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1. **Lucan D., Velciu L.** Gheorghita Jinescu - *The Synergistic Impurities Effect on the CANDU Steam Generator Corrosion* – Revista de Chimie, ISSN 0034-7752, 67, No. 4, p. 603-608, Aprilie 2016
2. **Maria Mihalache, Iulia Dumitrescu** - *Protectiveness assessment of oxides grown in supercritical water on MA 956 ODS Steel* - Revista de chimie No.8/2016, ISSN 0034-7752, vol.8, August 2016
3. Nadja Železnik, **Marin Constantin**, Nina Schneider, Claire Mays, Grazyna Zakrzewska and **Daniela Diaconu** - *Lay public mental models of ionizing radiation: representations and risk perception in four European countries* - Journal of Radiological Protection, pISSN: 0952-4746, eISSN: 1361-6498 Vol.36, No.2, Iunie 2016
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5. **M. Dianu, M. Iordache** - *Fluorimetry compared to spectrophotometry for uranium evaluation in liquid waste* - International Journal of Environmental Analytical Chemistry, pISSN 0306-7319; eISSN 1369-1619, vol. 96, Nr.4, pp. 373-386, 2016
6. V. Malinovschi, **A. Marin, M. Mihalache**, I. Iosub - *Preparation and characterization of coatings on carbon steel obtained by PEO in silicate/carbonate electrolyte* - Surface and Coatings Technology, ISSN: 0257-8972, 296, 96-103 (IF= 2.139)
7. Andrei, V. A., **Coaca, E., Mihalache, M.**, Malinovschi, V., and **Patrascu-Minca, M.** - *Study of ceramic-like aluminum oxide thin films developed using plasma electrolytic oxidation applied on austenitic steels* - Surface Interface Analysis, ISSN: 0142-2421, 48, 654–659 (F.I.=1.018), 201
8. R. Veres, D.L. Trandafir, K. Magyari, S. Simon, **D. Barbos**, V. Simon - *Gamma irradiation effect on bioactive glasses synthesized with polyethylene-glycol template* - Ceramics International, ISSN 0272-8842, Volume 42, Issue1,Part.B, Pages, 1990-1997, January, 2016
9. **C. Truta, M. Ciocanescu, A. Amzoi** - *Issues in Manufacture and Qualification of Specialty Brazed Joints for Nuclear Applications* – Advanced Materials Research, Vol 1138, pp. 37-42, TransTech Ltd., Switzerland

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83. **A.C. Răduț, M.R. Roman, S. Florea, D.V. Ionescu, G. Olteanu, S. Valeca** - *Assessments of the Thermal Evolution for a Radioactive Waste Final Repository using Analytical Methods* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
84. **G. Ghita, I. Prisecaru, S. Ionescu** - *Conversion Software for ANSYS APDL 2 FLUENT MHD Magnetic File* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
85. **A.M. Segarceanu, M. Constantin, S.C. Valeca** - *Influence of Some Parameters on the Void Reactivity* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
86. **Dumitru Barbos, A. F. Bucsa** - *Neutron Activation Analysis Method–International Ring Test For Proficiency Assessment* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
87. **E.A. Nitescu; A.F. Bucsa** - *Application of Neutron Activation Analysis method on biomonitors for assessing environment quality* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
88. **A. V. Aldea** - *Process Controller for Induction Vacuum Brazing* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955

89. Madalin Savu, **S. C. Valeca, Adrian Amzoi** – *Vacuum Brazing Techniques for Irradiation Devices at TRIGA Research Reactor* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
90. **M. Dinca**, L. D. Mitrea - *Comparative Examination of the Fresh and Spent Nuclear TRIGA Fuel by Neutron Radiography* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
91. L. D. Mitrea, **S.C. Valeca, M. Dinca** - *Fresh Fuel Investigation Using the Dry Neutron Radiography Facility* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
