

International Conference on

Conference on Electrochemistry in Advanced Materials, Corrosion and Radiopharmaceuticals

CEAMCR-2018

February 15-17, 2018

DAE Convention Centre, Anushaktinagar, Mumbai – 400094, India

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Important Notes:

- This is the **Final List** of Registered / Confirmed Presentations in different categories as on **February 06, 2018**.
- There will be several numbers of prizes in the Oral and Poster Presentation categories. The prizes will be sponsored by ISEAC, ACS, Elsevier and RSC. The competition is open for all (there is no age restriction) and the presentations will be evaluated by the Committee of Experts selected by the Organising Committee. The details of the Award will be informed in the Valedictory Function of the Conference.
- The papers presented in the Conference covering novel scientific discoveries and advances in nanostructured materials dealing with chemical synthesis, surface functionalization, size and shape control, growth mechanism, physio-chemical properties (structural, catalytic, electrical, electrochemical, opto-electronic) of novel micro-scale and nanostructured advanced materials (e.g. polymers, carbon materials, inorganic particles, biomaterials, nano hybrids) with hierarchical structures and its interdisciplinary applications in areas of energy storage (electrochemical super capacitors, batteries, fuel cells) as well as energy conversion (solar cells, photovoltaics, OLEDs, photo anodes), energy generation (hydrogen evolution), and environment (photo catalysis) will be reviewed by a Committee of Experts and Referees for publishing as original research articles, review articles and mini reviews, notes, short communications, commentaries and perspective papers in the Elsevier supported Open Access journal **“Materials Science for Energy Technologies”** in free-of-cost. The interested authors are requested to convey their consent for this publication through email to **electrochembarc@gmail.com** referring the Presentation Code.

The screenshot shows the website for the journal "Materials Science for Energy Technologies". At the top, the KeAi logo is displayed with the tagline "ADVANCING RESEARCH EVOLVING SCIENCE". Navigation links include Home, About Us, Publishing Services, Journals, Authors & Editors, News & Press, Careers, and Contact Us. The main content area features a cover image of a tree, the journal title, and a description: "Materials Science for Energy Technologies is an international, interdisciplinary journal covering novel scientific discoveries and advances in nanostructured materials dealing with chemical synthesis,..." Below this, there are buttons for "Guide for Authors", "Submit Your Paper", and "Open Access". A "Share this page:" section includes icons for email, star, print, Facebook, Twitter, LinkedIn, and Google+. The Editor-in-Chief is listed as Tejraj Aminabhavi, with a link to "View full editorial board". The journal's imprint is KeAi and its ISSN is 2589-2991. A small thumbnail of the journal cover is also visible in the bottom right corner.

CEAMCR-2018

Presentation Code	Title of Abstract and Names of the Authors	Presenting Author	Affiliation of the Presenting Author	Gender
Plenary Talks (PT); Tentative Duration: 35 + 5 min				
PT-1	Solid State Electrochemical Gas Sensor for the Quantitative Determination of Carbon Dioxide <i>C. Schwandt, U. A. C. Galloway, R. V. Kumar and M. P. Hills</i>	Dr. C. Schwandt	University of Cambridge, Cambridge, UK	M
PT-2	Polymers of Intrinsic Microporosity in Electrochemistry <i>F. Marken and N. B. McKeown</i>	Dr. F. Marken	University of Bath, UK	M
PT-3	Pseudocapacitive Storage in Supercapacitor : Characterization of Birnessite-type Manganese Dioxides in Neutral Aqueous Electrolytes <i>L. Athouël and T. Brousse</i>	Dr. L. Athouël	Université de Nantes, France	F
PT-4	Electrochemical Communication between Photosynthetic Membranes/Cells and Electrodes for Harvesting Solar Energy <i>Lo Gorton, Galina Pankratova, Hans-Erik Åkerlund and Dónal Leech</i>	Dr. L. Gorton	Lund University, Sweden	M
PT-5	Introducing Non-flammable Sodium-ion Battery Technology for Stationary Applications <i>Palani Balaya</i>	Dr. P. Balaya	National University of Singapore, Singapore	M
PT-6	A Novel Molecular Imprinted Electrochemical Sensor for Determination of the Antidepressant Drug Fluoxetine in Blood Serum <i>M. Feroz, I. C. Lopes, H. Rehman, S. Atta and P. Vadgama</i>	Dr. P. Vadgama	Queen Mary University of London, UK	M
PT-7	Nanoscale Scanning Electrochemical Microscopy of Carbon Materials <i>Shigeru Amemiya</i>	Dr. S. Amemiya	University of Pittsburgh, USA	M
PT-8	Transition Metal Nitrides, Carbides and Chalcogenides for Electrocatalysis <i>S. Sampath</i>	Dr. S. Sampath	IISc, Bangalore	M
PT-9	Combining Theory & Experiment in Two-Dimensional Electrocatalysis <i>T. N. Narayanan</i>	Dr. T. N. Narayanan	TIFR, Hyderabad	M
PT-10	Some Electrochemical Sensors - Development and Applications in DAE <i>E. Prabhu, A. Sree Rama Murthy, P.C. Clinsha, I. Lakshmi Gandhan, Jose Joseph, Nair Afjith Ravindranath, K.I. Gnanasekar and V. Jayaraman</i>	Dr. V. Jayaraman	IGCAR, Kalpakkam	M

Invited Talks (IT); Tentative Duration: 20+2 min

IT-1	Effect of Artificial Convection on Structure and Properties of Electrodeposited Ni-based Alloy Coatings <i>A. Chitharanjan Hegde</i>	Dr. A. Chitharanjan Hegde	National Institute of Technology Karnataka, Surathkal	M
IT-2	Oxide and Sulphide Based Materials for Supercapacitors, PEC and EC Catalysis: Probing Through Scanning Probe Electrochemical Techniques <i>A. K. Satpati, Sriram Kumar, M. K. Dey, S. Sahoo and P. D. Naik</i>	Dr. A. K. Satpati	ACD, BARC	M
IT-3	Role of Electrochemistry in Radiopharmaceuticals and Allied Sciences <i>Ashutosh Dash</i>	Dr. Ashutosh Dash	RPhD, BARC	M
IT-4	High Performance Supercapacitors Based on Graphene Based Composite Materials <i>Ashwini K Srivastava</i>	Dr. Ashwini K Srivastava	University of Mumbai, Mumbai	M
IT-5	Chitosan Functionalized Graphene Oxide Nanocomposite as Electrochemical Sensor in Cervical Cancer Diagnosis <i>J. Saranya, B. S. Sreeja and G. Padmalaya</i>	Dr. B. S. Sreeja	SSN College of Engineering, Kalavakkam	F
IT-6	Development of Multifunctional Hybrid Electrocatalysts: Hydrogen Generation Reactions <i>Bhaskar R. Sathe</i>	Dr. Bhaskar R. Sathe	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	M
IT-7	Cu(I) – Oxide: An Efficient Photocatalyst for Generation of H ₂ through Direct Splitting of Water using Visible Light <i>Chinmoy Bhattacharya</i>	Dr. Chinmoy Bhattacharya	IEST, Shibpur	M
IT-8	Investigating Water Oxidation Through in situ Raman Spectroscopy <i>Chinmoy Ranjan</i>	Dr. Chinmoy Ranjan	IISc Bangalore	M
IT-9	Coupling Energy Capture and Storage – Endeavoring to Make a Solar Battery <i>Deepa Khushalani</i>	Dr. Deepa Khushalani	TIFR, Mumbai	F
IT-10	High Energy Supercapacitors based on Vanadium Chalcogenides-RGO/CNTs Hybrids <i>J. N. Behera</i>	Dr. J. N. Behera	NISER, Bhubaneswar	M
IT-11	Role of Nanomaterials in Biosensors for Clinical Applications <i>J. S. Melo</i>	Dr. J. S. Melo	NABTD, BARC	M
IT-12	An Electrochemical Sensor Based on Beta Cyclodextrin-Porous Reduced Graphene Oxide Composite for the Determination of Dihydrochalcone: Phloretin <i>Ranjita D. Tandel and J. Seetharamappa</i>	Dr. J. Seetharamappa	Karnatak University, Dharwad	M
IT-13	Metal Organic Framework and Organic Framework Built on Carbon Nanotubes by π - π Interaction for Electrochemical Applications <i>Kothandaraman Ramanujam, Gayathri Prakasam and Tamilselvi G.</i>	Dr. Kothandaraman Ramanujam	IIT Madras, Chennai	M

