(24) Bio-Sensors and Probes

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DETAILED PROGRAMME

Monday : 12-12-2016
Session I : 14.15-15.45

14.15-14.45 Invited Talk (1)	Shadi A. Dayeh	**ABS-267-ICYRAM** 1D Probes in Neurophysiology: From Cell Culture to Mapping Intact Brains
14.45-15.00 Oral (1)	Anuradha Soni Sandeep K. Jha	**ABS-356-ICYRAM** Non invasive saliva based optical glucose biosensor
15.00-15.30 Invited Talk (2)	Reji Varghese	**ABS-Email-ICYRAM** DNA-Based Surface Engineered Nanostructures
15.30-15.45 Oral (2)	D Bharathi Mohan Anil Kumar Pal	**ABS-206-ICYRAM** SERS detection of biomolecules on metal-semiconductor-metal hybrid nanostructures

Monday : 12-12-2016
Session II: 16.00-18.00

16.00-16.30 Invited Talk (3)	Niranjan S. Ramgir	**ABS-Email-ICYRAM** Nanowires: An excellent nanomaterial class for the next generation sensing application
16.30-16.45 Oral (3)	A P Micolich D. J. Carrad, A. B. Mostert A. R. Ullah, A. M. Burke H. J. Joyce, H. H. Tan C. Jagadish, P. Krogstrup J. Nygård, P. Meredith	**ABS-624-ICYRAM** Hybrid nanowire ion-to-electron transducers for integrated bioelectronic circuitry
16.45-17.00 Oral (4)	Anju Joshi Santosh N. Chavan Debaprasad Mandal C N Tharamani	**ABS-486-ICYRAM** Sensitive and selective determination of dopamine using _ionic liquid and nitrogen doped carbon nanotubes based composites
17.00-17.30 Invited Talk (4)	Priyanka Sabherwal	**ABS-Email-ICYRAM**
17.30-17.45 Oral (5)	Rinky Sha Sushmee Badhulika	**ABS-380-ICYRAM** Non-enzymatic detection of urea using Graphene-Polyaniline composite

17.45-18.00 Oral (6)	Shreshtha S Mishra Maithili R. Hedaoo Kavita A. Deshmukh Abhay D. Deshmukh Dilip R. Peshwe	**ABS-404-ICYRAM** Enhancing the sensing properties of GO-MnO2 nanocomposite based hydrogen peroxide sensor by addition of polyaniline-polypyrrole copolymer
18.00-18.15 Oral (7)	Navpreet Kaur Himkusha Thakur Nirmal Prabhakar	**ABS-71-ICYRAM** Nanomaterials based enzyme inhibition based biosensor for the detection of organophosphate insecticides

Tuesday : 13-12-2016
Session III : 12.00-13.15

12.00-12.30 Invited Talk (5)	Arindam Saha	**ABS-Email-ICYRAM** Development of Nanocomposites for Optical Biosensor
12.30-12.45 Oral (8)	M. Onoda D.M.G. Preethichandra E.M.I.M. Ekanayake	**ABS-25-ICYRAM** Construction of High Sensitivity Nano-Corrugated Biosensor
12.45-13.00 Oral (9)	Pramila M. Shukla V. Singh	**ABS-463-ICYRAM** Enzymatic Biosensor Based on Nanostructures Synthesized via Single Step Template Free Electropolymerization of Polypyrrole
13.00-13.15 Oral (10)	Pramila M. Shukla, T. Dixit I. A. Palani, V. Singh	**ABS-470-ICYRAM** Electrochemical Biosensor Based on Hydrothermally Grown ZnO/ZnCr2O4 Nanostructures

Poster Session :
Tuesday : 13-12-2016: Time: 14.15-17.15

24-Poster-01	I. Verma, S. Sidiq , S. K. Pal	**ABS-34-ICYRAM** Detection of creatinine using surface-driven ordering transitions of liquid crystals
24-Poster-02	Babina Chakma Priyamvada Jain Pranab Goswami	**ABS-53-ICYRAM** Development of indicator displacement based detection of malaria targeting HRP II as biomarker for point-of–care and analytical settings
24-Poster-03	Manishkumar D. Yadav Kinshuk Dasgupta Aayushi Kushwahaa Ashwin W. Patwardhan Dinesh Srivastava Jyeshtharaj B. Joshi	**ABS-56-ICYRAM** Highly sensitive H2O2 sensor from graphene synthesized by chemical vapour deposition
24-Poster-04	Phurpa Dema Thungon Naveen Kumar Singh Pranab Goswami	**ABS-61-ICYRAM** Study of Peroxidase mimicking agents/ Nanozymes for development of alcohol biosensors
24-Poster-05	Priyamvada Jain Babina Chakma Sanjukta Patra Pranab Goswami	**ABS-70-ICYRAM** Template structure dependent bright red silver nanoclusters for NAD+ detection in enzyme catalyzed reactions
24-Poster-06	Meegle S. Mathew Kuruvilla Joseph	**ABS-102-ICYRAM** Protein Stabilized Fluorescent Gold Quantum clusters for Turn on Sensing of Human Blood Creatinine
24-Poster-07	Pranab Goswami Priyanki Das	**ABS-103-ICYRAM** Fuel cell based methanol biosensor using biocompatible graphite conductive ink on paper surface
24-Poster-08	R Aswathi S. Panda K. Y. Sandhya	**ABS-162-ICYRAM** Physiological Level Electrochemical Detection of Dopamine by a Solution Processable Graphene obtained by Solid State Mechanical Pulverization of Graphite
24-Poster-09	Sameer Hussain Akhtar H. Malik Parameswar K. Iyer	**ABS-170-ICYRAM** FRET-assisted selective detection of flavins viacationic conjugated polyelectrolyte under physiological conditions
24-Poster-10	J. Narayanan S. Ponmariappan Sanjay Upadhyay Mukesh Kumar Sharma	**ABS-212-ICYRAM** Fluorescence based immunoassay of botulinum toxin; a Biological Warfare agent

24-Poster-11	Appan Roychoudhury Arneish Prateek Suddhasatwa Basu D. Sakthi Kuma Sandeep Kumar Jha	**ABS-332-ICYRAM** Dopamine Biosensor Based on Prussian Blue Encapsulated Nickel Oxide Nanospheres on Flexible Substrate
24-Poster-12	Tomohiko Yoshioka Tomoaki Tezuka Toshiisa Konishi Satoshi Hayakawa	**ABS-415-ICYRAM** Electrochemical Preparation of Silica Gels as a Platform for Biosensing Applications
24-Poster-13	Shipra Verma Siddhartha Panda	**ABS-478-ICYRAM** Effect of Microfluidic Channel Geometries on Capture Efficiency
24-Poster-14	Prem Jyoti Singh Rana Pallavi Singh , Prasenjit Kar	**ABS-619-ICYRAM** Carbon Nanoparticles for Ferric ion Detection and Novel HFCNs-Fe3+ Composite for NH3 and F- Estimation Based on "TURN ON" Mechanism
24-Poster-15	Sankalp Verma Vivek Verma	**ABS-697-ICYRAM** Single step patterning of antibodies: an effective approach for developing antibody based sensors
24-Poster-16	K V Hemalatha M.SureshKumar, N.Nanjundan R.Narayanasamy, S,N.Karthick S.Selvam, Hee Je Kim	**ABS-732-ICYRAM** Influence of Strong and selective adsorption of chicken egg white (lysozyme) with S, N doped graphene oxide on anticancer activity