

35th IARP National Conference – 2025 (IARPNC2025)

Oral Presentations

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T1003	S N Namitha, B S K Lavanya, A A Tasneem Mahyoub, K S Pruthvi Rani, Mohamed Hidayath, M S Chandrashekara,	Radon Exhalation and the Distribution of Uranium, Thorium, and Potassium in Soil of Kodagu District, Karnataka
T1008	Shailesh Joshi, Ruthmary S, Madhusmita Panda, Annalakshmi O., C.V. Srinivas,	Ammonium Oxalate Monohydrate As Epr Based Chemical Dosimeter
T2001	Sharon Gloria, Chitra Balaji, K.Varalakshmi,	Internal Dose Control Measures At Madras Atomic Power Station, A 220MWe Pressurized Heavy Water Reactor Using Modified PPEs
T2005	Arun Stanley, A. Jasmin Sudha, T. Sathiyasheela,	Demonstration Of Safety Against Spatial Perturbations In PFBR Through Eigen Value Separation
T2008	Riya Dey, Sanjay Singh, S Anand,	Numerical Modelling Of Airflow And Particle Deposition In Containment Pipelines
T2012	R. Sarangapani,	Radiation Level In Reactor Containment Building Of FBTR After A Postulated Single Pin Failure Incident
T2013	Abinash Chakraborty, Riya Gupta, Anish Ansari, Neeraj Parashar, Dhananjay Kumar Pandey, J P N Pandey,	Quantifying ALARA – A Dose Dynamical Approach To Radiation Protection
T2028	K S Babu, Saurav, Lalit K Vajpyee, Maga Ram Tarad, Ras Bihari Rakesh, Rakesh Ranjan,	Radiological Safety Experience During Decommissioning Of Pressurised Water Loop At CIRUS Reactor
T2036	Jaison T John, K. Sreekumar, Harikumar M, Aditi C Patra, S K Jha,	Depth Profile Of Norm Levels In Two Inland Mining Areas Of IREL Chavara
T2052	Gopal P. Verma, N. K. Sethy, A. C. Patra, V. N. Jha, K. A. Dubey, D. K. Aswal,	Investigation of ambient gamma radiation dose rates and radon activity concentrations in the model house constructed using uranium mill tailings
T2061	Jayesh Manohar Ghodke, Rakesh Kushwaha ¹ , Ramdas Mharse ¹ , Ps Raveendran ¹ , V Parashar ¹ R Murali ² , K Venkata Ramana ³	ALARA Practices Employed At Taps 1&2 During Reactor Recirculation Loop Replacement Activities
T3008	Prasanta Kumar Sahani, Haridas G., Anand Moorti, J. A. Chakera, Rajesh Kumar Sahu,	Radiation Source Term For Petawatt Ti:Sapphire Laser Plasma Facility At RRCAT
T3014	Shelly Goel, Biswajeet Nayak, Sharad Lohar, Amar Pant, V. Shreenivas, Ashokkumar P.,	Characterization Of Radioactive Waste Generated During ⁹⁹ Mo Batch Production
T3022	Jayadevan P M,	Application Of Failure Mode And Effect Analysis To Medical Emergency Management In High Dose Iodine Therapy

T3025	R Jana, Anmol Batra, P Chaudhury,	Study on the significance of geo-location of micro-meteorological stations on short-term Gaussian Puff Modelling in complex terrains using Ar-41 as a gamma tracer
T4004	Athira B Varrier, Preetha T P, M.Menaka,	Contamination Monitors Calibration System
T4007	Lokpati Mishra,	Online Actinide In-Vivo Monitoring Portal: An Overview
