

Lucrari stiintifice publicate / prezentate la Conferinte Nationale sau Internationale in anul 2014

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2. G. Grasso, C. Petrovich, D. Mattioli, C. Artioli, **D. Gugiu** - *The core design of ALFRED, a demonstrator for the European lead-cooled reactors* - Nuclear Engineering and Design, Vol.278, pg. 287-301, Oct. 2014
3. A. Tudora, F.J. Hamsch, G. Giubega, **I. Visan** - *Even-Odd Effects in Prompt Emission in Fission* - Nuclear Physics A, Vol 929, p. 260-292, 2014
4. **Marin Constantin, Alina Constantin, Minodora Apostol** - *Analysis of the source term formation in a severe accident initiated by end fitting failure in CANDU type reactors* - Kerntechnik, Vol. 79 , No. 2, pg.138-144 ; ISSN 0932-3902, Carl Hanser Verlag, München, April 2014
5. S. Nicolici, **T. Gyongyosi**, I. Prisecaru - *Experimental and numerical testing of an innovative steam generator tube plugging procedure* - Annals of Nuclear Energy, September 2014
6. P. Chatelard, N.Reinke, A.Ezzidi, M.Barnak, G.Lajtha, J.Slaby, **M. Constantin**, P.Majumdar - *Synthesis of the ASTEC Integral Code Activities in SARNET – Focus on ASTEC V2 Plant Applications* - Annals of Nuclear Energy, Vol.74, pp.224-242, Elsevier, Oxford – December 2014
7. **Mita Farcasiu**, I. Prisecaru - MMOSA – *A new approach of the human and organizational factor analysis in PSA* - Reliability Engineering and System Safety” vol. 123, pp. 91-98., March 2014
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11. **C. Doca, C .Paunoiu** - *An intuitive method to automatically detect the common and non common frequencies for two or more time-varying signals* - Scientific Bulletin of “Politehnica” University of Bucharest, Decembrie 2014
12. **Iuliana Visan**, G. Giubega, A. Tudora - *Prompt Emission Modeling in the Fission Process* - Romanian Journal of Physics Vol. 59, Nr 3-4, P. 272–284, 2014
13. **Iuliana Visan**, G. Giubega, A. Tudora - *Total Excitation Energy Partition between fully accelerated fission fragments in the frame of the Point-by-Point model* - Romanian Reports in Physics, Iulie 2014
14. **S. Valeca, V. Cojocaru** - *Out of reactor testing technologies of F/M heads – Romanian experience functional testing of telescopic cylinder ram assembly* - Annals of the Academy of romanian scientists, March 2014
15. **Alice Dinu, Vasile Radu** - *Chloride Stress Corrosion Cracking of Incoloy-800* - Revista de Chimie, nr.7, 2014, vol. 65, pag. 822-827, 2014
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17. **Minodora Apostol, Marin Constantin, Daniela Diaconu** - *Analysis of Romanian participation in Euratom programmes on nuclear safety topic* - JNRD, Nr.7, pg. 27-32, ISSN 2247 - 191X, ISSN-L 2247 - 191X, May 2014
18. **Manuela Fulger, Maria Mihalache, Lucian Velciu, I. Vitelaru** - *Corrosion Mechanism of Tubes from CANDU High Pressure Feed Water Heaters* - Journal of Nuclear Research and Development ISSN 2247 – 191x, Nr.7, May 2014
19. **Maria Mihalache, Manuela Fulger, Alice Dinu, Mihail Mihalache** - *Investigation of the oxides formed on 304ODS and 304L steels in supercritical water environment* - Journal of Nuclear Research and Development, ISSN 2247 – 191x, Nr. 7, May 2014
20. **Vasile Radu** - *Application of Neural Network Model for in-reactor deformation of CANDU Zr-2.5Nb pressure tubes* - Journal of Nuclear Research and Development, No. 8, December 2014
21. **Alice Ionescu** - *Estimation of the Flow and Transport Parameters for Column Experiments in Limestone* - JNDR, Nr. 8, pg. 18 – 24, ISSN 2247 – 191X, ISSN-L 2247 – 191X, December 2014
22. **Cs. Roth, D. Gugiu, D. Barbos, A. Datcu, L. Aioanei, D. Dobrea, I. Visan** - *Large Sample NAA Facility and Methodology Developmen* - JNDR, No.8, pg.11-17, ISSN 2247 – 191X, ISSN-L 2247 – 191X, December 2014
