

# National Seminar on Green Chemistry- Challenges & Technological opportunities in India

September 09, 2016

Organized by



Durgapur Vishwagandha Science Society  
([www.viswagandha.org](http://www.viswagandha.org))  
Durgapur – 713205, WB,India

In Association with  
Department of Electronics & Communication Engineering  
Dr. B.C. Roy Engineering College, Durgapur  
Jemua Road, Fuljhore, Durgapur- 713206  
Phone: 0343 2501353



## **INVITATION**

It is of course a great pleasure to announce that we are going to organize a One-day National Seminar on "Green Chemistry – Challenges and technological opportunities in India" at Dr B C Roy Engineering College Durgapur on September 09, 2016. This is a national importance with a strong emphasis on environmental pollution caused by the textiles, pharmaceuticals, fertilizers, iron & steel and chemical. This is first of its kind in this region.

## **INTRODUCTION**

The field of Green and Sustainable Chemistry has developed to monitor, understand and limit the changes to our world due to the varying levels of chemicals in our environment. It seeks for methods to reduce waste, energy and use of resources. This will not only contribute to a more sustainable growth of industry but also to a more green economy and environment.

Green chemistry expresses an area about pollution awareness and it utilizes a set of principles that reduces or eliminates the use or generation of hazardous substances in all steps. Chemists and textiles scientists can greatly reduce the risk to human health and the environment by following all the valuable principles of green chemistry with the development of advanced technology.

## **Scientific Programme:-**

1. Current successes and future challenges for Green Chemistry and its application in industries
2. Introduction to Green Chemistry and sustainable solvents
3. Overview of the various areas of Green Chemistry
  - a) Human health
  - b) Global Warming
  - c) Renewable Energy
  - d) Depletion of Resources
  - e) Water Quality
4. Green industrial processes and Molecular innovation included Green catalysis, Green solvents, Pharma, Biocatalysts and biotransformation, Biofuels etc.

## **SPEAKERS ON DIFFERENT TOPICS**

Prof Brindaban Chandra Ranu  
INSA Senior Scientist & J C Bose  
National Fellow,  
Department of Organic Chemistry,  
IACS, Jadavpur, Kolkata,  
Professor Manas K Chakraborty,  
Bose Institute, Kolkata,  
Dr. Alakananda Hajra, Dept of  
Chemistry, Visva-Bharati University,  
Santiniketan,  
Dr. Ranjan Jana, Indian Institute of

Chemical Biology, Jadavpur,  
Kolkata,

Dr Chinmay Choudhury, Indian  
Institute of Chemical Biology,  
Jadavpur, Kolkata

Prof. Adinath Majee, Dept of  
Chemistry, Visva-Bharati University,  
Santiniketan

## **About the Venue**

Dr. B.C. Roy Engineering College, Durgapur, is dedicated to the memory of Dr. Bidhan Chandra Roy, the architect of modern West Bengal and BCREC management is deeply committed to gradually build the college as one of the best seats of Engineering and Management Education in Eastern India with domestic and global requirements in view.

BCREC was set up with a view to be a leader in imparting quality technical education in the country. Since inception, BCREC has created one of the finest infrastructures and fortunate enough to attract the best possible faculty and generating top quality Engineering professionals and managers year after year is, indeed, a true service to the nation.

## **ROLE OF DURGAPUR VISWAGANDHA SCIENCE SOCIETY:-**

Durgapur Viswagandha Science Society (DVSS), Durgapur is a Non – Profit Scientific NGO was established in the Year of 1990. It is now forerunner and pioneering scientific organization in this region working in the area of promoting and advancing S&T and their applications to the problems of national importance. Its mandate is to stimulate interest, encourage invention and research in pursuit of excellence in the field of S&T and disseminating scientific knowledge to the community through its activities by organizing meetings, discussions, seminars, symposiums and publications.

