cells Clean-up Activities in the Decommissioning of the VVR-S Research Reactor", Romanian Reports in Physics, Vol. 64, No. 1/2012, ISSN 1221-1451, (2012); http://rrp.infim.ro/2012_64_1.html
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