

ORAL LIST

Wednesday, February 11, 2026		
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Thursday, February 12, 2026		
<i>Time: 16:00-18:00</i>	Session-7A	Session-7B
	A-25, A-28, A-32, A-34, A- 35, A-38, G-12, G-13, G-14, G-15, H-5, H-7	B-8, B-9, B-14, C-3, C-6, D- 5, D-6, D-7, E-6, E-7, E-8, F- 4
Friday, February 13, 2026		
<i>Time: 16:00-18:00</i>	Session-10A	Session-10B
	A-42, A-44, A-50, A-51, A- 53, A-54, A-68, G-17, G-18, G-25, H-10	B-15, B-16, B-17, C-8, C-9, D-8, D-9, D-18, D-19, E-12, E-14, E-16

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<i>Time: 14:00-16:00</i>	A-41, A-43, A-45, A-46, A-47, A-48, A-49, A-52, A-55, A- 56, A-57, A-58, A-59, A-60, A-61, A-62, A-63, A-64, A-65, A-66, A-67, A-69, A-70, A-71, A-72, B-13, B-18, B-19, B- 20, B-21, B-22, C-5, C-7, D-16, D-17, D-21, D-22, D-23, E- 15, E-17, E-18, E-20, E-21, E-22, E-23, F-5, F-6, F-7, G-16, G-19, G-20, G-21, G-22, G-23, G-24, G-26, H-9, H-11, H-12, H-13

Sr No.	Paper No	Abstract title	Author's name	Corresponding author name	Allocation
1	A-3	Recovery of Technetium-99 from Iron Oxide based Radioactive Sludge	Dhanesh Sasidharan, J. Selvakumar, Srinivasan S., Srinivasa G,	J. Selvakumar	Oral
2	A-4	Exploring separation of Sr from aqueous solution using raw and alkali activated bentonite	Nibedita Samanta, Shobana Divya, Tushar Roy, V Hemalatha, Hrudananda Jena, V Jayaraman,	Nibedita Samanta, Hrudananda Jena	Oral
3	A-11	Validation of ALSEP concept for separation of Am(III) from a synthetic mixture of early lanthanides	Prathibha T, B. Robert Selvan, Suneesh A.S, Alok Rout, Amutha Suba M, Ramanathan N,	B. Robert Selvan	Oral
4	A-12	A Combined DFT–MD Investigation of Zr(IV) Selectivity in TAP and DAAP Organophosphorus Extractants	Somnath Sengupta, B Sreenivasulu, C V S Brahmananda Rao,	B. Sreenivasulu	Oral
5	A-16	Separation of ²³⁷ Np from fast reactor spent fuel	T Aneesh, Sagunthala Devi, K Dhamodharan, K A Venkatesan.	K Dhamodharan	Oral
6	A-19	Novel Organo H-phosphonate-Based DES for Nuclear Fuel Cycle Applications: Synthesis and Exceptional Uranium Extraction Behavior	Arkaprava Layek, Ruma Gupta, B Sreenivasulu,	Ruma Gupta	Oral
7	A-22	Instantaneous Aqueous Iodine Sorption using Silver-Incorporated Aluminosilicate synthesized from Fly ash	Atanu Das, Aishwarya S Kar	Aishwarya S Kar	Oral
8	A-25	Amino-Imidazole Modified Polystyrene Copolymer for Efficient Palladium Removal from Acidic Waste Solutions	A S Suneesh, Ariram Ganapathi, N Ramanathan,	A.S. Suneesh	Oral
9	A-28	Mutual separation of of Am (III) and Eu(III) from SHLW using Mixed Ligand Polymeric Beads	Rajesh B. Gujar, Nisha Yadav, Bholanath Mahanty, Arunasis Bhattacharyya,	Rajesh B. Gujar	Oral
10	A-32	Tunable Nitrogen Sites in COFs Enable High-Efficiency Palladium Recovery in Acidic Media	M Poornima, S Ramakrishna, K.A Venkatesan,	K.A Venkatesan	Oral
11	A-34	Bi ⁽⁰⁾ - Nano composite for iodine capture: An effort towards radioactive iodine management	Pasupati Khan, Sumit Pahan, Tessy Vincent,	Pasupati Khan	Oral