T4011	Soumitra Panda, Smita Thakur, Bholanath Mahanty, Pramilla D. Sawant,	A Rapid Technique For Estimation Of ²⁴¹ Am In Filter Paper Using Polymer Inclusion Membrane
T4028	Madhur Swarnkar,	Assessment Of Cosmic Radiation Dose Rate At Visakhapatnam Using Thermoluminescence Dosimeters And Soil Radioactivity
T5004	Sagar Baraiya,	Development Of A Server-Based Web Application For Remote I-131 Monitoring System
T5011	Priyanka J Reddy, Sangeeta J Sartandel, Sunil A Yadav, Rajesh Sankhla,	Development Of Methodology For Simultaneous Estimation Of Sr90 And Cs137 Concentration In Filter Paper Samples
T5012	Amar D Pant, Sajin Prasad, Amit K Verma, Anilkumar S Pillai,	Assessment Of Radio Xenon In Reactor Systems Using Gamma Spectrometry
T5021	Jayesthi Mali, Shobha Ghodke , Sudesh M. Tripathi, Meghnath Sen, Shamim Akhtar, Sneha Chandrasekhar, Probal Chaudhury,	Neutron Fluence Rate Measurements In Experiment Canal Of FBTR
T5025	Jis Romal Jose,	Development Of A Communication Interface Module For Backpack Gamma Spectrometry System For Real Time Data Transfer To A Server-Based Web Application
T6005	Pazhayath M Ravi,	Biomass Methodology For Radiological Environmental Impact Assessment (REJA)
T6012	Anu David Raj, Suresh Kumar, K R Sooryamol, Sankar M ,	Fallout Radionuclide (¹³⁷ Cs) Analysis For Assessing Climate Change Impacts On Soil Erosion-Insights From The Indian Himalayas
T6027	Anmol Batra,	A Diagnostic Two Dimensional Wind Field Model Based On Point-Iterative Technique
T6033	Deepak Kumar, S Kumar, J Kumar, A K Sharma, Vineet Kumar, B Singh, V Kumar, Y P Gautam, I V Saradhi,	Seasonal Dynamics Of Gross Alpha, Gross Beta And Beryllium-7 Activity In Airborne Particulates At The Naps Narora Site
T6044	C.B. Dusane , Sandeep P, Suchismita Mishra, Sukanta Maity, Subhankar Manna, Anilkumar S. Pillai,	Application Of In-House Synthesized Hydroxyapatite For Uranium Recovery From Acidic Raffinate Samples
T6046	S N Tiwari, A K Gocher, N K Meena, S P Tailor, Tejpal Menaria, I V Saradhi,	Assessment Of Dose Rates To Non-Human Biota Around Rawatbhata Rajasthan Through Terrestrial Route Using Erica
T6059	J.Thulasi Brindha, K.R.Sreedevi, T. Jesan , I.V.Saradhi ,	Diurnal Variation Of H-3 Activity In Air Moisture Samples At Kalpakkam
T6064	Sanyam Jain, T K Reji, J P James, M S Vishnu, I V Saradhi,	Decadal Trend And Seasonal Variability Of Gross Beta Activity In Airborne Particulate Matter At Kaiga, Karnataka

T6088	A.P. Vijith, Rosaline Mishra, B.K. Sapra and N. Karunakara	Study of continuous behavior of ²²² Rn progeny and aerosol size fractions in the indoor air
T6093	Arya Krishnan K, Bharath and Karunakara N	Thermal oxidation and liquid scintillation counting method for the carbon-14 determination for quantifying the natural and synthetic components in bio-based products
T7003	C S Sureka, Samta N , Sivananthan Sarasanandarajah,	Principal Component Analysis On Computed Tomography Imaging For Enhanced Disease Detection And Diagnosis.
