

Department of Chemistry



Seminars/ Invited Lectures Organized by the Department

20th January, 2018: Invited lecture by Dr. Sambuddha Mishra (IISc., Bangalore)

16th & 17th March, 2018: National Seminar on Facets of Chemistry in Materials & Biology, FOCMB-2018

Speakers -

1. Prof. Pradyut Ghosh (IACS, Kolkata)
2. Prof. S. P. Rath (IIT Kanpur)
3. Prof. Narayan Pradhan (IACS, Kolkata)
4. Prof. Prasenjit Ghosh (IIT Bombay)
5. Prof. D. K. Maiti (Calcutta University)
6. Dr. Abhishake Mondal (IISc., Bangalore)
7. Dr. C. Malla Reddy (IISER, Kolkata)
8. Prof. Sujoy Baitalik (Jadavpur University)
9. Dr. Ayan Dutta (IACS, Kolkata)
10. Dr. C. Malla Reddy (IISER, Kolkata)
11. Prof. Sujoy Baitalik (Jadavpur University)

20th June 2018: International Seminar on Chemistry & its Relevance to Environmental Biology, CREB-2018

Speakers -

1. Dr. Saurav Chakrabarty (Central Connecticut State University, USA)
2. Prof. Mintu Halder (IIT, Kharagpur)
3. Dr. Biswadip Banerji (IICB, Kolkata)
4. Rev. Dr. Xavier Savarimuthu S.J. (SXC, Kolkata)

Presentations by the Faculty Members

Dr. Sanjib Ganguly was a Resource Person in UGC CPE funded State Level Workshop on “Chemistry for Biologist” on December 14, 2017 at the BRSN College

Research Publication by the Faculty Members

1. 3D time-dependent wave-packet approach in hyper spherical coordinates for the $H^+ O_2$ reaction on the CHIPR and DMBE IV potential energy surfaces

S. Ghosh, R. Sharma, S. Adhikari, A.J.C. Varandas

Physical Chemistry Chemical Physics, 2018, 20 (1), 478-488
(Impact Factor: 3.91)

2. Convergent Synthesis of Novel Mono- and Di-substituted 1,2-Isopropylidene-glucufuranose Appended Dendrimers with a Ferrocene Core and their Electrochemical Studies

Ankur Ray, Sabiha Khan

Syn. Lett. 2018, 29, 1367–1372. (Impact Factor: 2.10)

3. Ambient-Stable Bis-Azoaromatic-Centred Diradical $[(L\bullet)M(L\bullet)]$ Complexes of Rhodium(III): Synthesis, Structure, Redox and Spin-Spin Interaction

Sima Roy, Shuvam Pramanik, Sarat Chandra Patra, Basab Adhikari, Abhishake Mondal, Sanjib Ganguly and Kausikisankar Pramanik

Inorganic Chemistry. 2017, 56(21), 12764-12774. (Impact Factor: 4.82)

4. Beyond Born-Oppenheimer theory for ab initio constructed diabatic potential energy surfaces of singlet to study reaction dynamics using coupled 3D time ...

S. Ghosh, S. Mukherjee, B. Mukherjee, S. Mandal, R. Sharma, P. Chaudhury

The Journal of Chemical Physics, 2017, 147 (7), 074105 (Impact Factor: 2.84)