23. G. Giubega, **I. Visan**, A. Tudora, F.-J. Hamsch - *Preliminary Results in Even-Odd Effects in Prompt Emission in Fission for Even-Even Actinides* - JNDR, No.8, pg.36-42, ISSN 2247 – 191X, ISSN-L 2247 – 191X, December 2014
24. **Mirela Dulama, Cristian Dulama, Nicoleta Deneanu** - *Sequential leaching of cobalt-60 and cesium-137 to clean up contaminated soils* - Journal of Nuclear Research and Development, No. 8, December 2014

25. **Mihaela-Roxana Roman, D. Ionescu, A. Paraschiv, G. Olteanu** - *The Relationship between Experimental Data and Fuel Modeling in the Fuel Behaviour Analysis* - JNDR, No.8, pg.69-76, ISSN 2247 – 191X, ISSN-L 2247 – 191X, December 2014
26. **Manuela Fulger** - *Assessment of Oxidation of Alloys with Different Cr Content Exposed in Supercritical Water* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
27. **Crina Bucur, Cristina Alice Margeanu** - *Assessment of the Long-Lived Radioactive Waste Generated from Cernavoda NPP Operation and Decommission for Geological Disposal* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
28. **E. Coacă, V. Malinovski, M. Mincă, S Florea, M. Mihalache, L. Velciu, M. Tăcică, V. Andrei** - *Surface modification/ alloying using Plasma Electrolysis Processing as a tool for improving the Corrosion Behavior of Austenitic Stainless Steels used as Nuclear Structural Materials* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
29. **Marieta Serbanel** - *A Parametric Study Of Candu Fuel Channel Using Relap5 Code* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
30. **C.Doca, C.Panoiu** - *A practical tool for the common and not common frequencies detection in two or more congruent spectra* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
31. **V. Balaceanu, L. M. Georgescu, C. Valache, E. Dragan** - *Achiev. of "Study Case: Develop. & Implem. of Knowledge Transfer and Preservation Process at Cernavoda NPP" PROJECT* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
32. **Lucian Velciu, Tiberiu Meleg, Alexandru Nițu, Laurențiu Popa, Diana Diniashi** - *Assessment of Some Nickel-Based Alloys After Thermal Transient Tests* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
33. **I. Turcu, M. Constantin** - *ALFRED Project* - INTERREGIVC Project, Working for Talent, "Human capital and innovation", Targoviste, May 2014
34. **V Andrei, M. Mihalache, V. Malinovski, E. Coaca, M. Pătrașcu, Gh. Oncioiu** - *Ceramic-like aluminium oxide coating deposition on austenitic stainless steels by Plasma Electrolytic Oxidation* - ECOSS 2014, Antalya, Turcia, 1 septembrie 2014
35. **A. Alemberti, P. Agostini, I. Turcu, M. Constantin** - *ALFRED Project and FALCON Consortium* - 3rd Int. Scie. and Tech. Conf. "Innovative Designs and Technologies of Nucl. Power", ISTC NIKIET-2014, Moscova, October 2014
36. **Lucian Velciu, Tiberiu Meleg, Alexandru Nițu, Laurențiu Popa, Marian Panțiru** - *Analysis of Inconel 718 Alloy Tested in Thermal Transient Conditions* - 12 – th edition of WEC CENTRAL & EASTERN EUROPE REGIONAL ENERGY FORUM - FOREN 2014, România, 22-26 iunie 2014
37. **Vasile Radu** - *Application of Neural Network Model for in-reactor deformation of CANDU Zr-2.5Nb pressure tubes* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
38. **Daniela Diaconu, Marin Constantin** - *ARCADIA Project in Support to Alfred Demonstrator* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
39. **Tiberiu Meleg, Marica Deaconu** - *Average Coefficient Measurement of Oxygen in Zy-4 Cladding at temperatures between 873 and 1673K* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
40. **R. Dobrin, C. Dulama, Al. Toma, C. Ciocîrlan, G. Zăvoianu** - *Cerenkov counting of ⁹⁰Sr-⁹⁰Y in a Liquid Scintillation Counter – Instrument performance data* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
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45. **C.A. Margeanu, G. Olteanu** - *Estimation of Spent Fuel Parameters Evolution During Thorium-Based Fuels Irradiation in CANDU Reactors* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