IT-14	Simultaneous Determination of U and Pu in FBTR Fuel at PEDOT:PSS Modified Glassy Carbon Electrode <i>R. Agarwal and M. K. Sharma</i>	Dr. M. K. Sharma	FCD, BARC	M
IT-15	Ether-Functional Ionic Liquids for Magnesium Batteries <i>M. Kar, Z. Ma and D. R. MacFarlane</i>	Dr. M. Kar	Monash University, Australia	F
IT-16	The Electrochemistry of Metal-Free Carbon-Based Materials in Aqueous Electrolytes <i>B. Bera, A. Chakraborty, T. Kar and M. Neergat</i>	Dr. M. Neergat	IIT Bombay, Mumbai	M
IT-17	Nanoengineering of Silicon based Anode for Lithium Ion Battery <i>Manjusha V Shelke</i>	Dr. Manjusha V Shelke	CSIR-NCL, Pune-	F
IT-18	Tailoring Electrochemical Interfaces for Environmental and Security Applications <i>Muhammed Musthafa</i>	Dr. Muhammed Musthafa	IISER-Pune, Pune	M
IT-19	Application of Nanoparticles Based Electrochemical Sensors <i>Nagaraj P. Shetti</i>	Dr. Nagaraj P. Shetti	K. L. E. Institute of Technology, Hubballi	M
IT-20	Fe- and Ti-based Polyanionic Electrodes for Sodium-ion Batteries <i>A. Chaupatnaik, K. Sada and P. Barpanda</i>	Dr. P. Barpanda	IISc, Bangalore	M
IT-21	Spinel Structured Mixed Metal Oxide/Sulphide Hybrid Nanostructures as Advanced Anodes for Energy Storage Devices <i>Shipra Raj and Poulomi Roy</i>	Dr. Poulomi Roy	CSIR - CMERI, Durgapur	F
IT-22	Functional Multilayered Carbon Nanostructures for Intercalated Pseudocapacitive Energy Storage <i>Pravin S. Walke</i>	Dr. Pravin S. Walke	University of Mumbai, Mumbai	M
IT-23	Climbing Up the Volcano through Support-Electrocatalyst Interaction in Thin Metal Oxides for Oxygen Evolution Reactions <i>Sulay Saha, Koshal Kishor and Raj Ganesh S. Pala</i>	Dr. Raj Ganesh S. Pala	Indian Institute of Kanpur, Kanpur	M
IT-24	Metal Oxide Based Nanostructured Materials for High-Performance Supercapacitor Applications <i>Ankit Tyagi, Narendra Singh, Manish Joshi and Raju Kumar Gupta</i>	Dr. Raju Kumar Gupta	IIT Kanpur, Kanpur	M
IT-25	Electrochemistry of Actinides in Molten Salts <i>Renu Agarwal</i>	Dr. Renu Agarwal	FCD, BARC	F
IT-26	Electrochemiluminescence (ECL): Fundamental Concepts and its Applications Towards Biosensors <i>S. Senthil Kumar</i>	Dr. S. Senthil Kumar	CECRI, Karaikudi	M
IT-27	Iron Pyrite (FeS ₂): A High Performance, Low-Cost Catalyst for Dye Sensitized Solar Cells (DSSC) <i>S. Shukla, N. Mathews, Q. Xiong and T. Sritharan</i>	Dr. S. Shukla	Nanyang Technological University, Singapore	M
IT-28	The Electrochemical Performance of Carbon Nanomaterial Modified Sensors: An Analytical Perspective <i>Sanghamitra Chatterjee</i>	Dr. Sanghamitra Chatterjee	ICT, Mumbai	F

IT-29	Investigation of Nanomaterials for Energy Harvesting and Storage Systems, Through Electrochemistry Perspective Santosh K. Haram	Dr. Santosh K. Haram	Savitribai Phule Pune University, Pune	M
IT-30	Significance of the Generation of Semiquinone Radical Anion by Anthracycline Anticancer Drugs and Their Hydroxy-9, 10-Anthraquinone Analogues: Interaction with Nucleic Acids and DNA <i>Saurabh Das</i>	Dr. Saurabh Das	Jadavpur University, Kolkata	M
IT-31	Eccentric Graphene Quantum Dots for Amphibianatic Sensor <i>Saurav K. Guin, Arvind S. Ambolikar, Jhimli Paul Guin, Hirendra N. Ghosh, Tushar Debnath and Suman Neogy</i>	Dr. Saurav K. Guin	FCD, BARC	M
IT-32	Polymer Based Electrochemical Sensors for Detection of Cancer Biomarker <i>Shilpa N. Sawant</i>	Dr. Shilpa N. Sawant	ChD, BARC	F
IT-33	Electrochemistry of Undoped and Doped Onion Like Carbons <i>Smrutiranjana Parida, Aasiya Sheikh and D. Mohapatra</i>	Dr. Smrutiranjana Parida	IIT Bombay, Mumbai	M
IT-34	Role of Electrochemistry in Surface Modification and Functional Applications <i>Subir Kumar Ghosh</i>	Dr. Subir Kumar Ghosh	MPCED, BARC	M
IT-35	Electrochemical Chemo/Biosensors for Environment Monitoring and Diagnostics <i>Suman Singh and Vijay Kumar Meena</i>	Dr. Suman Singh	CSIR-CSIO, Chandigarh	F
IT-36	Graphitic-Carbon Nitride (g-C ₃ N ₄): A Stable Substrate for Decoration of Metal and Sulphide Nanoparticles for Hydrogen Evolution <i>Surojit Pande</i>	Dr. Surojit Pande	BITS Pilani, Rajasthan	M
IT-37	NP Modified Microbial Biosensors for Heavy Metals and Pesticides <i>Susheel Mittal</i>	Dr. Susheel Mittal	Thapar University, Patiala	M
IT-38	Bifunctional Electrocatalysts for Rechargeable Alkali Metal Air Batteries <i>T. Maiyalagan</i>	Dr. T. Maiyalagan	SRM Institute of Science and Technology, Kattankulathur	M
IT-39	Catalytic and Electrochemical Processes <i>V. Udaya Kumar</i>	Dr. V. Udaya Kumar	Siddaganga Institute of Technology, Tumkur	M
IT-40	Non-platinum Based Oxygen Reduction Electrocatalysts for Fuel Cells: Emerging Trends <i>Vellaichamy Ganesan and Piyush Kumar Sonkar</i>	Dr. Vellaichamy Ganesan	BHU, Varanasi	M
IT-41	Contribution of Electrochemical Applications in Development of Energy Efficient Thermochemical Hydrogen Generation Processes <i>D. Parvatalu</i>	Dr. D. Parvatalu	ONGC Energy Centre, Navi Mumbai	M
IT-42	Pencil Graphite Electrodes (PGE) for Enzymatic Biofuel Cells (EBFCs): Towards Microfluidic Platform <i>Madhavi Bandapati, Prakash Rewatkar, Prabhat K. Dwivedi, Balaji Krishnamurthy and Sanket Goel</i>	Dr. Sanket Goel	BITS, Hyderabad	M
IT-43	Title Pending	Dr. S. Rangarajan	BARC, Kalpakkam	M

