

## **(28) Clean Water**

Chair :

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**DETAILED PROGRAMME****Tuesday, 17-12-2013****Session I : 10.15 – 11.15**

10.15 - 10.45 Invited Talk (1)	W. Kim, I. Cho, S. Park, S. Kwon and <u>S.J. Kim</u>	<b>ABS - Email - ICA</b> Nano-electrical Water Purification by Ion Concentration Polarization
10.45 - 11.00 Oral (1)	<u>Naveen Kumar Veldurthi</u> G.Ravi, Palla Suresh J R Reddy, Ravinder Guje Someshwar Pola and M.Vithal	<b>ABS - 350 - ICA</b> Semiconductor photocatalysis for clean water: Current trends and challenges
11.00 - 11.15 Oral (2)	Niya Mary Jacob Praveena Kuruva Nagaraju Kottam Giridhar Madras and <u>Tiju Thomas</u>	<b>ABS - 366 - ICA</b> Water remediation using room temperature synthesized oxides

**Session II : 11.45 – 13.15**

11.45 - 12.15 Invited Talk (2)	<u>Nitin Labhsetwar</u> , S. Rayalu and P.K. Labhsetwar	<b>ABS - Email - ICA</b> Materials for Defluoridation of Water and Wastewater
12.15 - 12.45 Invited Talk (3)	S.P. Suriyaraj, T. Vijayaraghavan, P. Biji and <u>R. Selvakumar</u>	<b>ABS - 1670 - ICA</b> Adsorption of fluoride from aqueous solution using different phases of microbially synthesized TiO <sub>2</sub> nanoparticles
12.45 - 13.00 Oral (3)	<u>Reny Thankam Thomas</u> N. Sandhyarani	<b>ABS - 544 - ICA</b> Graphene titania nanocomposites for effective removal of mercury
13.00 - 13.15 Oral (4)	<u>Satyajit Shukla</u>	<b>ABS - 909 - ICA</b> An Alternative to Conventional Photocatalysis Process for the Industrial Dye-Removal from Aqueous Solutions – “Dark-Catalysis”

**Session III : 16.00 – 18.00**

16.00 - 16.30 Invited Talk (4)	<u>A. Sreekumaran Nair</u>	<b>ABS - Email - ICA</b> Electrospun TiO <sub>2</sub> Nanostructures/Polymers for Photocatalysis & Self-cleaning Coatings
16.30 - 17.00 Invited Talk (5)	<u>S. Khuntia</u>	<b>ABS - Email - ICA</b> Natural red clay media for purification of drinking water in domestic and community water supply
17.00 - 17.15 Oral (5)	<u>Pubali Adhikary</u> S. Krishmoorthi Sagar Pal, R. P. Singh	<b>ABS - 1558 - ICA</b> Multifunctional glycogen derivatives: Development and application as efficient flocculants

17.15 - 17.30 Oral (6)	<u>Prathana T.C.</u> and Ashok M. Raichur	<b>ABS - 1251 - ICA</b> Development of Layer-by Layer (LbL) Fabricated Poly (Styrene Sulfonate)/Al <sub>2</sub> O <sub>3</sub> Multilayer Thin Films and its application in fluoride removal
17.30 - 18.00 Invited Talk (6)	<u>T. Pradeep</u>	<b>ABS - Email - ICA</b> Biopolymer-reinforced synthetic granular nanocompositors for affordable point-of-use water purification

**Poster Session :**

**Tuesday, 17-12-2013, 14.00 - 15.30**

28 - Poster - 01	Swetha S M Bhat and Nalini G Sundaram	Sun Light driven Photocatalysis of Bi <sub>4</sub> TaO <sub>8</sub> Cl Nanoparticles Synthesized by Solution Combustion Technique	<b>ABS - 1230 - ICA</b>
28 - Poster - 02	Prathna T.C. and Ashok M. Raichur	Development of Layer-by-Layer (LbL) Fabricated Poly (Styrene Sulfonate)/Al <sub>2</sub> O <sub>3</sub> Multilayer Thin Films and its application in fluoride removal	<b>ABS - 1251 - ICA</b>
28 - Poster - 03	T.J. Alencherry Somnath Ghosh, Jency Daniel and R. Venkataraghavan	Effect of materials and process interventions on the life and performance of electrodes in a CDI cell	<b>ABS - 1275 - ICA</b>
28 - Poster - 04	S. Krishnamoorthi and R.P. Singh	Dextran based smart flocculating Agents	<b>ABS - 1627 - ICA</b>
28 - Poster - 05	Soujit Sen Gupta and Thalappil Pradeep	Unusual dehalogenation on graphene nanocomposites: Degradation of the pesticide, lindane to trichlorobenzenes and removal of the products from water	<b>ABS - Email - ICA</b>