46. **Alice Ionescu** - *Estimation of the Flow and Transport Parameters for Column Experiments in Limestone* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
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49. **C. Ciocîrlan, C. Dulama, M. Valeca, AL. Toma, R. Dobrin, S. Stroe** - *Experimental tests for determination of Po-210 in aqueous samples* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
50. **Cristina Diaconescu, Camelia Ichim, Ionuț Florea** - *Experiments for developing the measurement method for γ emitters in spent ion exchange resins* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
51. **Mădălina Stănciulescu, Alice Dinu, Iulia Dumitrescu, M. Mincu** - *Fabrication of metallic Mo targets for technetium generator* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
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54. **Răzvan Marinescu, Marin Mincu** - *Influence of the Samples Preparation on Hydrogen Concentration Determination Using the Differential Scanning Calorimetry Method. (DSC)* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
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56. **M. Apostol, M. Nitoi, A. Popa, M. Farcasiu** - *INR Preliminary Activities for ALFRED Demonstrator PSA Level 1* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
57. **Laurențiu Popa, Manuela Fulger, Lucian Velciu, M. Lazăr** - *Localized Corrosion of Dissimilar Welds Between Austenitic Stainless Steel And Carbon Steel Components From Secondary Circuit of Nuclear Power Plant* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
58. **Liliana Bujoreanu, Dan Bujoreanu** - *LSC Method for C-14 Measurement in Solid Radioactive Waste* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
59. **Maria Mihalache, Iulia Dumitrescu, Zhangjian Zhou** - *Mechanical Properties of Two Austenitic and Ferritic / Martensitic Steels Strengthened with Dispersed Oxides* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
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61. **Mirela Olteanu, Crina Bucur** - *Method for I-129 separation by extraction chromatography* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
62. **E. Coacă, S. Florea, V. Malinovschi, M. Mihalache, L. Velciu, M. Mincă, D. Dinică*, M. Tăcică, V. Andrei** - *Microstructure and Properties of thin films formed by Plasma Electrolysis Processing of Iron Based Structural Materials* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România

63. **Cs. Roth, B. Boer, M. Mladin, A. Datcu, G. Budriman, C.Truta** - *MYRRHA Fuel Transient Tests Project at the TRIGA-ACPR Reactor* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
64. **Gabriela Gheorghe, Ion Man, Marin Mincu** - *Nondestructive Post-Irradiation Examination of a CANDU Fuel Bundle from Cernavoda Nuclear Power Plant* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
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66. **T.Gyongyosi, S. Valeca, V.N. Panaitescu, I. Prisecaru** - *Plugging tests for stopping of the industrial/service water flow through horizontal high diameter tube (200 mm nominal diameter) with artificial ice plug* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
67. **Daniela Gugiu, S. Negru, A. Woltz** - *Preliminary Neutronic Analysis of some Alloys if Used in Lead Cooled Fast Reactors* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
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71. **Gabriela Radu, I. Prisecaru** - *Simulation of Molten Corium Concrete Interaction for the Reactor Case in Initial Wet Conditions* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
72. **C. Dulama, R. Dobrin, Al. Toma, M. Valeca** - *Simultaneous determination of total alpha and beta activity by Liquid Scintillation Spectrometry* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