12	A-35	Hydrophilic BTP assisted lanthanide-actinide separation from SHLW	Dharmendra Sharma, Seraj Ansari, Arunasis Bhattacharyya,	Dharmendra Sharma	Oral
13	A-38	Advancing Nuclear Forensics through Imogolite Assisted Actinide Sequestration and Direct Alpha Spectrometry Coupled with Computational Response Modeling and Analysis	Satyam Kumar, Sabyasachi Patra, Aneek Dutta, Rahul Tripathi	Sabyasachi Patra	Oral
14	A-42	Computational Investigation into Y/Sr Selectivity with TBP and TiAP Extractants	Somnath Sengupta, B Sreenivasulu, C V S Brahmananda Rao.	B Sreenivasulu	Oral
15	A-44	A comparative study of different glycolamide solvent systems for the group separation of trivalent lanthanides from simulated HLLW	Monisha G, Prathibha T, Manisanakar Palai, Ramanathan N.	Prathibha T	Oral
16	A-50	Exploring anion functionalized ionic liquids in dissolution of UO ₃	Dipita Karmakar, Ashutosh Srivastava, Arijit Sengupta,	Dipita Karmakar	Oral
17	A-51	Optimization of Process Parameters for Pyrolysis cum Incineration of Cellulosic and Polymeric Materials on Continuous Mode to Minimize Chlorine Content of Ashes	Avinash Sahu, Tessy Vincent, Sugilal G.	Avinash Sahu	Oral
18	A-53	Synthesis and evaluation of layered bimetallic sulfides for strontium removal	Abdul P, Dhananjay Jha, Anupkumar Bhaskarapillai.	Abdul P	Oral
19	A-54	Scale-Up of Gaseous Sparging Experiments for Actinide Removal from Used Salts in Pyrochemical Reprocessing	Pabitra Ghosh, A. Lali, M. Kakkum Perumal, A. S. Ganapathi, S. Mariyappan, S. Rajarajeshwari, Manish Chandra, Shiv Ruhela,	Manish Chandra	Oral
20	A-68	Extraction of trivalent lanthanides and actinides with combined extractant impregnated polysulfone bead	Priya, Rajesh B. Gujar, B. Mahanty, A. Bhattacharyya	Priya	Oral
21	B-1	Studies on the uptake of Uranium(VI) from acidic feeds using extraction chromatography resins containing TBDGA- C ₄ mim.NTf ₂ extractant	A Yadav, M Kesarkar, Partha Sarthi, A Kelkar, A Kumar, B Sathe, P Mohapatra,	A Yadav	Oral
22	B-4	Online solid phase separation assisted trace impurity characterization of U ₃ O ₈ by	Abhijit Saha, M Shafeeq PP, Sadhan Bijoy Deb,	Abhijit Saha	Oral

		electrothermal vapourization inductively coupled plasma optical emission spectroscopy			
23	B-5	Investigation of Uranium–TBP Complex Solubility in Supercritical Phase: Experiments and Predictive Modelling	K C Pitchaiah, R Hariharan, J Elamathi, A Divya, C V S B Rao,	K C Pitchaiah	Oral
24	B-6	Prediction of Thermodynamic Properties of Trialkyl Phosphates Using Group-Contribution Methods	Amrithaa Raghavan, Sumeshrajan Kumaran, Pitchaiah K.C, Chandrasekhar Garlapati,	Chandrasekhar Garlapati	Oral
25	B-8	Development of new association theory based model for correlating the solubility of actinide-specific ligands in SCCO ₂	A Divya, K.C. Pitchaiah, C.V.S.B. Rao,	K.C Pitchaiah	Oral
26	B-9	Dibenzoylmethane based Liquid–Liquid Extraction Method for Selective Extraction of Lithium from Secondary Sources	Vatsal Trivedi, Saikrishna D., Shekhar R.,	Vatsal Trivedi	Oral
27	B-14	Speciation and Extraction of Nd-Pr by D2EHPA-Thymol Deep Eutectic Solvent	Soumyashree Priyadarshinee, Arpita Patra, K.J. Sankaran, Benadict Rakesh	Benadict Rakesh	Oral
28	B-15	Sequential Extraction of Rare Earth Elements, Strontium and Cesium: A Green Approach for Simulated Nuclear Waste	Saikrishna D, Vatsal Trivedi, Shekhar R,	Saikrishna D	Oral
29	B-16	Extraction of Bioactive Compounds from Electron Beam Irradiated Natural Honey from Diverse Region of Western Ghats	Ejazul Haque Malik, Prerna Sharma, Ashok Pandey, Hemlata Bagla,	Hemlata Bagla	Oral
30	B-17	Choline Chloride-Hexanoic acid based HDES – Synthesis, Spectral Characterization, Physico-chemical properties and its use in solvent extraction of La(III)	Nanda Mohanta, Puspallata Rajesh, Sujata Mishra,	Sujata Mishra	Oral
31	C-1	Preparation of enhanced hydrophobic polyvinylidene fluoride membranes by vapour/non-solvent induced phase separation for Membrane Distillation	Anik Paul, A. K. Ghosh	A. K. Ghosh	Oral