Oral Presentations (O); Tentative Duration: 8+2 min

O-1	Performance Evaluation of Pt/Nafion MEA Prepared by <i>in-situ</i> Impregnation-Reduction Method for CuCl/HCl Electrolysis <i>Atindra Mohan Banerjee, Rajini P. Antony, A. Nadar, M. R. Pai, Asheesh Kumar and A. K. Tripathi</i>	Atindra Mohan Banerjee (Dr.)	ChD, BARC	M
O-2	Use of Nuclear Reaction and Mossbauer Spectroscopy in Lithium Ion Battery Technology <i>Balaji P Mandal, K. Halankar, Sher Singh Meena, R. Acharya and A. K. Tyagi</i>	Balaji P Mandal (Dr.)	ChD, BARC	M
O-3	Electrochemical Behaviour of Flufenamic Acid at Amberlite XAD-4 a Non-ionic Resin Modified Carbon Sensor <i>Deepti S. Nayak, Nagaraj P. Shetti and Shweta J. Malode</i>	Deepti S. Nayak (Ms)	K.L.E. Institute of Technology, Hubballi	F
O-4	Schiff Base and Nickelhexacyanoferrate Modified Electrodes for the Detection of Al ³⁺ , Pb ²⁺ and SCN ⁻ Respectively in Aqueous Medium <i>Diganta Kumar Das and Kangkana Deka</i>	Diganta Kumar Das (Dr.)	Gauhati University, Guwahati	M
O-5	Fabrication of A Polyaniline Transduced Imidazole Based Conductometric Sensor for Rapid Detection of Cyanide <i>Anirban Paul and Divesh N. Srivastava</i>	Anirban Paul (Mr.)	CSIR-CSMCRI, Bhavnagar	M
O-6	Modified Ultra-microelectrode for Kinetics and Sensing Applications <i>Durgasha C. Poudyal, Ashis K. Satpati and Santosh K. Haram</i>	Durgasha C. Poudyal (Ms.)	Savitribai Phule Pune University, Pune	F
O-7	One Pot Synthesis of Cu/Cu ₂ O/Cd(OH) ₂ Semiconductor Thin film for Enhanced Photoelectrochemical Water Splitting Process <i>Sanjib Shyamal, Ashis Kr. Satpati and Chinmoy Bhattacharya</i>	Sanjib Shyamal (Mr.)	IEST, Shibpur	M
O-8	Multi-walled Carbon Nanotubes Modified Glassy Carbon Electrode for the Analysis of Methdilazine, an Antihistamine Drug <i>Harsha P. Uskaikar, Shweta J. Malode, Deepti S. Nayak and Nagaraj P. Shetti</i>	Harsha P. Uskaikar (Dr.)	PES's RSN College of Arts and Science, Goa	F
O-9	Electrochemical Detection of Organocarbamate Pesticides <i>Jitendra Kumar and Jose Savio Melo</i>	Jitendra Kumar (Dr.)	NABTD, BARC	M
O-10	Glucose Biosensor based on DET of Glucose Oxidase Covalently Immobilized on Novel Ionic Liquid Matrix <i>K. Theyagarajan and K. Thenmozhi</i>	K. Theyagarajan (Mr.)	Vellore Institute of Technology, Vellore	M
O-11	Electrodeposition and Characterization of Black Ni-Cu Solar Selective Coatings <i>Kalyan Raj and Ms. Arathi. K.</i>	Kalyan Raj (Dr.).	BMS College of Engineering, Bengaluru	M
O-12	Compatible Counter electrodes for Quantum Dot Sensitized Solar Cells <i>Kusuma J and R. Geetha Balakrishna</i>	Kusuma Jagadish (Ms.)	Jain University, Bangalore	F
O-13	Covalent Immobilization of Toluidine Blue on Carboxyl Functionalized Ionic Liquid and its Application towards Hydrogen Peroxide Determination <i>M. Murphy, K. Thenmozhi and S. Senthilkumar</i>	M. Murphy (Mr.)	Vellore Institute of Technology, Vellore	M

O-14	Highly Porous NiO-rGO Composite for High Performance Redox-Capacitor <i>Mahesh Kumar Paliwal and Sumanta Kumar Meher</i>	Mahesh Kumar Paliwal (Mr.)	MNIT Jaipur	M
O-15	Fuel Cell Performance of Organic-Inorganic Nanocomposite Polymer Electrolyte Membrane <i>Mamta Kumari, H. S. Sodaye and R. C. Bindal</i>	Mamta Kumari (Ms.)	MDS, BARC	F
O-16	Silicon-Graphene Based Anode Materials for High Performance Li Ion Batteries <i>Manisha R. Phadatare, Rohan A. Patil, Jonas Örtengren, Nicklas Blomquist, Renyun Zhang, Sven Forsberg and Olin Håkan</i>	Manisha R. Phadatare (Dr.)	Mid Sweden University, Sweden	F
O-17	Synthesis and Impedance Studies of Polypyrrole/ Praseodymium Calcium Manganite Oxide Nanocomposites <i>Meti Bharathi, K. N. Anuradha and Murugendrappa M. V.</i>	Murugendrappa M. V. (Dr.)	BMS College of Engineering, Bengaluru	M
O-18	Layered Double Hydroxide Derived Materials for Alkaline Water Electrolysis <i>Nadeema Ayasha and Sreekumar Kurungot</i>	Nadeema Ayasha (Ms.)	CSIR-NCL, Pune	F
O-19	Determination of Histamine by Using Graphene Nano-ribbon based Nanocomposite Modified Pyrolytic Graphite Sensor <i>Neeraj Kumar and Rajendra N. Goyal</i>	Neeraj Kumar (Mr.)	IIT Roorkee, Roorkee	M
O-20	A Highly Active rGO supported CuCo ₂ O ₄ microshrubs as Hybrid Bi-functional Electrocatalyst for Oxygen Reduction and Evolution Reactions <i>O. Padmaraj, S. Austin Suthanthiraraj, Yashwant Pratap Kharwar and R. Kothandaraman</i>	O. Padmaraj (Mr.)	University of Madras, Chennai	M
O-21	Designing of UIO-66 based Super Protonic Conductor with Highest Conductivity: Key Role of Length of Pendant Bronsted Acid Group on MOF based Proton Conductivity <i>Subhabrata Mukhopadhyay, Joyashish Debgupta, Chandani Singh and Samar K Das</i>	Subhabrata Mukhopadhyay (Mr.)	University of Hyderabad, Hyderabad	M
O-22	Electrocatalytic Oxygen Reduction on Silver Nanoparticles-Deposited Boron Nitride in Alkaline Solution <i>Phiralang Marbaniang and Bhalchandra Kakade</i>	Phiralang Marbaniang (Ms.)	SRM -IST, Kattankulathur	F
O-23	An Innovative Electrochemical Sensor for the Detection of Estrogenic Bisphenol F in Biological Samples using Modified Carbon Paste Electrode with ZnO/rGO Nano Composite and CTAB <i>G. Manasa, R. J. Mascarenhas, A. K. Satpati, B. M. Basavaraja</i>	R. J. Mascarenhas (Dr.)	St. Joseph's College, Bangalore	M
O-24	Electrochemical Manifestation of Indole derivative for Rechargeable Lithium Battery <i>R. Vijeth Shetty, R. Anil Kumar, G. S. Suresh and K. M. Mahadevan</i>	R. Vijeth Shetty (Dr.)	Kuvempu University, Kadur	M
O-25	Phosphinic Acid: A New Electrolyte for Fabrication of Ordered AAO Template by Anodization <i>Rajak Syed and Subir Kumar Ghosh</i>	Rajak Syed (Mr.)	MPCED, BARC	M
O-26	Towards Green and Sustainable Fe-DDQ Primary Battery Operating in Non-Aqueous Protic Electrolyte <i>Ramavath Janraj Naik, M. R. Chinmaya and Kothandaraman Ramanujam</i>	Ramavath Janraj Naik (Mr.)	IIT Madras, Chennai	M