T7007	Varshitha K. S., Smithri Manilal, J. P. N. Pandey,	Surface Contamination Clearance Levels For Metal Wastes With Uranium Contamination
T7012	Soumen Sinha, B. Sapra,	A Critique On Criteria For Notifying Nuclear Incident Under Civil Liability For Nuclear Damage Act, 2010
T8001	Kaliprasad. C. S, Ganeshprasad T Kalgal,	Seasonal Variations Of Uranium Concentration In Water Produced Around Chikkaballapura District, Karnataka, India
T8004	P. Venkatraman, Lalit Mohan Aggarwal, Sunil Choudhary,	Utilizing Scattered Radiation: Activated Carbon-Based Solar Cells For Alternative Energy
T8005	Y P Gautam, Vineet Kumar, S Kumar, J Kumar, A K Sharma, D Kumar, B Singh, I V Saradhi,	Measurement Of Natural Radioactivity And External Hazard Index In Soil Around GHAVP Site ,Haryana

Poster Presentations

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T1002	Praveen Dubey, Nitin Choughule, Alok Srivastava,	Industrial safety management practices to enhance safety culture in BARC
T1004	M.Manohari, S. Priyadharshini, K. Bajeer Sulthan, C. Venkata Srinivas,	Efficiency of Standing Whole-Body Monitor as a function of size
T1005	M.Manohari, S. Priyadharshini, K. Bajeer Sulthan, C. Venkata Srinivas,	Uninterrupted In-Vivo Monitoring and accurate dose estimation through Quality Assurance
T1006	M.Manohari, S. Priyadharshini, K. Bajeer Sulthan, C. Venkata Srinivas,	Optimum detector for the estimation of internal exposure due to fission products in case of both normal operations as well as emergency situations.
T1007	Madhusmita Panda, Shailesh Joshi, Anjali Verma, Annalakshmi O., C.V. Srinivas,	SMD chip resistors as effective thermoluminescent retrospective dosimeters
T1009	R. P. Rout, R. Mishra, R. Prajith, Arshad Khan, B. K. Sapra,	Development of a Si PIN diode based portable Radon Progeny Monitor
T1010	Jalaluddin Shah, Rosaline Mishra, Rajeswari Rout, Rama Prajith, Arshad Khan, B.K. Sapra,	Study of Track Parameters of a Particles with Different Energies in CR 39 Solid State Nuclear Track Detectors (SSNTD)
T1011	Asher Nebin R. T.,	Exhalation Rates of Radon and Thoron Gases from Kalpakkam, Parangipettai and Kanyakumari Beach Sand Samples: A Comparative Study.
T1012	Kondala Rao R., Jasmin Sudha A.,	Development and validation of a finite angle method based 3D multi-group neutron transport model for criticality and shielding analysis of nuclear facilities
T1013	Srilakshmi B P,	Engineering Silicone Rubber based Polymer Composites with multifillers for Enhanced Gamma Shielding, Thermal and Mechanical Properties
T1014	Bathula Sreekanth, Sagar Baraiya, Sharma M K, Probal Chaudhury,	Comprehensive Impact Assessment of Radiological Dispersal Device (RDD) Scenarios: Addressing Conventional and Radiological Effects
T1015	Vivek Kaushik, Sabyasachi Paul, S Anand, Sunder Sahayanathan,	Calculations of effective radiation quality factors for high-energy cosmic rays
T1016	Shreenivas Vaikuntam, L.Guneshwor Singh, Diksha..Pant, Aditi.C.Patra, Tirumalesh Keesari, Ajay Jaryal, Hemant Mohokar,	Radiological Protection Measures during H-3 Tracer preparation & Injection for Hydrological Investigations
T1017	Jayashri B Mutagar, B.R.Kerur,	Estimation of natural radioactivity and Assessment of radiation hazard indices in soil samples of Dharwad District Navalgun of Karnataka, India.