32	C-2	Electric field assisted migration of H ⁺ and Cu ⁺ /Cu ⁺⁺ ions through Nafion in Cu-Cl electrolyzer for Hydrogen Generation: Molecular dynamics Simulations	Pooja Sahu, Sk. Musharaf Ali	Pooja Sahu	Oral
33	C-3	Studies on performance of Reverse Osmosis Membrane for treatment of Simulated Effluent from Solvent Production Plant of a Heavy Water Industry	A.S.J. Hamilton, M.Srinivas, S.Sukumar, G.Venkatesu, A. K. Ghosh	A.S.J. Hamilton	Oral
34	C-6	Effect of Steam on Decomposition of Ammonia in Packed Bed Membrane Reactor	Bharat Rengarajan, Bipin C Nailwal, Nitesh Goswami, Soumitra Kar, Salil Varma, Adarsh Kumar Dureja, Tuhin Misra	Bharat Rengarajan	Oral
35	C-8	Development of Membrane for Concentration of Noble Gases	Deep Singh, Bipin Chandra Nailwal, Nitesh Goswami, Soumitra Kar, Sandeep K. C. A. K. Ghosh, Tuhin Misra	Deep Singh	Oral
36	C-9	Effect of TiN Coating Thickness on Corrosion and ICR Behavior of AISI 316L Bipolar Plates for Proton Exchange Membrane Fuel Cells	J. Suresh Kumar, P. Deva Priya	J. Suresh Kumar	Oral
37	H-3	Processes Governing Groundwater Salinization in the Bhuj Sandstone Aquifer: Insights from Hydrochemical Speciation and Inverse Geochemical Modelling Study	Annadasankar Roy, Tirumalesh Keesari	Annadasankar Roy	Oral
38	H-4	Design and synthesis of small organic molecular heterocyclic scaffolds for selective recognition and separation of actinides	Debarghya Sau, Sumana Ghosh and Samik Nanda	Samik Nanda	Oral
39	H-5	Investigation of interfacial species formed on sorption of selenite oxyanion on iron oxyhydroxide polymorphs	Snigdha Srabane, Sumit Kumar	Sumit Kumar	Oral
40	H-7	Redox speciation of Uranyl ion in eutectic solvent electrolytes for advancement of Uranium Redox Flow Battery (URFB)	Krishnaveni S. Yadav, Ashutosh Srivastava, S. Jeyakumar, Rajratna Prakash Tayade, Rahul V Pinjari	A. Srivastava & S. Jeyakumar	Oral