O-27	Online Electrochemical Mass Spectrometry as An Analytical Tool for Investigating Gaseous Evolution in Rechargeable Li-O ₂ Batteries <i>Rosy and M. Noked</i>	Rosy (Dr.)	Bar Ilan University, Israel	F
O-28	Ultra-sensitive Electrochemical Sensor for Nitrite Detection based on Interfacial Polymerized RGO/MnFe ₂ O ₄ /Polyaniline Fibrous Nanocomposite Modified Carbon Paste Electrode <i>S. Sahoo, P. Sahoo and A. K. Satpati</i>	S. Sahoo (Mr.)	ACD, BARC	M
O-29	Comparative Studies of Substituted Barium Indate Compounds With Respect To Their Protonic Conductivity <i>A. N. Shirsat, B. N. Wani, S. Varma and S. R. Bharadwaj</i>	S. Varma (Dr.)	ChD, BARC	M
O-30	Palmyra Sprout Derived Hierarchical Porous Carbon/Graphene Composite for Excellent Supercapacitive Performance <i>Sandhya Rani Mangiseti, Ramaprabhu S. and Kamaraj M.</i>	Sandhya Rani Mangiseti (Ms.)	IIT Madras, Chennai	F
O-31	Corrosion Behavior of Cu-Al-Be-Mn Quaternary Shape Memory Alloys <i>Shivasiddaramaiah A. G., U. S. Mallikarjun, Prashantha. S and C. Shashishekar</i>	Shivasiddaramaiah A. G. (Dr.)	Siddaganga Institute of Technology, Tumkur	M
O-32	Electrochemically & Solid state NO ₂ Gas Sensing Properties of Thick Films ZnO Nanoparticles <i>Shivsharan. M. Mali, Balaji Mulik and Bhaskar R. Sathe</i>	Shivsharan M. Mali (Mr.)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	M
O-33	Modification of Polyaniline for Redox Based Supercapacitor and H ₂ O ₂ Sensing Application <i>C. A. Amarnath and Shilpa N. Sawant</i>	C. A. Amarnath (Dr.)	ChD, BARC	M
O-34	SnO ₂ /BiVO ₄ Heterojunctionphotoanode for Enhanced Charge Separation for Water Splitting <i>Sriram Kumar and Ashis Kumar Satpati</i>	Sriram Kumar (Mr.)	ACD, BARC	M
O-35	Effect of Synthesis Methods on Electrooxidation of Ethanol and Methanol on Graphene Supported Palladium <i>Suresh S. Shendage</i>	Suresh S. Shendage (Dr.)	KET'S VG Vaze College of Arts, Science and Commerce, Mumbai	M
O-36	Reduction Behaviour of Different Vanadium(III) Complexes <i>V. S. Tripathi, K. K. Bairwa and D. B. Naik</i>	V. S. Tripathi (Dr.)	RPCD, BARC	M

Poster Presentations (P); Preferred Poster Size: 3 ft. (Horizontal) × 4 ft. (Vertical)

P-1	Electrochemical Surface Plasmon Resonance Sensor for Detection of Cancer Biomarker Alpha-fetoprotein <i>A. Prajapati, B. Thakur, C. A. Amarnath and Shilpa N. Sawant</i>	A. Prajapati (Ms.)	ChD, BARC	F
P-2	Development of a Sensor for Thiosalicylic Acid at MWCNT Modified Gold Electrode <i>Abhinandan A. Janaj, Nagaraj P. Shetti, Shweta J. Malode and Raviraj M. Kulkarni</i>	Abhinandan A. Janaj (Mr.)	K. L. S. Gogte Institute of Technology, Belagavi	M

P-3	ZnO Nanoparticles Modified Electrode for Thiosalicylic Acid <i>Adarsh B. Bandi, Nagaraj P. Shetti, Shweta J. Malode and Raviraj M. Kulkarni</i>	Adarsh B. Bandi (Mr.)	K. L. S. Gogte Institute of Technology, Belagavi	M
P-4	Nanomolar Determination of 1, 3-Dimethylxanthine at Graphene Oxide and Nanoclay Composite Electrode <i>Adarsh S. Hiremath, Nagaraj P. Shetti, Shweta J. Malode and Deepti S. Nayak</i>	Adarsh S. Hiremath (Mr.)	K.L.E. Institute of Technology, Hubballi	M
P-5	Nanostructured Ni@Bi Core Shell: Novel Electro Catalyst For Hydrogen Generation Reaction <i>Ajay V. Munde and Bhaskar R. Sathe</i>	Ajay V. Munde (Mr.)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	M
P-6	Investigation of Anti-Corrosion Behaviour of Isoniazid Derivative <i>Ajit Kr. Pandey, Sanjeeve Thakur and Ashish Kr. Singh</i>	Ajit Kr. Pandey (Mr.)	University of Delhi, Delhi	M
P-7	Electroanalysis of Paracetamol at Nanoclay Modified Graphite Electrode <i>Akshata A. Jaganure, Nagaraj P. Shetti, Deepti S. Nayak, Shweta J. Malode and Raviraj M. Kulkarni</i>	Akshata A. Jaganure (Ms.)	K. L. S. Gogte Institute of Technology, Belagavi	F
P-8	Silica Gel Modified Electrode for Acetaminophen - An Electrochemical Sensor <i>Akshata P. H., Nagaraj P. Shetti, Deepti S. Nayak</i>	Akshata P. H. (Ms.)	K.L.E. Institute of Technology, Hubballi	F
P-9	Effect of TiO ₂ on Electrocatalytic Behavior of Ni-Mo Alloy Coating for Water Splitting Reaction <i>Akshatha R. Shetty and Ampar Chitharanjan Hegde</i>	Akshatha R. Shetty (Ms.)	NITK Surathkal	F
P-10	Stability of Mg and Al-Doped Li-La-Zirconate Based Cubic Garnets Upon Exposure to Ambient Atmosphere <i>Amardeep, Sushobhan Kobi and Amartya Mukhopadhyay</i>	Amardeep (Mr.)	IIT Bombay, Mumbai	M
P-11	Monolithic Laser Scribed Graphene Electrodes for Enzymatic Glucose Sensing <i>Amrutha P., A. Palaniappan and Pranati Nayak</i>	Amrutha P. (Ms.)	CSIR-CECRI, Karaikudi	F
P-12	TiO ₂ Nanoparticles Modified Sensor for Theophylline Drug <i>Anand R. Kulkarni, Nagaraj P. Shetti, Shweta J. Malode Shikandar D. Bukkitgar and Raviraj M. Kulkarni</i>	Anand R. Kulkarni (Mr.)	K. L. S. Gogte Institute of Technology, Belagavi	M
P-13	Electrowinning of Zinc from Acidic Sulphate Solutions on Plastic Chip Electrode <i>Dilip B. Parmar and Divesh N. Srivastava</i>	Dilip B. Parmar (Mr.)	CSIR-CSMCRI, Bhavnagar	M
P-14	Electrochemical Sensor for Secretolytic Agent- Ambroxol at Eriochrome Black -T Modified Carbon Electrode <i>Umesh S. Devarushi, Nagaraj P. Shetti, Annapurna Totaganti and Suresh M. Tuwar</i>	Annapurna Totaganti (Ms.)	Kanakdas Shikshana Samiti's Arts, Comm. and Sc. College, Gada	F
P-15	Activity of Pt-Ru-OMS-2/Carbon Electrocatalyst Towards Ethanol Electro-oxidation in Acidic Medium <i>Apurva A. Narvekar, Julio B. Fernandes and S. G. Tilve</i>	Apurva A. Narvekar (Ms.)	Goa University, Goa	F
P-16	Study of Corrosion Mitigation in Acidic Medium using Expired Ceftaroline Fosamil <i>Ashish Kumar Singh, Sanjeeve Thakur and Balaram Pani</i>	Ashish Kumar Singh (Dr.)	Bharati Vidyapeeth's College of Engineering, New Delhi	M
P-17	Phosphonate Ligand Modified Electrode for Sensitive Detection of Uranium <i>Ashutosh Srivastava, M. K. Dey, A. K. Pandey, Ashis K. Satpati, Neetika Rawat, B. S. Tomar</i>	Ashutosh Srivastava (Mr.)	RACD, BARC	M