T2003	Kailash Gharat,	The Influence of Visual Media on Radiation Safety Perception

T2006	Yuvaraj N,	Health Physics experience during In-Service Inspection of Waste Vault at CORAL
T2007	D Karthikeyan,	Development of indigenous alpha spectrometry software (IGASPEC) for revamped alpha detection system
T2009	S. A. Yadav, P. T. Ghare, Bhaktivinayagam A, Vivek Kaushik, A. M. Govalkar, D. P. Rath, Ashokkumar P.,	Estimation of shielding factors for various photon energies using lead impregnated aprons
T2010	S K Nayak, J P N Pandey,	Analysis of the Shielding adequacy of PHWR Spent Fuel Shipping Cask
T2014	Shailesh. M, Sanjay S, H C M Pillay, R V Kolekar,	Tailor-Made Electroplated Calibration Sources for Alpha Counting of Air Samples
T2015	Saparya Chattaraj, Hemachandar V., D.K. Patre, D.P. Rath, Ashokkumar P. ,	Variation in Short-Lived Air Activity in a Radiochemical Laboratory: Dependence on Relative Humidity and Temperature
T2016	Vivek Bara, Deepika Jat, Tanmoy Das, Rajesh Kolekar,	Qualitative Assessment of Uranium samples using CZT Detectors
T2017	Minal Y. Nadar,	Inherent ¹³⁷ Cs contamination in the Csi(Tl) crystal of Phoswich detector
T2018	Bikash Chandra Muduli, Sampanna Panigrahi, Rakesh Tiwari, Hemant Sharma, K. Kannan, V. Ramprasath, J. P. N. Pandey,	Shielding Evaluation of Ion exchange Resin Bed designed for removal of radioactive Cs-137 from active process condensate water in Reprocessing
T2019	Dhananjay K. Pandey, Neeraj Parashar, Abinash Chakraborty, Pankaj Kumar, U. V. Deokar, J. P. N. Pandey,	Implementation of ALARA during replacement of HAWE Heat Exchangers at Reprocessing Plant
T2020	Dinesh K. Patre, Hemachandar V., Saparya Chattaraj, D. P. Rath, Ashokkumar P.,	Study on the leaching of radioactivity from soil samples into aqueous soluble matrix
T2021	S C Sharma , Kanhaiya Jee, R N Dubla, A B Chakane, Kirti, Pankaj Kumar, J P N Pandey,	Determining Self-Absorption Coefficients in Glass Fiber Filters for MOX fuel fabrication
T2022	Ram Sharma, B. Suresh, Vikas Kumar, S.Murugan, J. P. N. Pandey,	Study on Distribution of Activity Profile in Exhaust Filter
T2023	Anoj Kumar, D K Pandey, U V Deokar, J P N Pandey,	Measurement of Radon and Thoron Concentrations at reprocessed U3O8 Storage facility
T2024	Ashish Kumar Singh, U.V.Deokar, A.R.Khot, P. Mathew, J. P. N. Pandey,	Particle size distribution analysis during SS lining cutting of vitrification cell floor
T2025	Mohua Pal, Sanjay Singh, S. Anand, Sureshkumar M K,	Experimental Study on Aerosol Transport and Temporal Evolution in a Mechanically Ventilated Chamber
T2026	Sudheer Nair T, M.K. Sureshkumar, A. Deepa, Kiran K. Padda, Keyur C. Pancholi, G. Anand	Significance of Dose Estimation and Radiological Data Analysis in Safe Management of High Active Spent Resins
T2027	Saurav, Lalit K Vajpyee, Sajin Prasad, Ras Bihari Rakesh,	Quantification of Radioactivity and Its Correlation with Surface Dose Rate of Waste Drums Containing Exhausted Mixed Bed Resin

		from the PCW Purification System of a Research Reactor
T2029	Neeraj Parashar, Abinash Chakraborty, D. K. Pandey, U. V. Deokar, J. P. N. Pandey,	Evaluation of Dilution factors for airborne radioactivity during in-cell works in PUREX Process cells
