

International Conference on Applications of Radiation Science and Technology

Wednesday, 26 April 2017

P-A1: Irradiation Facilities and their Applications (14:15 - 16:15)

-Conveners: TSec Sunil Sabharwal; Mark Bailey

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[314] EPR Dosimetric Potential of Ammonium Oxalate Monohydrate in Radiation Technology	Mr RUSHDI, Mohamed	
[146] Radiation Shielding Analyses of A 10 MeV LINAC for Electron Beam and X-Ray at KACST	Mr KANG, Wong-Gu	
[111] Fungal Decontamination of Historical Oil Painting by Using Gamma Ray	Ms BETESHO BABRUD, Ramsina	
[152] Gamma Radiation Induced Decoloration and Degradation on Aqueous Solutions of Indigo Carmine Dye	Ms ZAOUAK, AMIRA	
[154] Dosimetric Calibration of a Panoramic 60Co Gamma-Ray Source	Ms MIHALJEVIĆ, Branka	
[414] Setting up of New Radiation Facilities in Alexandria, Egypt	Mr ABDELGAWAD, Sherif	
[73] Application of Electron Beam for Preservation Biodeteriorated Cultural Heritage Paper-Based Objects	Ms CHMIELEWSKA-ŚMIETANKO, Dagmara	
[298] Electron Accelerator for R&D Study and Radiation Processing	Mr ZIMEK, Zbigniew	
[195] Application of Low Energy Electron Beam in Microbiological Decontamination Process	Ms GRZYCZKA, Urszula	
[193] Facilitating Sustainable Education in Nuclear Science and Technology	Mr ADJERAD, Athmane	
[275] Treatment of Organic Pollutants Based on PCB in the River Sediment by Electron Beam	Mr FULOP, Marko	
[449] Measurement of Voidage/Holdup in Industrial Process Systems Using γ -Ray Densitometry	Mr PANT, Harish Jagat	
[108] Intergrating Management Systems to Good Irradiation Practices within a Framework of Social Responsibility	Ms DOCTERS, Andrea	
[101] Optimal Design of Co-60 Single Source Radiation Facility with Monte Carlo Method	Mr GAO, Fei	
[107] Toroidal Electron Source	Mr WEIDAUER, André	
[32] Radiation Activities at ENEA Calliope Gamma Facility	Ms CEMMI, Alessia	
[30] Non Destructive Radiation Dosimetry Using Diffuse Reflectance Spectroscopy	Mr MEHMOOD, Sajjad Mehmood	
[35] Human Resource Development for the Application of Radioisotope Techniques to Industry in Myanmar	Ms LWIN, Khin Ye	
[93] The Study of Gamma Ray Efficiency in Converting of Tehran Municipal Sewage Sludge into a Sanitary Fertilizer	Ms BETESHO BABRUD, Ramsina	
[239] Gamma-Irradiation in Protection of Cultural Heritage – Effects on Model Cellulose Based Textiles	Ms PUCIĆ, Irina	