P-18	Electrochemically Driven Entrapment and Stripping Analysis of Cd (II) at rGO-Poly(glutamic acid) Electrode <i>Jency Feminus J., S. Saranya, B. Geetha and P. N. Deepa</i>	B. Geetha (Ms.)	University of Madras, Chennai	F
P-19	Structural, Morphological, Ionic Conductivity of Mg and Sr Doped GDC <i>Koteswararao P., M. Buchi Suresh, B. N. Wani and P V Bhaskara Rao</i>	B. N. Wani (Dr.)	ChD, BARC	F
P-20	Strontium doped Molybdenum Cobaltite as Cathode Material for Solid Oxide Fuel Cell <i>Baijnath and Suddhasatwa Basu</i>	Baijnath (Mr.)	IIT Delhi, Delhi	M
P-21	Electrochemical Determination of Ethionamide from Aqueous Solution and Real Samples Using Metal Free Electrocatalyst <i>Balaji B. Mulik and Bhaskar R. Sathe</i>	Balaji B. Mulik (Mr.)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	M
P-22	Corrosion Inhibition by 2- Amino-1, 3, 4-Thiadiazole Derived Schiff base in Acid Medium <i>Bhawna Chugh, Sanjeeve Thakur and Ashish Kumar Singh</i>	Bhawna Chugh (Ms.)	University of Delhi, Delhi	F
P-23	Characterization and Preparation of a PVC Based Efficient Potentiometric Sensor for Europium (III) Containing DGA-TREN as Ionophore <i>Bholanath Mahanty, A. K. Satpati, S. Kumar, P. K. Mohapatra and W. Verboom</i>	Bholanath Mahanty (Mr.)	RCD, BARC	M
P-24	Amberlite XAD-4 Modified Electrode for Nimesulide Detection and its Applications <i>Bindu S. Pagad, Shweta J. Malode and Nagaraj P. Shetti</i>	Bindu S. Pagad (Ms.)	K.L.E. Institute of Technology, Hubballi	F
P-25	Silver Nanoparticle-Polymer Based Colorimetric and Electrochemical Sensor for Detection of Biothiols <i>Shiyona Maria John and Shilpa N. Sawant</i>	Shiyona Maria John (Ms.)	ChD, BARC	F
P-26	An Electrochemical Sensor for The Determination of Vanillin using Pre-Treated Graphite Electrode Modified with PAMAM Dendrimer and PNB <i>C. Lakshmi Devi and S. Sriman Narayanan</i>	C. Lakshmi Devi (Ms.)	University of Madras, Chennai	F
P-27	Investigation of Anomalous Deposition of Ni-Zn-P Alloys Coating and Corrosion Behaviour <i>C. Srivastava, R. Syed, S. K. Ghosh and V. Kain</i>	C. Srivastava (Ms.)	MPCED, BARC	M
P-28	Application of Interconnected NiCo ₂ O ₄ /NiO Nanosheets as An Efficient Catalyst in Oxygen Evolution Reaction <i>Chavi Mahala and Mrinmoyee Basu</i>	Chavi Mahala (Ms.)	BITS Pilani, Rajasthan	F
P-29	Enhanced Electrocatalytic Activity of Pd-CeO ₂ Nanoparticles Supported on Reduced Graphene Oxide -Carbon Nanotubes Hybrid for Ethanol Electro-Oxidation <i>C. Mahendiran, D. Rajesh and T. Maiyalagan</i>	D. Rajesh (Mr.)	Anna University, Chennai	M
P-30	Voltammetric Behavior and Determination of Methdilazine using Erichrome Black-T Modified Carbon Paste Electrode <i>Davalasab D. Ilager, Nagaraj P. Shetti, Shweta J. Malode and Deepti S. Nayak</i>	Davalasab D. Ilager (Mr.)	K.L.E. Institute of Technology, Hubballi	M
P-31	Fe-MIL-88 Assisted Synthesis of Ni _{0.3} -Fe _{0.5} Layered Double Hydroxide for Electrochemical Oxygen Evolution <i>Dharmendra Kumar Yadav and Vellaichamy Ganesan</i>	Dharmendra Kumar Yadav (Mr.)	BHU, Varanasi	M

P-32	A Sensitive Voltammetric Electrochemical Sensor for the Detection of Pb (II) Ions using Glassy Carbon Electrode Modified Chitosan Functionalized Yttrium Oxide Nanocomposite <i>G. Padmalaya, B. S. Sreeja, M. Arivanandan and S. Radha</i>	G. Padmalaya (Ms.)	SSN College of Engineering, Kalavakkam	F
P-33	Voltammetric Behavior of Nimesulide at Bentonite Clay Modified Carbon Paste Electrode – An Electrochemical Study <i>Gahanashree S. Nayak, Shweta J. Malode and Nagaraj P. Shetti</i>	Gahanashree S. Nayak (Ms.)	BVB College of Engineering and Technology, Hubballi	F
P-34	Development of a Disposable and Low-cost Electrochemical Sensor for Clinical Important Bio-Molecule Using Heteroatom Doped Carbon Nanodots <i>H. Manisha, P. D. Priya Swetha, K. S. Prasad</i>	H. Manisha (Ms.)	Yenepoya University, Mangalore	F
P-35	Mixed Phase Titanium Carbide (Ti-C-T _x): A Strategy to Design A Significant Oxygen Electroreduction Catalyst for Alkaline Fuel Cells <i>Haridas B. Parse, L. Moorthi Indrajit Patil and Bhalchandra Kakade</i>	Haridas B. Parse (Mr.)	SRM -IST, Kattankulathur	M
P-36	A Novel Amperometric Sensor for Electrocatalytic Oxidation of Gallic Acid using Poly O-Cresophthalein Complexone Film (POCF) Modified Electrode <i>J. Jayadevimanoranjitham and S. Sriman Narayanan</i>	J. Jayadevimanoranjitham (Ms.)	University of Madras, Chennai	F
P-37	Fabrication of Paper Electrodes and Its Application Towards Biomolecules Sensing <i>J. Sonia and K. S. Prasad</i>	J. Sonia (Ms.)	Yenepoya University, Mangalore	F
P-38	Electrodeposition of Ni-W Alloys and Ni-W-WC Nanocomposite Coatings <i>J. Varshney, S. K. Ghosh and V. Kain</i>	J. Varshney (Mr.)	MPCED, BARC	M
P-39	Defluoridation of Water Using Anion Exchangers and Surface Modified Cation Exchangers <i>Janhavi M. Karekar and Sanjaykumar V. Divekar</i>	Janhavi M. Karekar (Dr.)	K. L. S. Gogte Institute of Technology, Belagavi	F
P-40	Phosphorus, Nitrogen co-doped Graphene /MoS ₂ Nanohybrid for Better Electrocatalytic Performance Towards Hydrogen Evolution Reaction <i>K. Guru Prasad and T. Maiyalagan</i>	K. Guru Prasad (Mr.)	SRM IST, Kattankulathur	M
P-41	Electrochemical Corrosion Evaluation of Structural Materials in the Blanket Salt of Indian Molten Salt Reactor (IMSR) at 600-700 °C <i>K. K. Bairwa, V. S. Tripathi, S. J. Keny, D. B. Naik, A. K. Srivastava, Borgohain and N. K. Maheshwari</i>	K. K. Bairwa (Mr.)	RPCD, BARC	M
P-42	Electrosynthesis of 2-amino-5-mercapto-1,3,4-thiadiazole/TiO ₂ composite over copper surface for protection from corrosion <i>K. Vinothkumar and M. G. Sethuraman</i>	K. Vinothkumar (Mr.)	Gandhigram Rural Institute, Gandhigram	M
P-43	Voltammetric Determination of Mefenamic Acid at Silver doped TiO ₂ Nanoparticles Modified Electrode – an Electrochemical Study <i>Keerti S. Joshi, Shweta J. Malode and Nagaraj P. Shetti</i>	Keerti S. Joshi (Ms.)	BVB College of Engineering and Technology, Hubballi	F
P-44	Inclusion of Synthesised ZnO Nano-Particles into Electroless Ni-P Matrix and Their Properties <i>Kuldeep Kumar, Vakul Bansal, Sulaxna Sharma and Awanish Sharma</i>	Kuldeep Kumar (Mr.)	J V Jain College Saharanpur	M