92. **Alex Pulpa**, Catalin Parvu, **S.C. Valeca, M. Acuta, Emil Ana** – *Application of Neutron Activation Analysis Method on Biomonitoring for Assessing Environment Quality* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
93. Ghita Alexandru, **S.C. Valeca, Ana Maria Ivan** – *Radioactive Waste Resulted from Fission ⁹⁹Mo Production* - NUCLEAR 2016 - The 9th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 18-20, 2016, Pitesti, Romania, ISSN 2066-2955
94. **Silviu Ionescu, Marin Mincu, Razvan Marinescu**, Ilie Prisecaru - *Robot for In-Service Inspection of Candu Pressure Tube* - 13th Wec Central & Eastern Europe Regional Energy Forum - FOREN 2016, Vox Maris Grand Resort, Costinesti, România, 12-16 June 2016
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96. **Ion Man, Silviu Ionescu, Marin Mincu, Octavian Uță** - *Preparation of C-shaped samples out of irradiated CANDU pressure tube for mechanical tests using the numerical controlled milling machine* - 13th Wec Central & Eastern Europe Regional Energy Forum - FOREN 2016, Vox Maris Grand Resort, Costinesti, România, 12-16 June 2016
97. **Ovidiu Ichim, Marin Mincu, Ion Man, Mirel Stănică** - *Use of "Gamma scanning" technique in non-destructive examination of irradiated fuel elements* - 13th Wec Central & Eastern Europe Regional Energy Forum - FOREN 2016, Vox Maris Grand Resort, Costinesti, România, 12-16 June 2016
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104. **D. Diaconu, M. Constantin**, G.Grasso, F.DiGabriele - *Key Outcomes of the FP7-ARCADIA Project in Support of ALFRED Implementation* - 13th Wec Central & Eastern Europe Regional Energy Forum - FOREN 2016, Vox Maris Grand Resort, Costinesti, România, 12-16 June 2016
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110. **S. Ionescu, G. Ghita** - *Remote controlled robot for visual inspection and sampling of the interior of CANDU pressure tubes* - 13th Wec Central & Eastern Europe Regional Energy Forum - FOREN 2016, Vox Maris Grand Resort, Costinesti, România, 12-16 June 2016
111. **Irina Paraschiv, Paula Cărlan** - *The Behaviour of C25/30 Concrete used for Cernavoda NPP Spent Fuel Pools Infrastructure under Thermal Stress Conditions in Wet Environment* - 21st National Conference with international participation "Progress in Cryogenics and Isotopes Separation", Romania, Călimanesti-Căciulata Resort, Vâlcea County, October, 19-21, 2016 Vol. 19, Issue 2/2016
112. **Iulia Dumitrescu, Maria Mihalache, Mariana Tunaru** - *Characterization Of Corrosion Deposits on Candu Steam Generators using Laser Diffraction* - 21st National Conference with international participation "Progress in Cryogenics and Isotopes Separation", Romania, Călimanesti-Căciulata Resort, Vâlcea County, Oc
113. **Nitu Alexandru** - *Mechanical Characterisation of PWR cladding using non-standard testing method* - 21st National Conference with international participation "Progress in Cryogenics and Isotopes Separation", Romania, Călimanesti-Căciulata Resort, Vâlcea County, October, 19-21, 2016tober, 19-21, 2016
114. **Alice Dinu, Rizoiu A** - *Texture Analysis In Zircaloy-4 Claddings* - 21st National Conference with international participation "Progress in Cryogenics and Isotopes Separation", Romania, Călimanesti-Căciulata Resort, Vâlcea County, October, 19-21, 2016
115. **Lucian Velciu, Tiberiu Meleg, Marian Pantiru, Daniel Petrescu, Florea Voicu** - *Study of Inconel 718 Alloy Tested by Heat-Cycling* - 21st National Conference with international participation "Progress in Cryogenics and Isotopes Separation", Romania, Călimanesti-Căciulata Resort, Vâlcea County, October, 19-21, 2016.