[234] Core Neutronic and Source Strength Analyses of Co-60 Production in Local Power Reactors	Mr IHSAN, Aamir	
[236] Radiolysis Induced Degradation of Fluoroquinolones	Ms TEGZE, Anna	
[140] Structural Characterization of γ Irradiated GdBO₃/Silica Composite Obtained by Sol Gel Process	Ms LADJOUZI, Samia	
[377] RI-Biomics Technology for the Advance Radioisotope Application in Modern Life	Mr JANG, Beom Su	
[83] Application of Isotopic Techniques Using Mathematical Models in Environmental Process	Ms MOHAMED MOUSTAFA, Wafaa	
[86] In-Situ and Non-Destructive Detection of Oleoresin in Standing Agarwood Trees Using Portable Gamma-Ray Tomography Imaging System	Mr ABDULLAH, Jaafar	
[84] Electron Beam Techniques for Air Pollution Control	Mr YU, SeungHo	
[85] Degradation Characteristics and Transformation Products of Iodinated Contrast Media Using Ionizing Radiation	Mr YU, SeungHo	
[248] Tunisian Experience Assessment of Installing a Pilot Cobalt-60 Source for Irradiation	Mr TRABELSI, Mohamed Hedi	
[178] Feasibility of Using Irradiation to Degrade a Toxic Dye Compound	Ms VOGT, María Verónica	
[182] Detoxification of High Toxic Substances by Radiation Transformation Technique	Mr KIM, Jinhong	
[187] Gamma-Irradiation for Cultural Heritage – Treatment of Selected Fungi on Linen Textile	Ms ŠEGVIĆ KLARIĆ, Maja	
[16] A New Fluorescence Detection Method with Plastic Scintillators Using a Conventional LSC -Organic Waste Less Method	Ms FURUTA, Etsuko	
[321] Measurement of Residence Time Distribution of Wastewater in a Constructed Wetland System Using Radiotracer Technique	Mr GOSWAMI, Sunil	
[327] New Trend in Radiation Dosimeters	Ms ABAZA, Aya	
[72] The Numerical Simulation of Cultural Heritage Radiation Treatment by Monte Carlo Method	Mr MORGUNOV, Volodymyr	
[71] Research on Conversion of Natural Wastes to Useful Products by Application of Radiation Processing for Agricultural Sector of Myanmar	Ms LAY, Khin Khin	
[121] The Application of Radiochemical and Isotopic Studies to Inform on the Impact of Acidic Effluent Discharges from the Caldas Uranium Mine into Neighboring Surface Waters	Mr CARVALHO FILHO, Carlos Alberto de	
[363] Development of a Digital Model for the Dosimetry of the Cobalt 60 Irradiator at the National Polytechnic School of Ecuador	Mr SALGADO, Francisco	
[317] Relevant Safety Aspects for Radioactive Tracers in Industrial Process	Ms COSTA, Mara Lucia	
[315] Assessment of Safety Systemns Design of Industrial Irradiation Facilities in Brazil	Mr GOMES, Rogerio	
[369] ESR Dosimetric Properties of Sodium Glutamate	Mr EID, Seif Ebraheem	
[387] Personal Radiation Dosimetry at Radiological Facilities, Nepal	Mr SHAH, Buddha Ram	
[259] Effect of Gamma-Ray and Electron Beam Irradiation on Reduction of Graphene Oxide Suspension in Aqueous Alcoholic Solution	Mr YU, SeungHo	
[255] Dosimetric Eevaluation in Industrial Gammagraphy Operations	Ms MIMOUNT, Samira	
[166] Conceptual Development of an Irradiator for Cross-Linking of Cables Using 60Co Gamma Rays	Mr GEORGE, Jain Reji	

[358] Using of Radiation Sterilization	Ms CORETCHI, Liuba	
[217] Radiation Induced Environmental Remediation of Toxic Cr(VI) Heavy Metal in Aerated Neutral Solution under Simulated Industrial Effluent	Mr DJOUIDER, Fathi	
[219] Pilot-Scale Study of the Radiation-Induced Silica Removal from Underground Brackish Water in Saudi Arabia	Mr DJOUIDER, Fathi	
[285] γ-Radiation-Co-Cryogelation Induced Synthesis of Macroporous γ-Cryogels for Bioengineering Applications	Mr TRIPATHI, Anuj	
[55] Ionizing Radiation as a New Technique for Treating Sewage Wastewater and Sludge in Arid Regions	Ms EL-MOTAUM, Rawia	
[50] Optimizing the Size and Composition of Solid State/EPR Dosimeters	Ms KARAKIROVA, Yordanka	
[300] The Efficiency of Radiation Processing by the Tunisian ^{60}Co Industrial Irradiator after 16 Years of Use	Ms OUNALLI MEJRI, Leila	
[226] Enhancing Safety and Control Features of Radiation Processing Facility SIBO INRA/Tangier Morocco	Mr MOUHIB, Mohammed	
[225] Upgrading of Cobalt 60 in Temporary Pool for Dry Storage Irradiation Facility SIBO INRA/Tangier Morocco	Mr MOUHIB, Mohammed	
[222] Dosimetric Properties of $\text{MgB}_4\text{O}_7:\text{Ce}$ and $\text{MgB}_4\text{O}_7:\text{Ce, Li}$ for Thermoluminescence Dosimetry Applications	Ms SOUZA, Divanizia	
[114] Dosimetric Characterization of the ISO GAMMA LLoCo Irradiator.	Mr PRIETO MIRANDA, Enrique Francisco	
[151] Application of Ionizing Radiation for Treatment and Valorization of Cork Wasterwater	Ms CABO VERDE, Sandra	
[156] Detoxification of Aflatoxin B1 and Ochratoxin A by Gamma Radiation	Ms MIHALJEVIC, Branka	
[159] Dose Increase System in a Gamma Irradiator	Mr LIU, Ge	
[44] EPR Characterization of a Medical Grade Polyethylene for High Dose Dosimetry	Mr FARAH, Khaled	
[45] Kinetics of Free Radicals Decay Reactions in Cellulosic-Based Heritage Materials Disinfected by γ-Radiation	Mr VASQUEZ, Pablo	
[41] Evaluation of Radiation Shield Integrity of DD Neutron Generator Facilities by Monte Carlo and Experimental Methods	Ms BERGAOUI, Kaouther	