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Journal, Conference and Workshop Articles:

1. A.O. Pavulescu, D. Gurau, *Evaluation of radionuclide transport in concrete using spectrometric data measured in the pump room of the IFIN-HH VVR-S Research Reactor*, Sesiunea de comunicari stiintifice "Cercetarea stiintifică în sprijinul dezvoltării durabile" - organizata de Academia Oamenilor de Știință din România, 12-14 Octombrie 2017, Timisoara, Romania;
2. A.O. Pavulescu, D. Gurau, *Assessment of radioactivity levels and dose rates in the IFIN-HH VVR-S former dry fuel spent fuel facility (DNCU) in case of a potential long term utilization as a repository for activated graphite and aluminum* (to be published in an ISI Journal)
3. A. O. Pavulescu, 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
4. I. Iorga, A.O. Pavulescu, 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
5. Iorga, D Gurau, A Pavulescu, 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/>
6. A.O. Pavulescu, 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/>
7. M. Pavulescu, A. O. Pavulescu *Consideration on the Future Civilizations*, Academy of Romanian Scientists Annals, Physics Series, vol. 4, nr. 1, 2014;
8. A. O. Pavulescu, *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/>
9. I.Iorga, A.O.Pavulescu, 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>
10. I. Iorga, A. O. Pavulescu, 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;
11. A.O. Pavulescu, 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>
12. A.O. Pavulescu, 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/>
13. A.O. Pavulescu, 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,

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14. A.O. Pavelescu, M. Dragusin, "Assessment of environmental risks due to the clean-up activities of the depleted uranium containers fabrication workshop from the IFIN-HH VVR-S research reactor", Proceedings of International Symposium on Nuclear Energy (SIEN 2011), 16-20 October 2011, Bucharest, Romania, (2011); <http://www.sien.ro/papers.php>
 15. M. Dragusin, A. O. Pavelescu, I. Iorga, "Good practices in Decommissioning Planning and Pre-decommissioning Activities for the Magurele VVR-S Nuclear Research Reactor", Nuclear Technology & Radiation Protection", Vol. 26, No.1, pp. 84-91, April 2011, ISSN 1451-3994, (2011); http://ntrp.vinca.rs/2011_1/Dragusin2011_1.html
 16. M. Dragusin, I. Iorga, A. Pavelescu, "Safety Culture approach at IFIN-HH VVR-S Nuclear Research Reactor", National Workshop to define Safety Culture Oversight Programme, IAEA and NRPA (Norwegian Radiation Protection Authority), 12-20 April, (2010); <http://www-ns.iaea.org/meetings/default.asp?me=sa&yr=2010&submit=>
 17. M. Dragusin, I. Iorga, A. Pavelescu "Elaboration of the cost calculation methodology for the radwaste generated by the decommissioning of the VVR-S Magurele research reactor", Proceedings of the European Energy Conference, ENC 2010, Barcelona, 20-23 of April (2010); <http://physics-edu.org/continental-drift.pdf>
 18. A. O. Pavelescu, "Analysis of the Final Disposal Systems of the Radioactive Wastes in Granite Rock", Publishing House of the Academy of Romanian Scientist, ISBN 978-606-92161-2-5 (2009); [http://www.aos.ro/site_mod/Editura/2012/CatalogulPublicatiilor>EdituraAOSR.pdf](http://www.aos.ro/site_mod/Editura/2012/CatalogulPublicatiilor/EdituraAOSR.pdf)
 19. A. O. Pavelescu, D. G. Cefruga, R. Tinti, K. Voukelatou "Estimation of clearance potential index and hazard factors of CANDU fuel bundle and its validation based on the measurements of radioisotopes inventories from Pickering reactor fuel", Proceedings of the 11th International Conference on Environmental Remediation and Radioactive Waste Management, ICEM 2007, Bruges, Belgium September 2-6, ISBN 978-0-7918-4339-0 ; http://www.osti.gov/energycitations/product.biblio.jsp?osti_id=21156300
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 21. Nineta Balas, Alexandru Pavelescu, "The Environmental Impact of Nuclear Spent Fuel from Cernavoda Nuclear Power Plant", Romanian Nuclear Energy Magazine, Vol.19, No 1-2, ISSN 1220-5508; p. 23-31, (2007); http://www.aren.ro/ro_revista_energia.htm
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 24. A.O. Pavelescu, N. Danila, G. Sindilaru, "Performance evaluation for a final hypothetical repository system for low and medium radioactive waste located in granite rock", University "Politehnica" of Bucharest Science Bulletin, Series C, Vol. 69, No. 1, ISSN 1454-234x, (2007); http://www.scientificbulletin.upb.ro/Arhiva_2007/Seria-C/Nr1-2007.pdf
 25. A. O. Pavelescu, I. Prisecaru, I. Stefanescu , "Elaboration of a calculation code for estimating the global inventory of tritium from the ICSI pilot installation", Proceedings of the International Symposium on Nuclear Energy, SIEN 2007, "Nuclear Power, A New Challenge", October 14-19, (2007) http://www.aren.ro/program_SIEN_2007.pdf
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