T2030	M T Valvi, Sajin Prasad, Sanjit Pal, N.S.Bhamra,	Health physics surveillance and experience gained during the removal of activated corrosion deposits from liquid poison injection system
T2031	Sonali P.D.Bhade,	Standardization of TDCR based Liquid Scintillation and Cerenkov counting techniques for estimation of ¹⁰⁶ Ru in various plant samples
T2032	Lokpati Mishra,	Statistical Analysis of Background Lung Monitoring Data using Phoswich Detector
T2034	Clinton S.A. Fernandes, Susheela Sivakumar, Sureshkumar M.K., Tapas Das,	Preliminary Investigation of the Transdermal Penetration of Ruthenium-106 Chloride
T2035	Sarjan Singh,	Uranium Mobility from Mill Tailings under Environmental Conditions
T2037	Rabindra Nath Juine, Bikash Muduli, G M Rao, K Kannan, Lakshmi Narayanan, Anshuman Singha Roy, Tarit K Mandal, V. Ramprasath, J. P. N. Pandey,	Evaluation of detector position and alarm set point for off-gas HEPA filter replacement
T2038	Soumendra Pattanayak, Pankaj Kumar, D P Rath, Ashokkumar P,	Effectiveness of Borated HDPE Shielding in Neutron Dose Reduction
T2039	P.S.Sharma, L.Guneshwor Singh, S.Anand,	Criticality safety evaluation of a MOX material handling facility
T2040	Kamlesh, Ashish K. Singh, K. K. Singh, P. Mathew, U. V. Deokar, J. P. N. Pandey,	Exposure control and ALARA implementation during LLW process tank painting
T2041	Atul Govalkar, Bhaktivinayagam A, P T Ghare, S A Yadav, Vivek Kaushik, Soumendra Pattanayak, D P Rath, Ashokkumar P,	Performance Evaluation of Composite Alpha-Beta Contamination Monitoring Devices
T2042	Dr. T.K. Srinivasan,	Estimation of activity in irradiated Nickel Subassembly of FBTR by HPGe based gamma spectrometry
T2043	B. Vijayakumar, M Balamurugan, I V Saradhi,	A review on internal dose monitoring program at Kudankulam Nuclear Site
T2044	B. Vijayakumar, A V Sathish, I V Saradhi,	Public outreach programs at Kudankulam Nuclear Power Project
T2046	K. K. Singh, Ashish K. Singh, U. V. Deokar, J. P. N. Pandey,	Radiological safety unveiled: Surveillance and exposure control in SPNDs emplacement
T2047	Jayasudha M, Veerendra D, Dr Jayaram U K, Ayan Mukhopadhyay, Vinod Kumar B, Pathak R G, Sunil G K,	Performance evaluation of various scintillation solutions for estimation of C-14 activity in different strengths of sodium hydroxide from gaseous effluents of Kaiga Generating Station-3&4
T2048	K Bajeer Sulthan, M.Manohari, S. Priyadharshini, J.Mohan, M.V. Kuppusamy, K V Rajkumar,	Quality Assurance program for fabrication of graded shield room for actinide monitor

T2049	Chandan Kumar, B.Suresh, S. Murugan, J.P.N. Pandey,	A Validation Study to Confirm Homogeneity of Radioactivity and Establish Dose Rate- to-Activity Conversion Factor for Cemented Waste Product Containing Treated Organic Liquid Waste
T2050	S. Selvaganapathy, B. Suresh, Vikaskumar, S. Murugan, J.P.N. Pandey,	Optimisation of Detector-to-Sample Distance for Quantification of Gamma Activity in a High Active Sample of Vitrified Waste Product
T2053	Chitra Subramanian, Arti S. Mhatre, Praveen Kumar , Pradeep Bhargava,	A study of ¹⁴ C generation in hematite concrete for NPP decommissioning
T2054	K.Sreekumar,	Experience with LoRa TM Based Teledosimeters for Dose monitoring and Control