73. **Raluca Negrea, Denis Negrea** - *Structural characterization of New Intermetallic Compounds used as Targets for Iridium and Cobalt Gamma Radiation Sources* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
74. **Pietro Agostini, A. Alemberti, M. Ciotti, G. Grasso, M. Tarantino, I. Turcu, M. Constantin** - *The ALFRED Project: Opportunities for Romania* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
75. **L. Doca, C. Doca** - *The CANDU outlet feeder's wall thinning by flow accelerated corrosion – A minimal predictor model* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
76. **A. Alemberti, G. Villabruna, P. Agostini, I. Turcu, M. Constantin** - *The FALCON Consortium: Continuing the Successful Italian Romanian International Collaboration* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
77. **T. Gyongyosi, I. Prisecaru, V.N. Panaitescu, S. Nicolici** - *The first experimental tests to isolate the steam generator tube by plugging of the inlet into tube sheet* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
78. **Iosif Prodea** - *The Influence of CANDU Fuel Bundle Central Element Size on Lattice and Core Reactor Physics Parameters* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
79. **Mariana Tunaru** - *The Kinetics of Carbon Steel Corrosion in the Presence of Iron Oxidizing Bacteria* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
80. **Mihaela-Roxana Roman, D. Ionescu, A. Paraschiv, G. Olteanu** - *The Relationship between Experimental Data and Fuel Modeling in the Fuel Behaviour Analysis* - Nuclear 2014 - The 7th Annual International Conference on Sustainable Development through Nuclear Research and Education, May 28-30, 2014, Pitești, România
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83. **Daniela Diaconu, Marin Constantin**, Giacomo Grasso, Georgios Glinatsis, Fosca Di Gabriele, Didier De Bruyn - *ARCADIA - A Regional Approach for Alfred Implementation in Romania* - 12 – th edition of WEC CENTRAL & EASTERN EUROPE REGIONAL ENERGY FORUM - FOREN 2014, România, 22-26 iunie 2014
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85. A.Alemberti, G. Villabruna, P.Agostini, **I.Turcu, M.Constantin** – *FALCON Consortium – for ALFRED demonstrator implementation* - 12 – th edition of WEC CENTRAL & EASTERN EUROPE REGIONAL ENERGY FORUM - FOREN 2014, România, 22-26 June 2014
86. **D.Diaconu, M.Constantin** G.Glinatsis, G. Grasso, F.DiGabriele, D.DeBruyn - *ARCADIA: A Regional Approach for ALFRED Implementation in Romania* - 12 – th edition of WEC CENTRAL & EASTERN EUROPE REGIONAL ENERGY FORUM - FOREN 2014, România, 22-26 June 2014
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90. **Octavian Uță, Marin Mincu, Minică Ioncescu, Raluca Negrea** - *Metallographic characterization of (UTh)O₂ and UO₂ fuel irradiated in power ramp conditions* - 12 – th edition of WEC CENTRAL & EASTERN EUROPE REGIONAL ENERGY FORUM - FOREN 2014, România, 22-26 June 2014
91. **Lucan Dumitra** - *Overview of the CANDU steam Generator Degradation Processes* - 12 – th edition of WEC CENTRAL & EASTERN EUROPE REGIONAL ENERGY FORUM - FOREN 2014, România, 22-26 June 2014
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93. **Silviu Ionescu, Marin Mincu, Ion Man, Octavian Uță**, Ilie Prisecaru - *The influence of hydrogen on the behaviour of CANDU power plants pressure tubes* - 12 – th edition of WEC CENTRAL & EASTERN EUROPE REGIONAL ENERGY FORUM - FOREN 2014, România, 22-26 June 2014
94. **Ștefănescu Doina** - *Concrete reinforcement Protection by Migrating Corrosion Inhibitors* - XXXIII Conferința Națională de Chimie, Râmnicu Vâlcea, România, 01-03 octombrie 2014
95. **Dan Bujoreanu, Liliana Bujoreanu** - *Determination of C-14 on ion exchange resins generated from Cernavoda NPP* - Progrese in criogenie si separarea izotopilor, Calimanesti Căciulata, Valcea, 23-24 Octombrie 2014