41	H-10	Redox speciation of Uranium at ATMP functionalized Magnetic nanoparticle modified electrode	Apeksha A. Kadam, Ashutosh Srivastava, S. Jeyakumar	Ashutosh Srivastava, S. Jeyakumar	Oral
42	D-1	Furan-derived Pillar[4]arene[1]quinone crystals for efficient adsorption of iodine	Arivazhagan Roja and Murugan Arunachalam	Murugan Arunachalam	Oral
43	D-2	An Eco-conscious, Sustainable Schiff Base-Integrated Porous Polymer Monolith for Rapid and Sensitive Visual Quantification of Thorium Ions	Basava Sai Kumar, Akhila Maheswari Mohan	Akhila Maheswari Mohan	Oral
44	D-3	A Novel Three-Dimensionally Interconnected Porous Organic-Inorganic Hybrid Monolith as a Probe Anchoring Template for Solid-State Optical Sensing and Preconcentration of UO_2^{2+}	Balasundar K, Akhila Maheswari Mohan	Akhila Maheswari Mohan	Oral
45	D-5	High-Performance Iodine Adsorption using a Benzylated β -Cyclodextrin-Triazine-based Porous Organic Polymer	K.M. Venthanasu, and Murugan Arunachalam	Murugan Arunachalam	Oral
46	D-6	Dual-functional Zr-MOF for Rapid Chromogenic Detection and Highly Selective Recovery of Ru^{3+} from Industrial and Electronic Waste Leachates	Keetha Harshini K S, M Akhila Maheswari	M Akhila Maheswari	Oral
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48	D-8	A Comparative Study on the Removal of Malachite Green Using Titanium amino tris (methylene phosphonic acid) (Ti-ATMP) and Zirconium amino tris-methylene phosphonic acid (Zr-ATMP) as an adsorbents	Krishna Panchal and Brijesh Shah	Brijesh Shah	Oral
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50	D-18	Development of an Analytical Method for the Quantitative Estimation of T2EHDGA in Spent Solvent	Deepika Nair, Hriday Maji, D. Banerjee, Tessa Vincent, G. Sugilal	Hriday Maji	Oral
51	D-19	Acid-Resistant Magnetic Silica–Biochar Nanocomposites: Potential solution for Sustainable Recovery of Rare Earths and Uranium from Complex Aqueous Matrices	Bhavya Swami, Pankaj Patidar, Nitin Khandelwal	Nitin Khandelwal	Oral
52	E-2	High-Resolution Quantification of Trace Level Fluoroquinolone Antibiotics: An Enhanced RP-HPLC–FLD Approach for Environmental Matrices	Sujan Gayen, D.R. Subhankar Chatterjee	D.R. Subhankar Chatterjee	Oral
53	E-3	Studies on electrochemical recovery of zirconium from Zircaloy-4	Patoju Sai Dilip, S. Nedumaran, R. Kumaresan	Patoju Sai Dilip	Oral
54	E-4	Voltammetric Investigations and Purification of Distilled LiCl-KCl Salt from PPRDF	Suvra Sil, Gurudas Pakhui, Suddhasattwa Ghosh	Suddhasattwa Ghosh	Oral
55	E-6	Development of a Solvent Extraction based Method for the Recovery of ^{90}Y from ^{90}Sr	Chayan Patra, Chandan Mukhopadhyay, C. Shibina, K. Dhamodharan, J. Kodandaraman and K.A. Venkatesan	K.A. Venkatesan	Oral
56	E-7	Development of an ion chromatography method for determination of boron in high fluoride pyrohydrolysis distillate of molten salt	U. K. Thakur, M. K. Das, V. G. Mishra, P. G. Jaison	V. G. Mishra	Oral
57	E-8	Removal of Arsenic from drinking water using zero-gap diaphragm based electrochemical cell	Lisa Nayak, S. Thangavel, G. Venkateswarlu, K. Dash	S. Thangavel	Oral
58	E-12	Development of displacement chromatography setup for h/d separation for low concentration feeds	Saumyajeet Mukherjee, Krunal Mistry, Sunil Gilbale, Rajesh Kumar, Kalyan Bhanja	Rajesh Kumar	Oral
59	E-14	Electro-refining of U and Gd from U-75wt%-Gd-19wt%-Zr-6wt% alloy at 773K in the presence LiCl-KCl-UCl ₃ -GdCl ₃ electrolyte and modified pool type liquid cadmium cathode	M. KakkumPerumal, S. Rajarajeshwari, S. Mariyappan, A.S. Ganapathi, A. Lali, S. Maharajan, Pabitra Ghosh, S. P. Ruhela and Manish Chandra	Manish Chandra	Oral