P-45	¹⁷⁷ Lu-labeled Carbon Nanosphere-Peptide Conjugate as Tumor Targeting Radioprobe <i>Kusum Vats, Ashis Kumar Satpati, Haladhar Dev Sarma, Drishty Satpati, Ashutosh Dash</i>	Kusum Vats (Dr.)	RPhD, BARC	F
P-46	Clay Coated Carbon Electrode for a Food Dye Sunset Yellow <i>Lavanya P. Bidari, Nagaraj P. Shetti, Deepti S. Nayak and Raviraj M. Kulkarni</i>	Lavanya P. Bidari (Ms.)	K. L. S. Gogte Institute of Technology, Belagavi	F
P-47	Covalent Immobilization of Ferrocene on Functionalized Graphene Oxide Through (3-aminopropyl)trimethoxysilane Crosslinker for Nonenzymatic Amperometric Sensing of Catechol <i>M. Elanchezian, D. Manoj, D. Saravanakumar and S. Senthilkumar</i>	M. Elanchezian (Mr.)	Vellore Institute of Technology, Vellore	M
P-48	Hydrothermal Synthesis of RGO/NiMnO ₃ Nanoparticle Composite for Electrochemical Capacitor Application <i>M. K. Dey and A. K. Satpati</i>	M. K. Dey (Dr.)	ACD, BARC	M
P-49	Non-Aqueous Triphenylamine and Quinone Based Organic Primary Battery <i>M. R. Chinmaya, Ramavath Janraj Naik and Kothandaraman Ramanujam</i>	M. R. Chinmaya (Mr.)	IIT Madras, Chennai	M
P-50	Decoration of Metal and Alloy Nanoparticles on MoS ₂ for Hydrogen Evolution Reaction <i>Mamta Devi Sharma, Mrinmoyee Basu and Surojit Pande</i>	Mamta Devi Sharma (Ms.)	BITS Pilani, Rajasthan	F
P-51	Simultaneous Determination of Inosine, Hypoxanthine, Xanthine and Uric Acid Based on Amide Functionalised Carbon Nanotubes and Palladium Nanoparticles/Poly(bromocresol green) Modified Sensor <i>Mamta Raj and Rajendra N. Goyal</i>	Mamta Raj (Ms.)	IIT Roorkee, Roorkee	F
P-52	A facile electrochemical approach to prepare ⁵⁴ Mn point disc source for the calibration & performance evaluation of the gamma detectors <i>Manoj Kumar, Shyamala S. Gandhi, Usha Pandey, M. K. Dey, A. K. Satpati, Jitendra Nuwad, Rakesh Shukla and Ashutosh Dash</i>	Manoj Kumar (Mr.)	RPhD, BARC	M
P-53	Experimental Studies on Adiponitrile based Gel Polymer Electrolyte for Application in Electrical Double Layer Capacitors <i>Md. Yasir Bhat, Neetu Yadav and S. A. Hashmi</i>	Md. Yasir Bhat (Mr.)	University of Delhi, Delhi	M
P-54	V ₂ O ₅ Based All-Solid-State Asymmetric Supercapacitor: A Highly Efficient Energy Storage Device Bridging Conventional Batteries and Capacitors <i>Meena Ghosh, Vidyanand Vijayakumar, Roby Soni and Sreekumar Kururugot</i>	Meena Ghosh (Ms.)	CSIR-NCL, Pune	F
P-55	Carbon Coated Nano-Sand Anode Material for Lithium-Ion battery application <i>Mohammad Furquan, S. Vijayalakshmi and Sagar Mitra</i>	Mohammad Furquan (Mr.)	IIT Bombay, Mumbai	M
P-56	Graphene Oxide Based Sensor for the Electrochemical Determination of Congo Red-a Textile Dye <i>Mrutunjaya C. Hiremath, Shweta J. Malode and Nagaraj P. Shetti</i>	Mrutunjaya C. Hiremath (Mr.)	K.L.E. Institute of Technology, Hubballi	M
P-57	Electrochemical Sensing Platform Based on Graphene Oxide Nanoribbons for the Determination of Tyrosine Kinase Inhibitor, Bosutinib <i>Roopa S. Naik, Ranjita D. Tandel and J. Seetharamappa</i>	Ms. Roopa S. Naik (Ms.)	Karnatak University, Dharwad	F

P-58	Hardness and Corrosivity of Electroless Ni-P-CNF Activated Nanocomposite Coatings in Peracid Solutions <i>Munna Ram, Manoj Kumar Dhiman, Sulaxna Sharma, Manoj Kumar, Ram Kumar and Awanish Sharma</i>	Munna Ram (Mr.)	GEU, Dehradun	M
P-59	Potentiometric Method for The Determination of Chloride in Plasma Gasifier Residue from Polymeric Waste Materials <i>Harshala Parab, N. S. Shenoy and Sangita D. Kumar</i>	N. S. Shenoy (Ms.)	ACD, BARC	F
P-60	Electrochemical Behavior of Cetirizine Hydrochloride at Bentonite Clay Based Electrode and its Analytical Applications <i>Namrata D. Gaddad, Shweta J. Malode and Nagaraj P. Shetti</i>	Namrata D. Gaddad (Ms.)	K.L.E. Institute of Technology, Hubballi	F
P-61	Nanosilica Modified Electrode for the Electro-oxidation and Determination of an Antihistamine Drug <i>Nikita P. Magaji, Nagaraj P. Shetti, Shweta J. Malode, Shikandar D. Bukkitga and Raviraj M. Kulkarni</i>	Nikita P. Magaji (Ms.)	K. L. S. Gogte Institute of Technology, Belagavi	F
P-62	ZnO Nanoparticles Modified Sensor: A device for Electro-oxidation of Methdilazine <i>Nikita V. Jamakandi, Nagaraj P. Shetti, Shweta J. Malode, Deepti S. Nayak</i>	Nikita V. Jamakandi (Ms.)	K.L.E. Institute of Technology, Hubballi	F
P-63	Electroanalysis of 1,3-Dimethylxanthine at Zinc Oxide Nanoparticles Modified Electrode <i>Nishank Navelkar, Nagaraj P. Shetti, Shweta J. Malode, Shikandar D. Bukkitgar and Raviraj M. Kulkarni</i>	Nishank Navelkar (Mr.)	K. L. S. Gogte Institute of Technology, Belagavi	M
P-64	Fabrication and Testing of Miniaturized Chlorine Sensor <i>P. C. Clinsha, K. I. Gnanasekar and V. Jayaraman</i>	P. C. Clinsha (Ms.)	IGCAR, Kalpakkam	F
P-65	Non-Enzymatic Electrochemical Detection of Pyruvic Acid Using Graphene Oxide-Metal Nanocomposites <i>P. D. Priya Swetha, H. Manish, K. S. Prasad</i>	P. D. Priya Swetha (Ms.)	Yenepoya University, Mangalore	F
P-66	Comparable Ionicity of the Solutions of Aprotic and Protic Ionic Liquids by Anion Substitution <i>P. Jain and A. Kumar</i>	P. Jain (Ms.)	CSIR-NCL, Pune	F
P-67	Non-Enzymatic Hydrogen Peroxide Reduction Using Metal Free Tyramine-Graphene Electrocatalyst <i>Parag P. Chavan, Vijay S. Sapner and Bhaskar R. Sathe</i>	Parag P. Chavan (Mr.)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	M
P-68	High-Level Supercapacitive Performance of Chemically Reduced Graphene Oxide <i>Plawan Kumar Jha, Santosh Kumar Singh, Vikash Kumar, Shammi Rana, Sreekumar Kurungot and Nirmalya Ballav</i>	Plawan Kumar Jha (Mr.)	IISER Pune, Pune	M
P-69	Fabrication of Multi-Walled Carbon Nanotubes and ZnO Nanoparticles Composite Electrode as a Sensor for Paracetamol <i>Prabhanjan P., Nagaraj P. Shetti, Deepti S. Nayak and Raviraj M. Kulkarni</i>	Prabhanjan P. (Mr.)	K. L. S. Gogte Institute of Technology, Belagavi	M
P-70	Gravimetric and Electrochemical investigation of Vitamin B ₁₂ as Corrosion Inhibitor for Mild Steel in HCl Solution <i>Priya Kesari, Amrita Biswas and Udayabhanu G.</i>	Priya Kesari (Ms.)	IIT(ISM), Dhanbad	F