T2055	Veerendra Danannavar,	Study on corrosion products, control measures and radiation safety at Kaiga Generating Station-3&4
T2056	Samim Molla, V. S. Srivastava, A. C. Patra,	Geopolymer concrete from uranium mill tailings: A study on physical, mechanical, and radiological properties
T2058	Sandeep Kumar Tiwari, A.P.Singh, Sanjay Kumar, Sanjeev Kumar, V.P.Singh, S. K. Pal, Rakesh Tewari, K. Venkataramana	Experimental study on use of Tritium activity as a tool for identification of leaky Coolant Channel
T2059	Deepak Nayak, Ramdas Mharse,Gourab Goswami, Ps Raveendran, V Parashar, R Murali, K Venkata Ramana,	Usage of different types of shield plugs for shielding of retained portions of reactor recirculation loop opening
T2060	Suman Choudhary, Archana Raut, B K Rautela, P S Raveendran, V Parashar R Murali, K Venkata Ramana	Health Physics Operating Experience In Waste Handling During Recirculation Loop Replacement Works At TAPS 1 & 2
T2062	S. Murugan	Estimation of effective dose from Radon and Thoron air activity during maintenance of tray drier at Uranium Oxide Facility
T3001	Sherry Shajan Kuttakaran, Ambika M. R, Nagaiah N., Srilakshmi B. P, Deepika D. N,	Novel Trilayered Polymer Composite - A radiative protective medical wear
T3002	Ramaniyuvaraj, M.Menaka,	Gamma Irradiationstudies in the field of Medical, Industrial and Agriculture at IGCAR.
T3003	Dilip K Gupta, Haridas G, R K Sahu,	Integrated photon dose measurement in Zone -2 areas in Indus Accelerator Complex
T3004	Anandakumar,	Effect of UV-C Radiation and Edible Coating on Controlling Sprouting in Potato
T3005	Arup Singha Roy, M Sengupta Mitra, G Haridas,	Radiological Assessment of Soil Samples around K130 and K500 Cyclotron Vaults
T3006	Satish K Mishra, Arup Singha Roy, Riya Dey, Mausumi Sengupta Mitra, G Haridas,	Preliminary Dose Assessment inside vault during Operation and Maintenance of K-500 Cyclotron at VECC
T3007	D N Sangeeta , Menaka,	Role of Retention Efficiency Testing of filter banks for controlling effluent release in Fast Breeder Test Reactor

T3009	Vipin Dev, Prasanta Kumar Sahani, Sumit Kumar, Taruni Kumar Sahu, Mahendra Kumar Nayak, Dilip Kumar Gupta, Haridas G, Prabhat Kumar Gupta, Rajesh Kumar Sahu,	Radiological status of HTS facility at RRCAT, Indore
T3010	Reena Sharma, Shivani,	In Vivo Dosimetric Analysis of VMAT Total Body Irradiation Patients using Optically Stimulated Luminescence Dosimeters
T3011	Riya Dey, Arup Singha Roy, S K Mishra, M Sengupta Mitra, G Haridas,	Impact of Wall Scattering and Maze Geometry on Neutron Dose Distribution in a Proton Irradiation Cave
T3013	Pratap Singh, Arijit G, R. K. Mondal, S. K. Suman, K. A. Dubey, Y. K. Bhardwaj,	Effect of morphology of Bismuth Oxyiodide based flexible composites on high-energy radiation attenuation
T3015	Mahendra K, Yashodhara I,	Effect of Gamma irradiation on the structural, optical and electrical properties of Cadmium Sulphide nanoparticles
T3016	Biju Keshavkumar, Vitisha S. Dagle, Srinivasan P.,	Neutron yield and spectrum from photo-fission target by 50 MeV electron bremsstrahlung
T3018	Tanmay Sarkar, S S Suman, S Anand,	Comparative shielding efficacy of composite materials as lead alternatives for gamma shielding
