

**DEPARTMENT OF CHEMISTRY, IIT ROORKEE**

Shortlisted candidates for **IDEAZ CELL- I: (Waiting List (if any) will be displayed on 20<sup>th</sup> March,2008)**

<b>No.</b>	<b>Name of the Individual/ Team Members</b>	<b>Institute</b>	<b>Topic</b>
1	N. Bala Saidulu	Department of Chemistry, IIT Roorkee	Interfacial tension model for catalytically driven nanorods
2	Bhavyadeep Singh	University Of Petroleum & Energy Studies, Dehradun	Nanotechnology: A remedy for oil Spills
3	Chahat Bhatia Amit K. Yadav	Biological Science department, Birla Institute of Technology and Science, Pilani (BITS-Pilani)	A new method to detect Iron or its concentration in solutions using dead lysed RBC solution.
4	F Infant Anto Ponselvan Mayank Kumar	Department of Chemical Engineering, IIT Roorkee	Treatment of Distillery wastewater by Electrocoagulation
5	Maninder Pal Kaur	Department of Chemistry, IIT Roorkee	Synthesis of Some Tetrahydro-2-and 3-bezazepines, and of Hexahydro-3-banzazocine
6	Pradeep Kumar Singh Laxman Nagar	BITS Pilani C.C.S University, Meerut	Bioelectricity: The Power of Microbes
7	Ashish Upadhayay	Department of Chemistry, IIT Roorkee	Mimicing of Heamoglobin in vitro conditions.
8	Richa Agarwal Navjeet Ahalawat	C.C.S University, Meerut S.V.B.P.A. University, Meerut	BIOSTRIP: Use of Hemoglobin and Chlorophyll for the Detection of Metals in Drinking Water
9	Suvendu Sen	Department of Chemistry, IIT Roorkee	Preparation of <sup>99m</sup> Tc(CO) <sub>3</sub> - labeled derivatives of 2 and 4 nitroimidazole for targeting tumor hypoxic cells
10	Rangarao Pullami	Department of Chemistry, IIT Roorkee	Nanocrystals to Nanorods: A Precursor Approach for the Synthesis of Magnesium Hydroxide Nanorods from Magnesium Oxychloride Nanorods Starting from Nanocrystalline Magnesium Oxide
11	Abhimanyu Khatwani Devina Varma	Vellore Institute Of Engineering, Vellore, Tamil Nadu	Supramolecular Self Assemblies
12	Reshma Rani	Department of Chemistry, IIT Roorkee	Synthesis, Anticancer and anti- inflammatory activity of methanesulfonamide and amidine derivatives of 2-iminothiazolines
13	Vaibhave Agarwal	Department of Chemistry, IIT Roorkee	Host-Guest Interaction: Aliphatic C-H bond oxygenation and structural studies of an unusual cobalt cage for encapsulation of benzoate anions
14	Madhu Rani Sapna Saini	BITS Pilani Maharaj Singh College, Sharanpur	Water Purification: Using Microbial Metabolic Energy to Purify Water
15	Satyadhar Joshi Sravya A	SVITS Indore	Emerging trends of Nanomanufacturing by CVD method and Electrical properties of CNT
16	Ankita Jain Anubhav Rastogi	U.I.E.T Campus, C.S.J.M University, Kanpur	Structural Bioinformatics studies of protein PknB of Mycobacterium <i>tuberculosis</i>

**DEPARTMENT OF CHEMISTRY, IIT ROORKEE**

Shortlisted candidates for **IDEAZ CELL- II: ( No Waiting List will be displayed)**

<b>No.</b>	<b>Name of the Individual</b>	<b>Institute</b>	<b>Topic</b>
1	Arijit Mallick	Dept. of Chemistry, IIT Roorkee	Structural Control of (Arylimido)vanadium(V) Compounds through piConjugation (p NA)
2	Vivek Vishal Sharma	Dept. of Chemistry, IIT Roorkee	Quantum dots and their application
3	Kartik	B.Tech ,IIT Roorkee	Formation of concentric ferromagnetic nanotubes from biologically active phospholipids
4	Amit Kumar	Dept. of Chemistry, IIT Roorkee	Chemical properties of Snake Venom
5	Bharghav Ansuni	Dept. of Chemistry, IIT Roorkee	Organic light emitting Diodes
6	Jayaramulu. K	Banaras Hindu University, Banaras	<sup>1</sup> H-NMR and different its Application
7	S.J. Choudhary	Department of Chemical Engg., IIT Roorkee	Use of Biodegradation for Treatment of Volatile Organic Compounds
8	Swarndeeep Kaur Shetty	Dept. of Chemistry, IIT Roorkee	Microwave Assisted Organic Synthesis
9	Sauvik Das	Dept. Of Earth Sciences, IIT Roorkee	Carbon Nanotubes
10	Khushalini Ulman,	Institute Of Chemical Technology, Mumbai	Hydrogel Drug Delivery Systems
11	Moni Kumari Gupta	Dept. of Chemistry, IIT Roorkee	Green Chemistry Principles and its application
12	Priyanka Juneja	UIET, CSJM University, Kanpur	Genetical metabolomics of flavonoid biosynthesis in Populus:a case study
13	Kaustav Banerjee	Dept. of Chemistry, IIT Roorkee	Zinc, Cadmium, and Mercury 1,2-Benzenedithiolates with Intramolecular NH•••S Hydrogen Bonds
14	Sonu Jai Pratap Singh	Dept. of Chemistry, IIT Roorkee	Development of Dendrimers: Macromolecules for Use in Organic Light-Emitting Diodes and Solar Cells
15	Satyanarayana	Dept. of Chemistry, IIT Roorkee	Role of chloride ions in the formation of Au@Ag core-shell nanocrystal structures by using a microwave polyol method
16	Bachhav Gaurav Dilip	Dept. of Chemistry, IIT Roorkee	HIV-I Virus
17	Padmini	Department of Chemical Engg., IIT Roorkee	Production of activated carbon from agricultural byproducts and evaluation of their properties
18	Shraddha Bhadhauria	UIET, CSJM University Kanpur	A new member of the chalcone synthase (CHS) family in sugarcane
19	Rajeev Ranjan	IIT Delhi	Nanoscale Memory Characterization of Virus-Templated Semiconducting Quantum Dots
20	N. Bala Saidulu	Dept. of Chemistry, IIT Roorkee	Magneto-optical Properties of Metals