P-71	Oxygen Evolution Reaction by Co_3O_4 Nanomaterials: Role of Functionalized Surfactant as a Template <i>Priyajit Jash and Amit Paul</i>	Priyajit Jash (Mr.)	IISER Bhopal	M
P-72	Probing of Interaction between Ciprofloxacin and Carbon Quantum using Electrochemical and Spectroscopic Measurements <i>Priyanka Ranjeet Ipte and Ashis Kumar Satpati</i>	Priyanka Ranjeet Ipte (Ms.)	ACD, BARC	F
P-73	Electrochemical Behaviour of Cu and Cd Electrode for the Alkaline Medium <i>Purnakala Samant and Apurva A. Narvekar</i>	Purnakala Samant (Dr.)	Govt. College of Arts, Sc. & Com. Khandola, Goa	F
P-74	Electrochemical Investigation of Molybdenum Deposition from Oxide Based Molten Salt Electrolyte <i>R. Syed, R. P. Tripathi, S. K. Ghosh and V. Kain</i>	Rajak Syed (Mr.)	MPCED, BARC	M
P-75	Electrochemical Purification of ^{153}Sm from Radionuclidic Impurities of Eu for Effective Use in Radiopharmaceutical Preparation <i>Ramu Ram, Rubel Chakravarty, Mohammed Shahiralam Khan, Sudipta Chakraborty and Ashutosh Dash</i>	Ramu Ram (Mr.)	RPhD, BARC	M
P-76	A Facile Green Synthesis of Carbon Dots and Their Utility for Electrochemical Sensing of Hesperetin <i>Ranjita D. Tandel and J. Seetharamappa</i>	Ranjita D. Tandel (Ms.)	Karnatak University, Dharwad	F
P-77	Mineralization of Rhodamine-B Effluent by Electrolytic Method <i>Ratanesh Kumar, P. B. Wagh, S. V. Ingale, R. P. Patel, Pravin Kumar and T. C. Kaushik</i>	Ratanesh Kumar (Mr.)	APD, BARC	M
P-78	Electroanalysis of Nimesulide at Nanoclay Modified Electrode <i>Rohan S. Revankar, Nagaraj P. Shetti, Shweta J. Malode, Deepti S. Nayak</i>	Rohan S. Revankar (Mr.)	K.L.E. Institute of Technology, Hubballi	M
P-79	Electro-sensing Tool for Nonsteroidal Drug Flufenamic Acid at Multiwalled Carbon Nanotubes Modified Graphite Electrode <i>Rohit Desai, Deepti S. Nayak and Nagaraj P. Shetti</i>	Rohit Desai (Mr.)	K.L.E. Institute of Technology, Hubballi	M
P-80	Novel Layered CuCo_2O_4 for Non-enzymatic Glucose Sensing <i>Ruchika Sharma and Sumanta Kumar Meher</i>	Ruchika Sharma (Ms.)	MNIT Jaipur	F
P-81	Tailoring of Band Gap by Incorporating Rare Earth Element for Enhanced Photovoltaic Performance in QDSSC <i>S. Akash, Shwetharani R. and Geetha Balakrishna</i>	S. Akash (Mr.)	Jain University, Bangalore	M
P-82	$\text{ZrO}_2\text{:Mn}^{4+}$ Modified Carbon Paste Electrode for Non-Enzymatic Electrochemical Detection of Glucose <i>S. G. Manjushree, Parashuram Lakshminarayana and V. Udayakumar</i>	S. G. Manjushree (Ms.)	Siddaganga Institute of Technology, Tumkur	F
P-83	Enhancement in The Electrochemical Properties of LiFePO_4 by Forming its Composite with GO for Li-ion Batteries <i>S. J. Rajoba, L. D. Jadhav, R. S. Kalubarme, S. Varma and B. N. Wani</i>	S. J. Rajoba (Mr.)	Rajaram College. Kolhapur	M
P-84	Electrochemical Capacitance Properties of Entangled Over Cobalt Oxide MWCNT and Cobalt Oxide AC Composites <i>S. Sahoo and A. K. Satpati</i>	S. Sahoo (Mr.)	ACD, BARC	M

P-85	Development of f-MWCNT-Nafion/GCE as a Sensor for Electrochemical Studies and Determination of Carmustine, An Anti-Cancer Drug, Based on Improved Kinetic Parameters <i>Sachin Doi, Varsha Jakhar and D. K. Sharma</i>	Sachin Doi (Mr.)	University of Rajasthan, Jaipur	M
P-86	Development of Noble Metal-Free Bifunctional Electrocatalyst for Oxygen Reduction and Oxygen Evolution Reactions <i>Sagar B. Ingavale, Indrajit M. Patil, Bhalchandra Kakade and Anita swami</i>	Sagar B. Ingavale (Mr.)	SRM -IST, Kattankulathur	M
P-87	Synthesis of Tungsten Modified Vanadium Oxides for Applications in Photoelectrochemical Water Oxidation <i>Harahari Mandal and Chinmoy Bhattacharya</i>	Harahari Mandal (Dr.)	IEST, Shibpur	M
P-88	Electrochemical Detection of Dopamine using a Zirconia Oxide Nanoparticles Modified Electrode <i>Santhosh B. M., S. Manjappa, S. Manjaunatha, M. Shivakumar and M. S. Dharmaprakash</i>	Santhosh B. M. (Mr.)	UBDT College of Engineering, Davanagere	M
P-89	Electrochemical Determination of Butylated Hydroxy Anisole using Graphitic Carbon Nitrite (g-C ₃ N ₄) Modified Electrode <i>Saranya S., Ramalingam Manikandan, Sriman Narayanan and Deepa P. N.</i>	Saranya S. (Ms.)	University of Madras, Chennai	F
P-90	Electrochemical Detection of Glucose Using Cuprous Oxide Nanospheres <i>Sathiyathan Felix, Andrews Nirmala Grace and Ramasamy Jayavel</i>	Sathiyathan Felix (Ms.)	Anna University, Chennai	F
P-91	Effect of N-doping on Supercapacitive Performance of Reduced Graphene Oxide <i>Tapas Das, Seemita Banerjee and V. Sudarsan</i>	Seemita Banerjee (Dr.)	ChD, BARC	F
P-92	Efficient NiO@GO Electrocatalyst for Hydrogen Evolution Reaction (HER) in Acidic Medium <i>Shankar S. Narwade and Bhaskar R. Sathe</i>	Shankar S. Narwade (Mr.)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	M
P-93	Electro-oxidation and Determination of Nimesulide at Nanosilica Modified Electrode <i>Sharanbasava M. Sajjan, Nagaraj P. Shetti, Shweta J. Malode and Shikandar D. Bukkitgar</i>	Sharanbasava M. Sajjan (Mr.)	Dayananda Sagar University, Bangaluru	M
P-94	Electrocatalytic Reduction of Nitrobenzene on Electrodeposited Ni-Co-S <i>Shreya K. A., Nagashree K. L. and Keerthiga G.</i>	Shreya K. A. (Ms.)	B.M.S. College of Engineering, Bengaluru	F
P-95	Electro-sensing Base for Mefenamic Acid on a 5% Barium-doped Zinc Oxide Nanoparticle Modified Electrode and its Analytical Application <i>Soumyashree B. Salimath, Shikandar D. B. and Nagaraj P. Shetti</i>	Soumyashree B. Salimath (Ms.)	K.L.E. Institute of Technology, Hubballi	F
P-96	Cu ₂ O/MoS ₂ Heterojunction Photocathode for Enhanced Charge Separation for Water Splitting <i>Sriram Kumar and Ashis Kumar Satpati</i>	Sriram Kumar (Mr.)	ACD, BARC	M
P-97	Alkyl Modified Silane Sol-Gel Coating for Corrosion Protection of Galvaneal Steel <i>Subash Padhan, Tapan Kumar Rout and Udayabhanu G.</i>	Subash Padhan (Mr.)	IIT(ISM), Dhanbad	M
P-98	Cobalt Tetracarboxyphenylporphyrin Encapsulated in the ZIF-8 Framework: Simultaneous Electrocatalytic Water Oxidation and Oxygen Reduction <i>Subhabrata Mukhopadhyay, Olivia Basu and Samar K. Das</i>	Olivia Basu (Ms.)	University of Hyderabad, Hyderabad	F