T3019	Nitin Bhosale,	Dose Rate Assessment and Shielding Thickness estimation for 6MeV LINAC Facility
T3021	Liji Shaiju, Sunil K Singh, Aashna Gupta, Soumen Dey, Sneha C, Probal Choudhury,	Assessment of Lead Equivalence in Lead glass used for Radiation Shielding Applications
T3026	L. Guneshwor Singh, Ghanashyam Sahani, Jolly Joseph,	Radiological impact assessment of radioactive waste discharged from Nuclear medicine facilities
T4001	Deepika D N, Ambika M R, Nagaiah N, Karunakara N,	Investigation on the activity concentration of alpha emitters in the groundwater samples- A study from the southwestern part of Bengaluru, Karnataka, India
T4003	Kalaiselvi S, Jashi K B , Pandaram P,	Effectiveness of annealing using Oven with PID based controller and conventional controller – A comparison
T4008	Rahul Roy, Rajesh Sankhla, J.R. Yadav, Pramilla D. Sawant,	Counting efficiencies of Quick Scan Whole Body Monitor for adult and paediatric reference computational phantoms
T4009	Nanda Raveendran, Smita Thakur, J.R. Yadav, Pramilla D. Sawant,	Radiochemical estimation of ²²⁶ Ra in urine sample
T4012	Kothai Parthasarathy, Ramani Yuvaraj,	Study on the Response Characteristics of Bubble Detector with respect to Rem Counter in Neutron Detection
T4013	Bommadeni Arun,	Investigation of modified Fricke dosimeter for low-dose irradiation applications
T4014	Nishasri S , Sureka Cs , Thirunavukkarasu V, Gurusaravanan P, Priya Dharshini T ,	In-vitro study on the potentiality of Traditional Black Seeds and Indian Black Berry extracts as Natural Radio Protectors

T4015	Sugumar P,	Study on measurement of anisotropy factor for a sealed 185GBq Am-Be source
T4017	P. Venkatraman, C.S. Sureka,	Clinical and Economic Considerations of Kilovoltage Arc Beam Therapy
T4018	S K Nayak, B C Muduli, Rakesh Tiwari, J P N Pandey,	Performance Evaluation of Electronic Personnel Dosimeter for Neutron Dose Equivalent H*(10) Measurement using different Neutron sources
T4019	Sandeep K. Patil,	Field study to correlate photon radiation category with data of ratio of disc response of thermoluminescence dosimeter at nuclear fuel processing facility
T4020	Pankaj Kumar,	Assessment of Whole-Body and Extremity Radiation Dose Correlation in MOX Fuel Fabrication
T4021	R N Dubla, A B Chakane, J B Kumawat, Kirti, S Sharma, Pankaj Kumar, J P N Pandey,	Inter-comparison of passive & active personal dosimeter for multiple gamma energies at MOX fuel fabrication
T4022	P. Venkatraman, C.S. Sureka,	Comparison of Kilovoltage Arc Beam Therapy and Volumetric-Modulated Arc Therapy Using Monte Carlo Simulation
T4024	Sridhar Sahoo, T. Palani Selvam,	Monte Carlo calculation of dose deposition kernels for ³² P and ⁹⁰ Sr/ ⁹⁰ Y beta sources used in nuclear medicine therapy
T4026	T.Krishnamoorthi,	The effects of physicochemical properties on gamma emitting natural radionuclide levels in the soil of Tirunelveli District, Tamil Nadu, India
T4027	Charubala C S,	Estimation of Cs-137 Body Burden in Externally Contaminated Radiation Workers
T4029	P.G. Shetty,	Preoperational environmental gamma radiation monitoring around upcoming GHAVP nuclear power plant, Haryana.