116. **M. Nitoi** - *Investigating the recurrence of meteorological hazards* - Progress in Nuclear Energy Journal, ISSN: 0149-1970, Vol. 89, pages 39-45, doi 10.1016/j.pnucene.2016.02.005, Feb. 2016

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1. **M. Constantin** - *Some Aspects of the Social, Societal and Governance Research for Nuclear Energy Development in Romania* - Journal of Nuclear Research and Development, No. 11, May 2016, pg. 50-56., ISSN 2247 – 191X, ISSN-L 2247 – 191X
2. **M. Dulama, C. Dulama, N. Deneanu** - *Efficiency Evaluation of Nuclear Grade Resins selected for Improvement of the Aqueous Radioactive Waste Treatment Technology* - Journal of Nuclear Research and Development, No. 11, May 2016, pg. 3-7., ISSN 2247 – 191X, ISSN-L 2247 – 191X
3. **L. Bujoreanu, D. Bujoreanu** - *Comparative Study of Solid Waste Combustion and Microwave Digestion Methods for 14C Measurement by LSC* - Journal of Nuclear Research and Development, No. 11, May 2016, pg. 8-12, ISSN 2247 – 191X, ISSN-L 2247 – 191X
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9. **M. R. Roman, D. V. Ionescu, G. Olteanu, S. Florea, A. C. Radut** - *Finite Element Modelling of Different CANDU Fuel Bundle Types in Various Refuelling Conditions* - Journal of Nuclear Research and Development, No. 12, December 2016, pg. 56-60, ISSN 2247 – 191X, ISSN-L 2247 – 191X
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13. **B. Corbescu, T. Gyöngyösi, D. Puiu, V.N. Panaitescu** - *A controlled ice plug forming experiment conducted on a horizontal pipe section (nps 12) with demineralized water flowing through* - Știință și inginerie. Vol. 29/2016, ISSN 2067-7138, Editura AGIR, București, 2016, pp. 483-492
14. R. A. Chihaiia, L. Mandrea, G. Oprina, L.A. El-Leathe, **B. Corbescu** - *Ecological water intake optimization by testing a small scale model* - Știință și inginerie. Vol. 29/2016, ISSN 2067-7138, Editura AGIR, București, 2016, pp. 305-314
15. R. A. Chihaiia, L. Mandrea, G. Oprina, L.A. El-Leathe, **B. Corbescu** - *Ecological water intake optimization by testing a small scale model* - Profesorul Dorin Pavel – fondatorul hidroenergeticii românești. Sebes – Alba, 10-11 iunie 2016
16. **G. Radu** - *Effect of Fractional Parameter on Neutron Transport in Finite Disturbed Reactors with Quadratic Scattering* - U.P.B. Sci. Bull., Series C, Vol.78, Iss.4, ISSN 2286-3540, 2016

Comunicări științifice prezentate la conferințe cu participare internațională

1. **M. Farcasiu** - *Study on the man - machine – organization system interfaces in nuclear facility operation* - International Conference. on Human and Organizational Aspects of Assuring Nuclear Safety – Exploring 30 Years of Safety Culture Vienna/ Austria, Feb. 2016
2. **M. Constantin** - *ALFRED-Implementation in Romania and Competence Building Aspects* - Sem. regional „Prospective Issues of Safety Assessment of Adv. Reactor Designs”CNCAN, Bucuresti, Martie 2016
3. **Alina Constantin** - *Steps towards ALFRED implementation* - WNU Alumni Assembly, Beijing, China, 18-22 April 2016
4. **S. Valeca, I. Turcu, M. Constantin** - *Sustainable Nuclear Development in Romania* - Conferinta AOSR, Mioveni, Mai 2016
5. **M.Constantin** - *Socio-economic Aspects of the Nuclear Development in NMS* - Int. Conf. SENIX, Stockholm/Suedia, Iun. 2016
6. **Daniela,Diaconu, Marin Constantin, Perko Tanja, I Turcanu Catrine, Mays Claire, Baumont Geneviève, Železnik Nadja, Zakrzewska Grażyna –Kołtuniewicz** - *Guide for Good Practices for public Communication, Education, Training and Information* - International Conference on Risk Perception, Communication and Ethics of Exposures to Ionising Radiation (RICOMET 2016), Bucharest, Romania, 1-3 June 2016