## **MISSION: - OUR MISSION IS SCIENCE FOR SOCIETY**

### **Chief Patron**

Mr.Dulal Mitra, President BCREC

### **Patron**

Mr.T.Bhattacharjee, Treasurer BCREC

### **Advisory committee**

Prof.(Dr). A.Sinha, Principal BCREC

Prof.(Dr).D.N.Ghosh

Prof Keka Hazra

Mr.Aloke Kahali

### **Organizing Co-Chairs**

Prof.(Dr).N.N.Pathak

Prof.Rajib.Banerjee

Mr.Sasti.Brata.Kabiraj

### **Programme Co-Chairs**

Prof.(Dr).S.R.Das

Prof.(Dr).A.Ghosh

Prof.(Dr).S.Dey

Prof.(Dr).Sarit Pal

Prof.(Dr).C.K..Ghosh

## **Programme vice Co-Chairs**

Prof .Rajdeep Ray

Prof .Anirban Chattopadhyay

Mrs.Jaba Kabiraj

## **Steering Committee**

Prof. Tapas Mondol

Prof.(Dr).Tribeni Prasad Banerjee

Prof Mrinmoy Chakraborty

Prof Ankita Mitra

Prof Dipta Chowdhury

Prof.Ramkrishna Rakhit

Prof. Abhijit Banerjee

## **Registration Committee/Desk**

Prof.M.Mondol

Prof D.Dutta

Prof. Nilkamal Bhunia

Mr.S.Mukherjee

## **Refreshment Committee**

Prof.Sourav Moitra

Prof.Pradipta Sarkar

Mr.M.Mukherjee

Mr.Santanu.Roy

Mr.Surajit Bottabyal

Mr.Samar nath .Rajak

## **Student core committee**

Romharshan saket

Indranil Kundu

Akash Pathak

Shilpa Nayak

**Date: 9<sup>th</sup> September 2016**

**Duration: - one day**

**Venue: Dr.B.C.Roy Engineering College Durgapur at Albert Einstein Hall**

**Registration: within 7<sup>th</sup> sept 2016**

**(strictly on first come basis)**

**Seats: Limited**

For further details please contact

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# **National Seminar on Green Chemistry- Challenges & Technological opportunities in India**

## **Report**

A One-day National Seminar on “Green Chemistry – Challenges and technological opportunities in India” at Dr B C Roy Engineering College Durgapur on September 09, 2016. The theme of the seminar is based on strong emphasis on environmental pollution caused by the textiles, pharmaceuticals, fertilizers, iron & steel and chemical. This is first of its kind in this region. The field of Green and Sustainable Chemistry has developed to monitor, understand and limit the changes to our world due to the varying levels of chemicals in our environment. It seeks for methods to reduce waste, energy and use of resources. This will not only contribute to a more sustainable growth of industry but also to a more green economy and environment. Prof.(Dr.) Brindaban Ranu, Professor of IACS, Kolkata was the chief guest on this occasion. Some of the notable speakers were Prof.(Dr.) Alokanda Hazra, Prof.(Dr.) Adinath Maji, Prof.(Dr.) Chinmoy Chaudhuri, Prof.(Dr.) Manas Kumar Chakraborty, Prof.(Dr.) Ranjan Jana. The seminar was organized by ECE department, and Prof.(Dr.) N. N. Pathak and Prof. Rajib Banerjee was the organizing chair.

