

**UGC – Human Resource Development Centre
Jawaharlal Nehru University, New Delhi**

1st Refresher Course in Chemistry
2nd January – 27th January, 2017

Course coordinators:

Prof. Vibha Tandon

Special Centre for Molecular Medicine, JNU

Email: vtandon@mail.jnu.ac.in, vibhadelhi6@gmail.com

Dr. Pijush Kumar Sasmal

School of Physical Sciences, JNU

Email: pijus@mail.jnu.ac.in , pijussasmal@gmail.com

Dr. Manoj Munde

School of Physical Sciences, JNU

Email: mmunde@mail.jnu.ac.in, mundemanoj@gmail.com

List of participants

Sr. No.	NAME	STATE
1	A. SYED MOHAMED	TAMIL NADU
2	ARKAJA GOSWAMI	DELHI
3	ASHISH K. SHARMA	UTTARKAHAND
4	BIPUL BEZBARUAH	ASSAM
5	C. RAJESH	KERALA
6	FIRDOOS AHMAD ITOO	JAMMU & KASHMIR
7	GIRDHARILAL BALKISHAN TIWARI	MAHARASHTRA
8	HAREKRISHNA BAR	WEST BENGAL
9	INDU SINGH	UTTAR PRADESH
10	J. SHAKINA	TAMIL NADU
11	J. SURESH	ANDHRA PRADESH
12	JITENDRA	UTTARAKHAND
13	KIRAN	DELHI
14	M. SADASHIVA	KARNATAKA
15	MAYUR PRABHAKAR DESAI	MAHARASHTRA
16	MITRAGOTRI SATISH DHEERENDRA	MAHARASHTRA
17	MOHAMMED SAMIM	DELHI
18	MUKESH	DELHI
19	MUNESH	UTTAR PRADESH
20	N. MANI	TAMIL NADU
21	NEETU TRIPATHI	UTTARAKHAND
22	P. MAHALINGAM	TAMIL NADU
23	PALANI NATARAJAN	CHANDIGARH
24	PARUL SINGH	DELHI
25	PRASHANT SINGH	DELHI
26	PRINCE FIRDOOS IQBAL	JAMMU & KASHMIR

27	PRIYANKA PUROHIT	RAJASTHAN
28	RAHUL KAR	ASSAM
29	RAJNI	HARYANA
30	RAM BABU PACHWARYA	DELHI
31	RAVI KUMAR	DELHI
32	RITU	HARYANA
33	RJEEV KUMAR BHADKARIYA	MADHYA PRADESH
34	RUCHI SHARMA	HARYANA
35	S.N.RAO PASUPULETI	MAHARASHTRA
36	SACHIN KUMAR	UTTAR PRADESH
37	SANDIP KUMAR RAJAK	WEST BENGAL
38	SATISH KUMAR	JAMMU & KASHMIR
39	SONIA NAIN	HARYANA
40	SURESH KUMAR NATH	ASSAM
41	SYED SHAHED RIAZ	WEST BENGAL
42	TITTO VARUGHESE	KERALA
43	VAISHALI POONIA	UTTAR PRADESH
44	VIKRANT KUMAR	DELHI
45	SHAILENDRA KUMAR SINGH	DELHI
46	BIJOY KUMAR CHOUDHARY	JHARKHAND

Schedule

WEEK I

Yoga Classes thrice a week (Mon, Wed, Fri) from 6:00 am to 7:00 am

DATE	9:30am-10:30am	10:30 am – 11:00 am	11:00 am -12:15 pm	1:00 pm –2:00 pm	2:00 pm Onwards		
Monday, January 2, 2017	Registration	Tea Break	Inaugural Session, Committee Room HRDC	Lunch	Interaction with the Course Coordinators		
DATE	9:30am -11:00am	11.00 am – 11.30 am Tea Break	11:30 am-1:00 pm	1.00 pm-2.00 pm Lunch Break	2.00 pm - 3.30pm	3.30 pm – 3.45 pm Tea Break	3:45 pm-5:15 pm
Tuesday, January 3, 2017	Prof. B. Jayaram <i>"Computational Chemistry"</i>		Prof. Arunachalm Ramanan <i>"Physical Inorganic Chemistry"</i>		Prof. Akhilesh Verma <i>"Organic Chemistry"</i>		Prof. Umesh Kulshrestha <i>"Environmental Chemistry"</i>
Wednesday, January 4, 2017	Prof. Rajeev Gupta <i>"Supramolecular Chemistry: Fundamentals"</i>		Prof. Rajeev Gupta <i>"Supramolecular Chemistry: Intriguing Examples and Case Studies"</i>		Discussion with Course Coordinators		Prof. Sameer Bakhshi <i>"Cancer Medicine: Advances in Therapeutics"</i>
Thursday, January 5, 2017	Dr. Pritam Mukhopadhyay <i>"Inorganic/Material Chemistry"</i>		Prof. R Brakaspathy <i>"Chemical Sciences Research Funding by SERB"</i>		Prof. D. S. Rawat <i>"Organic Chemistry"</i>		Dr. V. Haridas <i>"Basic Principles of Chemical biology"</i>
Friday, January 6, 2017	Prof. Dinesh Mohan <i>"Environmental Chemistry"</i>		Dr. Nidhi Jain <i>"Palladium and copper in cross-coupling and C-H bond activation: from micro to nano-scale catalysis"</i>		Prof. Shrikant Kukreti <i>"Organic Chemistry"</i>		Prof. M. Thirumal <i>"Inorganic Chemistry"</i>