T4030	R.A. Takale,	Analysis of operational gamma radiation monitoring in relation to baseline data in and around Kudankulam Nuclear Power Plant, Tamil Nadu
T4031	Vivek Kaushik, Sabyasachi Paul, S Anand, Sunder Sahayanathan,	Quality Factors for Proton Radiation: A Monte Carlo Study Using ICRP Reference Computational Phantoms
T4032	S. P. Prabhu,	Screening procedure for gross alpha emitters in urine using extraction chromatography
T4033	H.K. Patni, P. K. Singh, D.K. Akar, P. D. Sawant,	Organ S-values for ICRP Adult Reference Mesh Phantoms due to ¹³¹ I Present in Thyroid
T4034	Vandana P. Ghare, H.K. Patni, D.K. Akar, Pramilla D Sawant ,	Impact of Revised Biokinetic Models on Dose Calculations for ¹³⁷ Cs
T4036	Deepak Kumar, Y P Gautam, S Kumar, J Kumar, A K Sharma, B Singh, V Kumar,	Validation study of the Quick scan whole body monitor for In-Vivo Measurement at Narora Atomic Power Station
T4037	Suma Nair,	Estimation of Gut absorption factor of Uranium in Adult Indian population using the data on Daily Intake and Urinary Excretion
T4038	Rupali Dubla, Nanda Raveendran, Ranjeet Kumar, J.R.Yadav, Pramilla D. Sawant,	Sequential separation of Uranium and Plutonium in urine sample using DGA resin

T4039	S. K. Tibrewala, U. V. Deokar, J. P. N. Pandey,	Intercomparison of ambient and directional dose equivalents in a typical nuclear facility
T4040	Suja A. Kumar, B. Mahanty, A. Bhattacharyya, P.D. Sawant,	Polyoxometalate (POM) based composite material for the extraction of americium: Photoluminescence study
T4041	Tarak Nath Nag, V. S. Srivastava, Aditi C Patra,	Radiological assessment of Banduhurang open cast mine in Jharkhand, India
T4042	Aashna Gupta, Sunil K. Singh, Liji Shaiju, Soumen Dey, Sneha C., Probal Chaudhury,	Uncertainty evaluation for the calibration of radiation monitors
T4044	Mannu Mann, Smithri Manilal, Jpn Pandey,	Comparative Study of Alpha Spectrometry and LED Fluorimetry for Uranium Bioassay
T4045	Bose Nathaniel V,	Feasibility Study Of Using KVCBCT Images As Patient Specific Quality Assurance Tool.
T4047	Jomol Thomas,	Dosimetric Assessment Of 6 FF, 6FFF Beam Volumetric Modulated Arc Treatment Plans For Nasopharyngeal Cancer With And Without Multi-Criteria Optimization
T4048	Rajesh Sankhla,	Development of standalone Wound Monitor for High Energy Photon Emitters
T4049	Manohari M, S.Priyadharshini, C Venkatasrinivas,	Equivalent doses to different organs due to external exposure to ¹³⁷ Cs point source
T4050	B.M.Chandrika,	Empirical relation for mass attenuation coefficients for Lead and Bismuth nanocomposites
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T5001	Mahendra R. More,	Development of Sealed D-T Neutron Generator for dosimetry and industrial applications
T5002	Padi Srinivas Reddy, Abhishek Kumar Pandey, R. Amudhu Ramesh Kumar, M. S. Gopikrishna, Falix Lawrence, K. A. Venkatesan, M. Geo Mathews , K. Rajan,	Implementation of a PoE Camera-based Visual Monitoring System in the Hot-Cells of a Reprocessing Plant
T5003	Padi Srinivas Reddy, R. Prakash, Abhishek Kumar Pandey, R. Amudhu Ramesh Kumar, M. S. Gopikrishna, M. Geo Mathews , K. Rajan,	Evaluation of Commercial Video Cameras for Hot-Cell Applications in Reprocessing Plant
T5005	Shaikh Aatef Kamal, Gupta Ashutosh, Kulkarni D.B., Sharma M.K., Chaudhury P.,	Development of Multichannel Coincidence Analyzer Module for Beta-Gamma Coincidence Counting
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T5007	Shivam Agarwal, Aatef Kamal Shaikh, Amit Jain, M K Sharma, Probal Chaudhury,	Development of a Radiation Monitoring Dongle for an Android Smartphone
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