



# Poster Numbers



| Poster Number   | Title   |
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| <i>Applications of Nuclear Techniques to Science and Research</i> |   |
| 1   | Assessment of Trends in Freshwater Quality Using Environmental Isotopes and Chemical Techniques for Improved Resource Management  |
| 2   | Chemical Deuteration of Molecules for Structural Characterisation by Nuclear-Based Techniques   |
| 3   | Leaching Study in Immobilization of Radioactive Waste In Fly Ash- Zeolite Cement  |
| 4   | Modeling Physical Environmental Processes of Radio Nuclides Migration by means of Smooth Particle Hydrodynamics (SPH)   |
| 5   | Mutation breeding for salinity tolerance in bread wheat ( <i>Triticum aestivum</i> L.)  |
| 6   | Real-time tracking of radioxenon plumes using NaI(Tl) Detector with rapid peak identification software  |
| <i>Community Engagement, Education and Communications</i>         |   |
| 7   | Changes in Correlation among Various Aspects Relating to Nuclear Power and Radiation Education in 2012-2013   |
| 8   | Developing a Nuclear Engineering Program at UNSW  |
| 9   | Efforts of WIN Slovakia to inform General public  |
| 10  | Women in nuclear Niger  |
| <i>Medical and Health Applications</i>                            |   |
| 11  | Brachytherapy of periorificial skin cancers of the face   |
| 12  | Breast cancer in Tunisia: the tug-of-war continues  |
| 13  | Control of Unwarranted Radiation Exposures in Medical Applications  |
| 14  | Detection of Radiation Induced Radicals in Crude Medicine Sterilized by Gamma Ray   |
| 15  | Implementation Of A Novel High Dose Rate Brachytherapy Planning Technique For Carcinoma Of The Cervix In Senegal: A Model For The Developing World                                |
| 16  | Improved radiolabeling of peptides with trivalent radiometals by addition of non-aqueous solvents: a pathway to kit-synthesis of radiopharmaceuticals for clinical application    |
| 17  | Non- destructive characterization of essential, toxic and radioactive elements in human placenta using energy dispersive x-ray fluorescence and low background gamma spectroscopy |
| 18  | Overcoming Radiation Protection Challenges in Paediatric Imaging - A collaborative approach   |
| <i>Non-Proliferation, Security and Safeguards</i>                 |   |
| 19  | Evaluation of the Regulatory Framework  |
| 20  | Nonproliferation, Safeguards And Nuclear Security Commitments For Brazil: The Role Of The Nuclear Regulatory Authority (CNEN)   |
| 21  | TC project between IAEA and Azerbaijan Republic, Supporting the Preparation of the National Radiological Emergency Plan   |

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| <i>Nuclear Design, Operations, Engineering and Maintenance</i> |  |
| 22   | Advanced Design Features for Safety Enhancement of the APR1400   |
| 23   | Comparison & Analysis of IEEE 344 and IEC 60980 standards for harmonization of seismic qualification of safety-related equipments        |
| 24   | Conceptual Design of Nuclear Desalination for Kori Nuclear Power Plants in Korea   |
| 25   | Development of Severe Accident Analysis Code and Methodology in Korea  |
| 26   | Economic Evaluation of Capital Cost, Operation and Maintenance Cost and Unit Production Cost of Kori Nuclear Desalination Plant in Korea |
| 27   | Ignalina Nuclear Power Plant Decommissioning   |
| 28   | The Influence of Nuclear Power Plant Operating on Phytoplankton Production   |
| 29   | The Installation of a New Cold Neutron Guide – Challenges Faced & Lessons Learnt   |
| 30   | Nuclear Reactor Technologies   |
| 31   | Safety policy methods against Nuclear Power Plant Life Extension   |
| 32   | Site Selection and Evaluation for Nuclear Power Plant with respect to Nuclear Engineering  |
| 33   | Status of Stress Test for Nuclear Power Plants in long term operation in KOREA   |
| 34   | Studying Safety Assessment and Heat Transfer of the Reactor Pressure Vessel in Nuclear Power Plants using Different Composite Materials  |