**Green Chemistry 2016**

Sl. No.	Name	Univ. Roll No.	Mobile
1	ABINASH GUPTA	12000315002	7076727684
2	ADITI PANDE	12000315003	7872869783
3	AKASH KUMAR	12000315004	8537013558
4	AKASH PATHAK	12000315005	8900196728
5	AKSHAY KANT	12000315006	7098717643
6	ALEKH KUMAR	12000315007	7001101529
7	AMAN KUMAR	12000315008	9431705434
8	AMIT KUMAR BHAGA	12000315009	9563783260
9	ANIK BISWAS	12000315010	7699843551
10	ANIRBAN CHATTARAJ	12000315011	8158928067
11	ANJLI	12000315012	8757722218
12	ANKIT KUMAR	12000315014	8293430620
13	ANKITA SARKAR	12000315015	9836765053
14	ANUSHKA MAZUMD	12000315016	8101087557
15	ANUBHAV ROY	12000315017	8116174660
16	ANWESHA SARKAR	12000315019	9836765053
17	ARNAB DUTTA	12000315021	7469953331
18	ARNAB GHOSH	12000315022	9091165644
19	ASHUTOSH CHANDRA	12000315024	9471906576
20	AVINASH KUMAR MA	12000315026	6200839699
21	AYUSH KUMAR JHA	12000315027	7044532341
22	BANDANA GUPTA	12000315029	7550900509
23	BISWAJIT DAS	12000315030	9734419056
24	CHANDAN KUMAR	12000315031	9851562969
25	CHINMAY BARIK	12000315032	9563638406
26	DEEPAK KUMAR	12000315034	8250160794
27	DEEPTI	12000315035	8327558337
28	DIPENDRA PRAKASH	12000315037	8789183372
29	FARHAT PARWEEL	12000315039	9679057828
30	FAUZIA NASIM	12000315040	7551061964
31	GARGEE MITRA	12000315041	8159032863
32	JAYANTO KUMAR DAS	12000315047	9801987043
33	KRNTI KUMAR	12000315049	8759731424
34	LALBABU SAH	12000315052	7544813030
35	MANISH PRATAP	12000315055	9083620365
36	MD ASHIF KHAN	12000315058	9832832501
37	MD MUKHTAR ALAM	12000315059	8906009461
38	MITHUN KUMAR YAD	12000315061	8539973652
39	MOHIT NIRANJAN	12000315062	8404971655
40	NANDITA SHARAN	12000315064	7004035352
41	NEHA MANDAL	12000315066	7031659713
42	NIKITA	12000315067	7098716693
43	NIRAJ KUMAR	12000315068	7098714676

Regi. B. Banerjee

44	NIRAJ KUMAR SINGH	12000315069	9564567273
45	RAHUL KUMAR	12000315074	9564540680
46	RAHUL RAJ	12000315075	8409228635
47	RAKESH KUMAR SINGH	12000315076	9473144663
48	RAM ANUJ VATS	12000315078	9431890338
49	RANJAN PRAKASH KUMAR	12000315079	9734660345
50	ROUNAK BASU	12000315080	7076429265
51	RINA REGAR	12000315081	7585866064
52	RITI KUMARI	12000315082	9734521186
53	ROHIT KUMAR	12000315085	9128378050
54	ROMHARSHAN SAKET	12000315086	7098707853
55	SAGARIKA MANDAL	12000315087	8906281894
56	SAIYAD AHMAD	12000315088	9748690682
57	SAMARPAN ROY	12000315090	8272959065
58	SAUBHIK KUMAR	12000315093	8544324273
59	SAURABH PRATAP	12000315094	7031819324
60	SHASHI KUMAR	12000315095	7654426627
61	SHILPA NAYAK	12000315096	9531796966
62	SHIV KUMAR MUNDA	12000315097	7031873699
63	SHRISHTEE SHORYA	12000315099	7407834558
64	SHUBHAM DHANRAJ	12000315100	7903558008
65	SHUBHAM KUMAR	12000315101	9162433315
66	SIMRAN	12000315103	7031872364
67	SOMA BHATTACHARJEE	12000315105	7519489317
68	SONAL DAS	12000315106	8987516178
69	SRISHTI BISHT	12000315108	8250356564
70	SWATI KUMARI	12000315114	7098716619
71	SYED SARAH TASNIM	12000315115	9635567879
72	TARAPADA PAL	12000315116	9733694834
73	TISHYA BANERJEE	12000315117	9434101541
74	TITHI MANDAL	12000315118	9479825612
75	UTKARSH CHAURASIA	12000315119	7003029164
76	VIJAYA LAXMI	12000315120	8250267149
77	VIKAS KUMAR	12000315121	7407684148
78	VISHAL KUMAR	12000315124	9563016155
79	SMRITI SHIKHA	12000316002	7033160076
80	PRIYANKA KUMARI	12000316005	7765034740

*Rajib Dasgupta*