60	E-16	Back extraction of Uranium, Yttrium and Lanthanum from U-Cd, Y-Cd and La-Cd alloy to LiCl-KCl salt phase	A. Lali, Pabitra Ghosh, A.S. Ganapathi, M. KakkumPerumal, S. Rajarajeshwari, S. Mariyappan, S. P. Ruhela and Manish Chandra	Manish Chandra	Oral
61	F-4	Substituent Effects in Phosphinic Acids: Alkyl vs Aryl Variants in Uranyl Nitrate Extraction	Sundaresan Jayalakshmi, Puchakayala Rajani, Gopinadhanpillai Gopakumar, C.V.S. Brahmananda Rao	Gopinadhanpillai Gopakumar	Oral
62	G-1	Determination of Composition of Alpha Emitting Radio-nuclides in HLW in Reprocessing Facility	A. Karak, A. K. Tiwari, M. A. Kesarkar, P. S. Mukherjee, A. Kelkar, Aniruddha kumar, D.B. Sathe	A. Karak	Oral
63	G-7	Design & Fabrication of a Multi-task Table for the Radiochemical Separation of ^{32}P from FBTR irradiated SrSO_4 pellets in Hot Cells	T. Kalaiyarasu, D. Bola Sankar, G.V.S. Ashok Kumar, S. Rajeswari, K. Sundararajan.	D. Bola Sankar	Oral
64	G-11	Studies on suitable stripping agent for the quantitative recovery of ^{237}Np from organic effluent	Suraj Mondal, T. Aneesh, S Usha, Bhavya S Nair, Debojyoti Gosh, K Dhamodharan, K A Venkatesan	K Dhamodharan	Oral
65	G-12	Radiochemical Separation of Carrier-Free ^{32}P Produced in FBTR via the $^{32}\text{S}(n,p)^{32}\text{P}$ Reaction	G.V.S. Ashok Kumar, D. Bola Sankar, Manish Chanda, T. Kalaiyarasua, R. Senthilvadivua, S. Rajeswaria, K. Sundararajana	G.V.S. Ashok Kumar	Oral
66	G-13	Applicability of encapsulated porous polymeric beads for extraction of plutonium from urine samples	Seema Chaudhary, S. P. Prabhu, Amit Kanjilal, K. K. Singh, P.D. Sawant	S. P. Prabhu	Oral
67	G-14	Application of EGMP-Based Polymer Inclusion Films for Ultra-Trace Plutonium Pre-Concentration and Detection from Complex Environmental Matrices	Amol Mhatre, Chhavi Agarwal, R. Tripathi	Amol Mhatre	Oral
68	G-15	Extraction Paper Chromatography for Radionuclide Quality Control in $^{89}\text{SrCl}_2$ Radiopharmaceutical	J. Vithya, Manish Chand, A. Arul Kumari, G.V.S. Ashok Kumar, K. Sundararajan.	Manish Chand	Oral

69	G-17	Extraction Studies of Strontium-90 from HLLW from Fast Reactor Fuel using BARC developed Crown Ether	D. Bola Sankar, Manish Chand, Mayur Darekar, G.V.S. Ashok Kumar, S. Rajeswaria, Gaurav Varshney, Sulekha Mukhopadhyay, K. Sundararajan.	G.V.S. Ashok Kumar	Oral
70	G-18	Separation and Purification of Radiochemical-Grade ^{90}Sr from high level wastes of FBTR spent fuels reprocessing	Chandan Mukhopadhyay, R. Karthick, C.Shibina, Chayan Patra, S. Parthasarathy, K. Dhamodharan, Kinkar Mandal and K.A. Venkatesan	K. Dhamodharan	Oral
71	G-25	A Double Column Approach for Preparation of $^{188}\text{W}/^{188}\text{Re}$ Generator using Indigenously Produced Low Specific Activity ^{188}W	Ramu Ram, Khajan Singh and Sourav Patra	Ramu Ram	Oral