7. Irena Metka Kralj, Nadja Daris, Milena Železnik, Marega, Radko Istenič, **Daniela Diaconu, Zakrzewsk Grazyna a, aysClaire M** - *Guidelines for information sources for improvement of solutions for information materials and activities about ionizing radiation* - International Conference on Risk Perception, Communication and Ethics of Exposures to Ionising Radiation (RICOMET 2016), Bucharest, Romania, 1-3 June 2016
8. Železnik Nadja, **Daniela Diaconu, Constantin Marin, Grażyna Zakrzewska-Kołtuniewicz** - *Lessons for better education and information material based on implementation of pilot actions* - International Conference on Risk Perception, Communication and Ethics of Exposures to Ionising Radiation (RICOMET 2016), Bucharest, Romania, 1-3 June 2016
9. **Daniela Diaconu, Marin Constantin, Iliescu A. P, Constantin Alina** - *Strategic aspects of the social research in the development of the Romanian nuclear sector* - International Conference on Risk Perception, Communication and Ethics of Exposures to Ionising Radiation (RICOMET 2016), Bucharest, Romania, 1-3 June 2016
10. **B. Corbescu, T. Gyöngyösi, D. Puiu, V.N. Panaitescu** - *A controlled ice plug forming experiment conducted on a horizontal pipe section (nps 12) with demineralized water flowing through* – A xvi-a Conferinta Internationala multidisciplinara “Profesorul Dorin Pavel – fondatorul hidroenergeticii românești”, Sebes – Alba, 10-11 iunie 2016
11. **C. Truta, M. Ciocanescu, A. Amzoi** - *Issues in Manufacture and Qualification of Specialty Brazed Joints for Nuclear Applications* - Conferinta internationala "Innovative Technologies For Joining Advanced Materials – TIMA 16" 2-3 Iunie 2016, Timișoara
12. **Vasile Radu** - *Stochastic Approach of Thermal Fatigue Crack Growth due to Turbulent Mixing of Hot and Cold Coolants in Nuclear Piping* - Technical Meeting on Fatigue Assessment in Light Water Reactors for Long Term Operation: AREVA GmbH Erlangen, Germania, Good Practices and Lessons Learned, 6–8 July 2016;
13. V.A.Andrei, **E.Coaca, I.Ionita, G.Torok, G.Bokuchava, O.A.Rusu, A.Marin, M. Mihalache, V.Malinovschi, T. Visan** - *Microstructures and micro composition developed by Plasma Electrolysis Processing of 316L austenitic steels to obtain Al-containing surface layer* - 13th International Conference on Nanosciences & Nanotechnologies – NN16, Thessaloniki, Greece, 5-8 July 2016
14. **I. Visan** - *Neutronic analysis of the ALFRED demonstrator using the probabilistic SERPENT 2 code* - Joint ICTP-IAEA Workshop on Physics and Technology of Innovative Nuclear Energy Systems for Sust. Developm., Trieste/ Italia, Aug. 2016
15. **M. Constantin** - *Risks in ALFRED Implementation Process* - FP7 ARCADIA International Conference, Pitesti, Sepembrie 2016

16. **M. Constantin** - *Expected Impact of ALFRED Implementation* - FP7 ARCADIA International Conference, Pitesti, Septembrie 2016
17. **M. Constantin** - *ALFRED on the Reference Site - Opportunity and Necessity* - FP7 ARCADIA International Conference, Pitesti, Septembrie 2016
18. **M. Constantin** - *ALFRED Licensing Process* - FP7 ARCADIA International Conference, Pitesti, Septembrie 2016
19. **M. Apostol** - *ALFRED Local Dialog Group - a step in involvement of Local Community in Decision Making Process* - FP7 ARCADIA Int. Conf., Pitesti, Sep. 2016
20. **M. Apostol** - *Management model of Legal Entity: findings and feedback on the LE and management model* - FP7 ARCADIA Int. Conf., Pitesti, Sep. 2016
21. **C.A. Margeanu** - *Drivers and Impediments for Synergistic Collaboration among Countries* - Side-event SYNERGIES IAEA 60th Gen. Conf. IAEA, Viena/Austria, Sep. 2016
22. **M. Nitoi** - *Challenges of external hazards assessment. ASAMPSA_E project achievements* - Int. Conf. NENE2016, "Nuclear Energy for Europe", Portoroz/Slovenia, Sep. 2016
23. P.Groudev, N.Zaharieva, **C.Margeanu, M.Constantin** - *Comparison of Innovative and Evolutionary NPPs (Based on IAEA INPRO KIND – ET Methodology)* - Bulgarian Nuclear Conf., Plovdiv, Bulgaria, Sept. 2016