96. Aurelia Piscureanu, Dana Varasteanu, Irina Chican, Mircea Ruse, **Mirela Dulama, Carmen Arsene, Nicoleta Deneanu**, Daniel Dinculescu, Cristina L. Gijiu, Monica Mares, Kiril Krezhov - *Development of new technologies for wastewater processing and conditioning the liquid organic wastes radioactively contaminated from the nuclear power plants* - Conferința științifică a INHGA , București, 10 – 11 noiembrie 2014
97. **Mirela Nitoi** - *EC JRC Ageing PSA Network – objectives, tasks, results* - Training on Adv. Analysis Tools for Safety Important Syst., Struct and Components Selection and Prioritization for NPP Ageing Manag. Program, Petten, Olanda, Sept-Oct. 2014
98. **Cs. Roth, A. Datcu, C. Truta, M. Mladin, M. Ciocanescu, D. Barbos, Al. Nitu, L. Velciu** - *Experimental Devices Development for MYRRHA Type Fuel Transient Tests at the TRIGA-ACPR Reactor* - SEARCH/MAXSIMA 2014 International Workshop October 7-10, 2014, Karlsruhe, Germany
99. **V. Deaconu, C. Truta** - *FE Model for Thermal Analysis of Nuclear Fuel Clad to End Plug Welding* - 29th meet. Of Steering Com. & 11th workshop „Enlargement & Integration” , Int. Network NeT, Istanbul, Turcia, December 2014
100. **V. Deaconu, M. Mladin** - *Finite Element Residual Stress Modelling for Quenched Stainless Steel Pipes* - Int. Conf. „High Performance Engineering Sol. 2014”, Sinaia, Mai 2014
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102. **Lucan Dumitra** - *Improvement of the Secondary Water Chemistry* - NUGENIA FORUM, Madrid, Spania, 8-10 aprilie, 2014
103. **Daniela Diaconu, Marin Constantin**, Grazyna Zakrzewska, Nadja Zeleznik, Claire Mays, Leon Cizelj, Ivan Ivanov - *Improving new member states involvement in Euratom research* - Geodisposal 2014, Manchester, Uk, 22-24 June, 2014
104. **Daniela Diaconu**, Dan Slovoaca, Ivan Ivanov, Nadja Zeleznik, Metka Kralj, Grazyna Zachewska - *Overview of less advanced programmes and their requirements* - Geodisposal 2014, Manchester, UK, 22-24 June, 2014

105. **Alina Constantin, Daniela Diaconu, Marin Constantin** - *Investigation of the attitudes, needs and expectations of Saligny community* - Geodisposal 2014, Manchester, UK, 22-24 June, 2014
106. **T. Gyongyosi**, V.N. Panaitescu, I. Prisecaru - *Attempts to form ice plug on drinking/potable water flowing through horizontal pipe section (of 200 mm nominal diameter)* - A XIV-a Conferinta Nationala multidisciplinara cu participare internationala "Profesorul Dorin Pavel-Fondatorul hidroenergeticii romanesti", Sebes 2014, Mai 2014
107. **Lucan Dumitra, Lucian Velciu** - *Influence of Water Chemistry on the Corrosion Behavior Steam Generator Tubing Material* - ICAPP – International Congress on Advanced in Nuclear Power Plants, Charlotte, USA, 6-9 aprilie 2014
108. **Minodora Apostol** - *Legal Entity aspects for ALFRED implementation* - 1st Annual ARCADIA Project Meeting, WP4, Rez, Cehia, Oct. 2014
109. **Mirela Nitoi** - *Lessons Learnt from Past Real Events/ Hazards for PSA Developments* - ASAMPSA_E1st End-Users Workshop, Uppsala, Suedia, May 2014
110. **P Cirlan** - *MA processing of Iron–Chromium Alloy Strengthened by Y₂O₃ Additions* - Metals and Alloy, 2014
111. **Cristina Alice Margeanu** - *National Romanian scenarios with reliance on domestic and imported U/fuel supply, by considering regional collaboration in nuclear fuel cycle and including economic analysis* - INPRO SYNERGIES Project 5th meeting; Progress reports, IAEA, Viena, Austria, May 2014
112. **I. Ionita, G. Torok, G. Bokuchava, V. Andrei, E. Coaca, M. Minca, V. Malinovschi** - *Neutron Scattering, X Ray Diffraction and Electron Spectroscopy characterization of microstructures developed on 316L and 304-L steels by Plasma Electrolysis Processing* - Intrunirea NET, Decembrie 2014
113. **Cristina Alice Margeanu** - *NUCLEAR ENERGY PLACE IN ROMANIA'S ENERGY MIX –Status, Prospects, Benefits and Risks* - INPRO KIND Project 1st meeting; IAEA, Viena, Austria, July 2014