Sr No.	Paper No	Abstract title	Author's name	Corresponding author name	Allocation
1	A-1	Numerical Simulations to Predict Performance of Sparger for Xe Removal from Molten Salt	Vignesh Prabhu G, Bipin Nailwal, Nitesh Goswami, Soumitra Kar, Tessy Vincent, Tuhin Misra,	Vignesh Prabhu G	Poster
2	A-2	Simultaneous Si Separation and Sample Decomposition for Accurate Analysis of Th, Nb, Zr and Hf in Granites of Siwana	Komal Chauhan, Sanjay Kumar, Gaurav Bhargava, P. Jagadeesan,	Komal Chauhan	Poster
3	A-5	Spectral and Thermal Characterization of Neutral and Acidic Extractants for High-Level Liquid Waste Treatment	Geetha N, Kumari Anshul, J. Selvakumar, Srinivasan S, Srinivasa G.,	J. Selvakumar	Poster
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5	A-7	Functionalized graphene oxide-polystyrene composite microspheres synthesized through in situ polymerization route for efficient uranium separation	A S Suneesh, N Ramanathan,	A.S. Suneesh	Poster
6	A-8	Fly Ash Based Geopolymers as Potential Adsorbents for Separation of Cesium from Aqueous Nuclear Effluents	Tushar Roy, Shobana Divya, Nibedita Samanta, N Murugesan, Hrudananda Jena.	Hrudananda Jena	Poster
7	A-9	Palladium removal from simulated HLLW using amine modified polystyrene copolymer	A S Suneesh, Ariram Ganapathi, N Ramanathan,	A.S. Suneesh	Poster
8	A-10	Selective Recovery of Zr(IV) from Hf(IV) and Ti(IV) in Nitric Acid Media Using Tri- <i>n</i> -Amyl Phosphate and Di- <i>n</i> -amyl- <i>n</i> -amyl Phosphonate	T Revathy, B Sreenivasulu, CVS Brahmananda Rao,	B. Sreenivasulu	Poster
9	A-13	Extraction of studies of cesium from aqueous solution by a synthetic zeolite	Robert B, Manikandan P, Amutha M, Ankita Paul, A.S. Suneesh, Ramanathan N,	A.S. Suneesh	Poster
10	A-14	Adsorption studies of strontium from aqueous solution by zeolite y sodium	Robert B, Ankita Paul, Amutha M, A.S. Suneesh, Ramanathan N,	A.S. Suneesh	Poster

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12	A-17	Extraction behavior of U(VI) in centrifugal contactor in the recovery cycle of fast reactor fuel reprocessing	M Poornima, S Ramakrishna Reddy, M Balamurugan, K A Venkatesan	K.A.Venkatesan	Poster
13	A-18	Processing of Analytical Wastes With Sulphate and Phosphate Content for Plutonium Recovery	S Parthasarathy, D Shravan Kumar, S Poongodi, V Varalakshmi, M Usha, K Dhamodharan, K A Venkatesan	S. Parthasarathy	Poster
14	A-20	Optimization of process conditions for quantitative recovery of plutonium from spent solvent employing uranous nitrate	S Ramakrishna Reddy, D Sivakumar, N Desigan, K Dhamodharan, K A Venkatesan.	S. Ramakrishna Reddy	Poster
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16	A-23	Estimation of absorbed dose during the first co decontamination and stripping cycles of fast reactor fuel reprocessing	S. Balasubramonian, Sreeram C. H, Rajeev R, Venkatesan K. A,	S. Balasubramonian	Poster
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20	A-29	Efficient uptake of lanthanides and actinides from aqueous streams using functionalized multiwall carbon nano-tubes	Dinesh Patre, Rajesh B. Gujar, Dr Arijit Sengupta, Dr Ashokkumar P	Rajesh B. Gujar	Poster
21	A-30	Polyoxotungstate (POT) mediated stabilization of U(IV) in aqueous medium	Suvankar Sau, Priya Goel, B Mahanty, A Bhattacharyya.	B. Mahanty	Poster

22	A-31	Synthesis and Characterization of Hydrophobic Deep Eutectic Solvent Based on TOPO and Octanoic Acid (1:1) for the Extraction of Actinides (Pu, and Am)	Kavitha Jayachandran, Arkaprava Layek Layek, Ruma Gupta, Arnab Sarkar.	Ruma Gupta	Poster
23	A-33	Effect of H ₂ SO ₄ -HNO ₃ composition on the dissolution and analytical performance of FBTR Mixed Carbide Fuel	Arvind Ambolikar, Jisha Pillai, Lukman Ahamad, Kavitha Jayachandran, Jayashree Gamare, Arnab Sarkar.	Arvind Ambolikar, Arnab Sarkar	Poster
24	A-37	Metakaolin derived Geopolymers as Efficient Adsorbent for Separation of Strontium from Aqueous Solution	Shobana Divya, Tushar Roy, Nibedita Samanta, Hrudananda Jena, Rajesh Ganesan.	Hrudananda Jena	Poster
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