24. **L. Bujoreanu, D. Bujoreanu** - *Comparative Study for C-14 Measurement in Operational Solid Radioactive Waste* - Join ICTP/IAEA Workshop on radiation effects in nuclear waste forms and their consequences for storage and disposal, 12-16 September 2016 Trieste, Italy;
25. **Ionescu Silviu, Mincu Marin, Man Ion** - *Fracture Mechanics Tests on CANDU Pressure Tubes Samples* - HOTLAB 2016 Conference, the 53rd Annual meeting on 'hot' laboratories and remote handling, Leonardo Hotel Karlsruhe, Germany, October 2-6, 2016;
26. **Petre M.G., Mincu M., Lazăr C., Androne G., Benga A** - *Determination of plutonium isotopes in spent nuclear fuel using thermal ionization mass spectrometry (TI-MS) and alpha spectrometry* - HOTLAB 2016 Conference, the 53rd Annual meeting on 'hot' laboratories and remote handling, Leonardo Hotel Karlsruhe, Germany, October 2-6, 2016;
27. **B. Corbescu, D-tru Puiu, T. Gyongyosi, V. N. Panaitescu** - *Restoring the coil pipe thermal insulation layer from the defective fuel system locator. Technological conditions* - Technological conditions. Sustainable Solutions for Energy and Environment" – EENVIRO 2016, 26 – 28 octombrie 2016;
28. **D. Bujoreanu** - *ALFRED demonstrator in Romania* - Consultancy Meeting on the INPRO Collaborative Project on waste from Innovative Types of Reactors and Fuel Cycles (WIRAF), 4-7 Octombrie 2016;
29. **Irina Paraschiv, Crina Bucur, Mirela Olteanu** - *Modeling of 14C release from a low and intermediate level radioactive waste repository and its effects on the population and the environment* - The XXXIVth Romanian Chemistry Conference Călimănești-Căciulata, România, 4-7 octombrie 2016;
30. **Iulia Dumitrescu, Maria Mihalache, Meleg Tiberiu** - *Assessment of steam concentration influence on UO2 pellets oxidation* - The XXXIVth Romanian Chemistry Conference Călimănești-Căciulata, România, 4-7 octombrie 2016;
31. **Dumitra Lucan** - *Concentration of the Impurities in the Steam Generator Tube-Tubesheet Crevices* - The XXXIVth Romanian Chemistry Conference Călimănești-Căciulata, România, 4-7 octombrie 2016;
32. **Manuela Fulger, Daniel Petrescu, Maria Mihalache, Lucian Velciu** - *Overview of Materials for SCWR, Tested in RATEN ICN* - Technical Meeting on Materials and Chemistry for Supercritical Water Cooled Reactors, Praga, Cehia, 10 – 14 octombrie 2016
33. **Alina Constantin, Daniela Diaconu, Bucur C.** - *Overview on Environmental Remediation and Waste Management Activities in Romania* - The 7th Plenary Meeting of the Network of Environmental Management and Remediation (ENVIRONET), Vienna, Austria, 29 November -1 December 2016;
34. **V. Deaconu** - *Design and implementation of a new Net Website* - 30th NeT Steering Committee Meeting- Progress report, Petten/Olanda, Dec. 2016

1. **Vasile Radu** - *Stochastic Modeling of Thermal Fatigue Crack Growth* - Springer International Publishing Switzerland 2015/2016, Seria: Applied Condition Monitoring, Volume 1, ISBN 978-3-319-12876-4 ISBN 978-3-319-12877-1 (eBook) DOI 10.1007/978-3-319-12877-1, Library of Congress Control Number: 2014953916;
2. J. Bastos, M. Biscara, A. Dogov, G. Dupuy, A. Egorov, G. Fesenko, A. Jalal, V. Kiryanchuk, V. Kuznetsov, **C. Margeanu**, A. Starz, D. Ulanov, V. Usanov, K. Zhou, E. Zirulnikow - *Users Guide for NES Modeling using IAEA MESSAGE code* - IAEA Nuclear Energy Series NG-T-5.2, ISBN 978-92-0-109715-6, ISSN 1995-7807;
3. **Relu Dobrin** - *Caracterizarea radiologică a materialelor prin metode spectrometrice* - Editura Universității din Pitești, ISBN: 978-606-560-504-6;
4. **Iosif Prodea** - *Proiectarea neutronică și evaluarea performanțelor unui sistem de oprire cu bare absorbante al unui reactor nuclear avansat de tip CANDU* - Editura Universității din Pitești, ISBN 978-606-560-485-8.