114. **Mirela Nitoi** - *Overview of the R&D Infrastructure by ICN* - FALCON Workshop: Towards the Demo-LFR ALFRED, ENEA Research Centre of Brasimone, Italia, July 2014
115. **Lucan Dumitra** - *Overview on Experimental Research Concerning CANDU steam Generator Degradations* - XXXIII Conferinta Națională de Chimie, Râmnicu Vâlcea, România - 01-03 octombrie 2014
116. **V Andrei, V. Malinovschi, E. Coacă, M. Mihalache, M. Mincă, Gh. Oncioiu** - *Plasma Electrolysis Processing as a tool for improvement of austenitic stainless steel properties by ceramic-like aluminium oxide coating deposition* - NuMat 2014, Florida, 27-30 october 2014
117. **Mirela Dulama, Cristian N. Dulama, Mirela Olteanu** - *Radiochemical study of Cs-137 and Co-60 sorption behavior on strongly acidic cation exchangers* - "PRIOCHEM" - ICECHIM Bucharest, Round Table: Danube WATER Integrated Management, 30-31 octombrie 2014
118. **Mirela Nitoi** - *Selection of SSCs using Risk Importance Measures. Case study example* - Training on Adv. Analysis Tools for Safety Important Syst., Struct and Components Selection and Prioritization for NPP Ageing Manag. Program, Petten, Olanda, September - October 2014
119. **Magdalena Dianu, Marius Iordache** - *Separarea Sr prin cromatografie de extractie pentru evaluarea radiostromtiului* - Simpozionul „Chimie și dezvoltare”, Pitești, 30 mai 2014
120. **Mirela Nitoi** - *Sitting and project licensing for advanced fission demonstrators* - ESNII Plus WP3 Meeting, Budapest, Hungary, November 2014
121. **Mirela Nitoi** - *Sitting Aspects* - 1st Tech. Group meeting - FALCON Consortium ENEA Res. Centre, Brasimone, Italia, July 2014
122. **M. Dinca** - *Standardization of Neutron Imaging at INR* - Technical Meeting on Research Reactor User Networks: Standardization of Neutron Imaging for Industrial Applications, Viena, Austria, 23–26 June 2014
123. **Cristina Alice Margeanu** - *Sustainability of Nuclear Energy System in Romania - View on the Resources Availability Aspects considering the INPRO Methodology Approach* - 8th INPRO Dialogue Forum "Toward Nucl. Energy System Sustainability: Economics, Resource Availability, and Institutional Arrangements"; IAEA, Viena, Austria, August 2014
124. **Cristina Alice Margeanu** - *Sustainability of Nuclear Energy System in Romania - View on the Long term Sustainability Aspects* - INPRO ROADMAPS Project 1st tech. meeting; IAEA, Viena, Austria, November 2014
125. **D. Diaconu, M. Constantin, G. Grasso, G. Glinatsis, F. Di Gabriele, A. Alemberti, D. De Bruyn, E. Urbonavicius** - *The ARCADIA Project in Support of the ALFRED Concept* - ICONE22, International Conference on Nuclear Engineering, Praga, July 7-11, 2014
126. **Lucan Dumitra, Mihalache Maria** - *The effective degradation processes management of some structure's and component's material removed from the autoclaves placed in CANDU NPP circuits* - IAEA COORDINATED RESEARCH PROJECT- Evaluation of structure's and component's material properties utilizing actual aged materials removed from decommissioned reactors for safe LTO, 2014
127. **M. Dinca** - *Thermal neutron tomography for cultural heritage at INR* - "10th World Conference on Neutron Radiography", la Physics Procedia, Elsevier, 2014
128. **M. Dinca** - *Thermal neutron tomography for cultural heritage at INR* - 10th World Conference on Neutron Radiography, Grindelwald, Elvetia, 5-10 Octoberie, 2014
129. **M. Mladin, G. Budriman, C. Roth** - *Transient Testing of MYRRHA Fuel-Neutron Physic sand Thermal Design Analyses* - SEARCH/MAXSIMA International Workshop Karlsruhe, Germania, October 2014
130. **Mirela Nitoi** - *Trend analysis. Non-parametrical tests* - Training on Adv. Analysis Tools for Safety Important Syst., Struct and Components Selection and Prioritization for NPP Ageing Manag. Program, Petten, Olanda, September –October 2014.