P-99	Electroanalysis of Theophylline at Eriochrome Black –T and Graphite Powder Composite Electrode <i>Umesh S. Devarushi, Nagaraj P. Shetti, Shikandar D. Bukkitgar, Sudha S Deshpande and Suresh M. Tuwar</i>	Sudha S Deshpande (Ms.)	K.L.E. Institute of Technology, Hubballi	F
P-100	Selective Determination of Biotinylated Targets using Electrochemically Polymerized Molecularly Imprinted Polyaniline Nanostructure <i>Sudip Mandal and Kothandaraman Ramanujam</i>	Sudip Mandal (Mr.)	IIT Madras, Chennai	M
P-101	Electrochemical Oxidation of Hydrochlorothiazide at Graphene Oxide Modified Electrode <i>Suresh M. Tuwar, Shweta J. Malode, Deepti S. Nayak and Nagaraj P. Shetti</i>	Suresh M. Tuwar (Dr.)	Karnatak University's Karnatak Science College, Dharwad	M
P-102	Nano Bi/Sn Based Electrocatalysts for CO ₂ Reduction Reaction <i>Swarda Khatavkar and Santosh K.Haram</i>	Swarda Khatavkar (Ms.)	Savitribai Phule Pune University, Pune	F
P-103	High Cycling Stability Core-Shell Structured Mo ₄ V ₆ O ₂₅ Nanorods for Rechargeable Lithium-Ion Batteries <i>T. Jayalakshmi, Brij Kishore and G. Nagaraju</i>	T. Jayalakshmi (Ms.)	Siddaganga Institute of Technology, Tumkur	F
P-104	Electrochemical Sensor for Detection of Bacteria and Monitoring its Growth <i>Thara Ratna, S. H. Mangoli and Shilpa N. Sawant</i>	Thara Ratna (Ms.)	ChD, BARC	F
P-105	A Novel Sensor Based on Graphene Oxide Nanoparticles for the Analysis of an Antihistamine Drug <i>Tirumal R. Chakalabbi, Shweta J. Malode, Nagaraj P. Shetti, Deepti S. Nayak and Manu T. M.</i>	Tirumal R. Chakalabbi (Mr.)	K.L.E. Institute of Technology, Hubballi	M
P-106	Development of An Interactive Web Application Using R Shiny Open Source Software for Impedance Measurement Data Analysis <i>Trupti Mohanty, Biranchi M Tripathi, T. S. Mahata and P. K. Sinha</i>	Trupti Mohanty (Dr.)	PMD, BARC	F
P-107	Nanomolar Determination of Ambroxol at Patton and Reeders Reagent Modified Carbon Paste Electrode <i>Umesh S. Devarushi, Nagaraj P. Shetti and Suresh M. Tuwar</i>	Umesh S. Devarushi (Mr.)	Karnatak Science College, Dharwad	M
P-108	N and P Co-Doped Carbon Electrode to Improve the Electrical Performance of VRFB <i>Vasudevarao P., R. Janraj Naik and Kothandaraman R.</i>	Vasudevarao P. (Mr.)	IIT Madras, Chennai	M
P-109	Analysis of an Antiviral Drug at ZnO Nanoparticles Modified Electrode <i>Vibha M. V., Nagaraj P. Shetti, Shweta J. Malode, Shikandar D. Bukkitgar, Raviraj M. Kulkarni</i>	Vibha M. V. (Ms.)	K. L. S. Gogte Institute of Technology, Belagavi	F
P-110	Electrochemical Oxidation of Food Dye at Nanosilica Modified Carbon Electrode <i>Vrunda M. Balgi, Nagaraj P. Shetti, Deepti S. Nayak, Shweta Malode and Raviraj M. Kulkarni</i>	Vrunda M. Balgi (Ms.)	K. L. S. Gogte Institute of Technology, Belagavi	F
P-111	Studies on Corrosion of Stainless Steel (304L NAG) in Presence of Fluoride <i>Vrunda Yalmali and J. G. Shah</i>	Vrunda Yalmali (Ms.)	HRDD, BARC	

P-112	Hot Injection Synthesis of $\text{Cu}_2\text{Zn}_x\text{Cd}_{1-x}\text{SnS}_4$ Alloy Nanocrystals and Effect of Cadmium Alloying on the Band Edge Parameter of CZTS for Thin Film Solar Cell Application <i>Yogesh A. Jadhav, Pragati R. Thakur and Santosh K. Haram</i>	Yogesh A. Jadhav (Mr.)	Savitribai Phule Pune University, Pune	M
P-113	Microwave-Mediated Synthesis of NiCo_2S_4 -Graphene Composite and its Application for Redox-Capacitor <i>Yogesh Kumar Sonia and Sumanta Kumar Meher</i>	Yogesh Kumar Sonia (Mr.)	MNIT Jaipur	M
P-114	Preparation of ^{152}Eu Sources for Calibration of Gamma Ray Spectrometers using Electrodeposition-cum-chemisorption <i>Yugandhara Yadav, Manoj Kumar, Shyamala S. Gandhi, J. Nuwad, Usha Pandey and Ashutosh Dash</i>	Yugandhara Yadav (Ms.)	RPhD, BARC	F
P-115	Electrochemical Behaviour of Anti-depressant Drug Vilazodone and its Determination at f-MWCNT-Nafion/GCE Sensor <i>Mahadeva Singh Jat, Anubha Sharma, Krishna Kumar Jhankal and D. K. Sharma</i>	Mahadeva Singh Jat (Mr.)	University of Rajasthan, Jaipur	M
P-116	Biosorption of Hexavalent Chromium using Activated Sludge from Corn Industry <i>S. S. Kerur, G. M. Ratnamala and S. S. Joshi</i>	S. S. Kerur (Dr.)	KLE DR.M S Sheshgiri College of Engineering and Technology, Belagavi	F
P-117	Thermodynamic Properties of ThF_4 and UF_4 in LKE Molten salt from Electrochemical Measurements <i>Abhishek Kumar Rai and Renu Agarwal</i>	Abhishek Kumar Rai (Mr.)	FCD, BARC	M
P-118	A Novel Green Synthesised Gold Nanoparticles and Carbon Nanotubes Composite for the Electrochemical Detection of Paracetamol <i>M. Shivakumar, M. S. Dharmaprakash and S Manjappa</i>	M. Shivakumar (Mr.)	B M S College of Engineering, Bangalore	M
P-119	Investigations on Silver Coated Magnetic Nanoparticles as Active Material for Lithium Ion Batteries <i>R. K. Satvekar, S. Rajoba and L. D. Jadhav</i>	Lata D. Jadhav (Dr.)	Rajaram College, Kolhapur	F
P-120	Modification of Tungsten Oxide through Selective Addition of Calcium for Application in Photoelectrochemical Water Oxidation <i>Debasish Ray, Harahari Mandal and Chinmoy Bhattacharya</i>	Debasish Ray (Mr.)	IEST, Shibpur	M

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Team, CEAMCR-2018