Week – II

DATE	9:30am -11:00am	11.00 am – 11.30 am Tea Break	11:30 am-01.00 pm	12:45 pm- 01.45 pm Lunch Break	2.00 pm - 3.30pm	03.30 pm – 03.45 pm Tea Break	3:45 pm-5:15 pm
Monday, January 9, 2017	Prof. Rama Kant <i>“Electrochemistry at Fractal Electrodes”</i>		Prof. Parbati Biswas <i>(Inorganic Chemistry)</i>		Dr. Sobhan Sen <i>“Molecular Spectroscopy and its Utility in Everyday Life”</i>		Dr. Sobhan Sen <i>“Observing Molecular Diffusion and Interaction at Single Molecule Level”</i>
Tuesday, January 10, 2017	Dr. Sameer Sapra <i>(Material Chemistry)</i>		Dr. Ranjan Nanda <i>“Application of OMICS tool to understanding clinical presentation of tuberculosis”</i>		Dr. Dinabandhu Das <i>“Basic Principle and Application of X-ray Crystallography”</i>		Prof. Rajiv Bhat <i>“Microcalorimetry and its applications in Chemistry and Biology”</i>
Wednesday, January 11, 2017	Dr. Ramesh C. Gaur <i>“Plagiarism, it's detection and avoidance”</i>		Prof. Souvik Maiti <i>“Interfering with Interference: targeting the RNAi pathway”</i>		AIRF VISIT		AIRF VISIT
Thursday, January 12, 2017	Prof. J. M. Khurana <i>“Single Electron transfer in Organic Reactions”</i>		Prof. P. Sarma <i>'Funding Opportunities & The Process'</i>		Dr. Puja Panwar Hazari <i>“Development of Biologically Active Molecular Agents for theranostic: Translating Chemistry to Clinics”</i>		Prof. Pradipta Bandyopadhyay <i>(Computational Chemistry)</i>
Friday, January 13, 2017	Prof. Anil K. Mishra <i>(Physical Chemistry)</i>		Prof. Ashok K. Prasad <i>(Organic Chemistry)</i>		Prof. Sitharaman Uma <i>(Inorganic Chemistry)</i>		Prof. R. Nagarajan <i>(Inorganic Chemistry)</i>

Week – III

DATE	9:30am -11:00am	11.00 am – 11.30 am Tea Break	11:30 am-01.00 pm	12:45 pm-01.45 pm Lunch Break	2.00 pm - 3.30pm	03.30 pm – 03.45 pm Tea Break	3:45 pm-5:15 pm
Monday, January 16, 2017	Prof. Ashok Ganguli <i>“Nanomaterials synthesis and characterization”</i>		Dr. Indrajit Roy <i>“Nanomedicine: Research and clinical perspectives”</i>		Dr. Shashank		<i>Project Preparation</i>
Tuesday, January 17, 2017	Dr. Amit Dinda <i>“Education in Bio-Medical Field: The Challenges in India”</i>		Dr. Mohan Prasad <i>“Process Development & Scale-up of Active Pharmaceutical Ingredients (API) from a Generic Perspective”</i>		Prof. M. Sarwar Alam <i>“Chemistry of Flavonoids”</i>		<i>Project Preparation</i>
Wednesday, January 18, 2017	Prof. Sunil K. Sharma <i>“Challenges and Options for Drug Delivery”</i>		Dr. Pijus Kumar Sasmal <i>“Small Molecules in Medicinal Therapeutics”</i>		Prof. Anil J. Elias <i>“Chemistry of the p block elements: Teaching methods”</i>		Prof. Vibha Tandon <i>“Medicinal Chemistry”</i>
Thursday, January 19, 2017	Prof. Ravi Shankar (Inorganic Chemistry)		Prof. Gurmeet Singh <i>“Corrosion in daily life”</i>		Dr. Gouriprasanna Roy (Bioinorganic Chemistry)		Prof. Sharif Ahmad <i>“Sustainable Polymers”</i>
Friday, January 20, 2017	Dr. Jyoti Sharma		Dr. Pramit Chaowdhury <i>“Principles and Applications of Fluorescence Spectroscopy”</i>		Dr. Supriya Sabbani (Inorganic Chemistry)		Prof. Krishan Mishra <i>“Scientific Writing”</i>

Week – IV

DATE	9:30am -11:00am	11.00 am – 11.30 am Tea Break	11:30 am-01.00 pm	1.00 pm-2.00 pm Lunch Break	2.00 pm - 3.30pm	03.30 pm – 03.45 pm Tea Break	3:45 pm-5:15 pm
Monday, January 23, 2017	Prof. Ashok Kumar Prasad <i>“Modified Sugars Precursors for the Synthesis of Nucleosides, Amphiphiles and Pseudorotaxanes”</i>		<i>Discussion on Project Proposal Presentation</i>	Group Photo	Dr. Manoj Munde <i>(Biophysical Chemistry)</i>		Prof. N. G. Ramesh <i>“Carbohydrates: From a Mere Source of Energy to Chemistry and Biology”</i>
Tuesday, January 24, 2017	Evaluation				Evaluation		
Wednesday, January 25, 2017	Evaluation				Evaluation		
Thursday, January 26, 2017	HOLIDAY						
Friday, January 27, 2017	9:30 am Feedback		11:00am to 12:00pm Combined Interactive Session in the Committee Room (HRDC)				