CĂRȚI DE SPECILALITATE SAU CAPITOLE DE CARTE PUBLICATE ÎN ANUL 2014

1. **Carlan Paula** - *Transformari structurale la imbatranirea materialelor* - Editura Universitatii din Pitesti 2014, Index: ISBN/ISSN-978-606-560-00-1
2. **Magdalena Dianu** - *Separarea si purificarea Cl din solutii apoase pentru evaluarea radioclorului* - Editura Universității din Pitesti, 2014, ISBN: 978-606-560-404-9
3. **Mita Farcasiu** - *Analiza sistemului om-masina-organizare la instalatiile nucleare in conditii de accident* - Editura Universitatii din Pitesti, ISBN: 978-606-560-385-1
4. **Iulia Dumitrescu Tiberiu Meleg** - *Pressurized Heavy Water Reactor Fuel Integrity Performance and Advanced Concept IAEA TECDOC-CD-1751 ISBN: 978-92-0-158414-4 English 2014 - FIPRED (Fission Product Release from Debris Bed) Romanian Project – in Pressurized Heavy Water Reactor Fuel: Integrity, Performance and Advanced Concepts* - IAEA TECDOC-CD-1751 ISBN: 978-92-0-158414-4 p. 153-161, International Atomic Energy Agency, Vienna, 2014;
5. **Tiberiu Meleg** - *Pressurized Heavy Water Reactor Fuel Integrity Performance and Advanced Concept - „Degradation mechanism of Zr-4 cladding during high temperature steam oxidation* - IAEA TECDOC-CD-1751 ISBN: 978-92-0-158414-4, International Atomic Energy Agency, Vienna, 2014;
6. **A. Rizoiu, G. Horhoianu, I. Prodea** - *Pressurized Heavy Water Reactor Fuel Integrity Performance and Advanced Concept IAEA TECDOC-CD-1751 ISBN: 978-92-0-158414-4 English 2014 - Using Advanced Fuel Bundles in CANDU reactors* - IAEA-TECDOC-CD-1751, ISBN: 978-92-0-158414-4, International Atomic Energy Agency, Vienna, September 2014
7. **I. Prodea, C.A. Margeanu, A. Rizoiu, G. Olteanu** - *Pressurized Heavy Water Reactor Fuel Integrity Performance and Advanced Concept IAEA TECDOC-CD-1751 ISBN 978-92-0-158414-4 English 2014 - INR Recent Contributions to Thorium-Based Fuel Using in CANDU reactors* - IAEA-TECDOC-CD-1751, ISBN: 978-92-0-158414-4, International Atomic Energy Agency, Vienna, September 2014
8. **Iosif Prodea** - *Pressurized Heavy Water Reactor Fuel Integrity Performance and Advanced Concept IAEA TECDOC-CD-1751 ISBN 978-92-0-158414-4 English 2014 - Slightly Enriched Uranium Core Burnup Study in CANDU 6 Reactor* - IAEA-TECDOC-CD-1751, ISBN: 978-92-0-158414-4, International Atomic Energy Agency, Vienna, September 2014
9. **Shahen Poghosyan, Mirela Nitoi, Zdenko Šimić** - *Feasibility Study for Applicability of Ageing PSA Model Results in Risk-informed Decision Process* - ISBN 978-92-79-37798-3, doi: 10.2790/18681, Luxembourg: Publications Office of the European Union