

2001

Name: Dr. Ch. Venkata Reddy

Organisation/Institution when Awarded: Indian Institute of Chemical Technology, Hyderabad, Telangana

Research Supervisor: Dr. B.M. Choudary

Topic for which Awarded: The First Example of Molecular Oxygen in Ni-Al Hydrotalcite: A Novel Protocol for Selective Oxidation of Alcohols

Topic of Research: Synthesis, Modification, Characterisation and Applications Layered Double Hydroxides in Synthetic Organic Chemistry

Current Designation & Organisation: Research Chemist, BioCryst Pharmaceuticals, Birmingham, Alabama



2002

Name: Dr. Radha Kishan Motukuri

Organisation/Institution when Awarded: Indian Institute of Chemical Technology, Hyderabad, Telangana

Research Supervisor: Dr. K.V. Raghavan

Topic for which Awarded: Synthesis, Characterization of Zeolite Molecular Sieves and its Application in the Cyclization to Macrocycles and Drug Intermediates

Topic of Research: Synthesis Characterization of Zeolite Molecular Sieves and its Application in the Cyclization to Macrocycles and Drug Intermediates

Current Designation & Organisation: Senior Scientist, Pacific Northwest National Laboratory, Richland, Washington, USA



2003

Name: Prof. J. Subbalakshmi

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad

Research Supervisor: Prof. T.P. Radhakrishnan

Topic for which Awarded: Linear and Non Linear Optical Properties of Novel Organic Molecular Materials – Based on Diaminodicyanoquinodimethanes

Topic of Research: Organic Molecular Materials

Current Designation & Organisation: Associate Professor, Department of Chemistry, BITS-Pilani, Hyderabad Campus, Hyderabad, Telangana



2004



Winner

Name: Dr. K.V.S. Ranganath

Organisation/Institution when Awarded: Indian Institute of Chemical Technology, Hyderabad, Telangana

Research Supervisor: Dr. B.M. Choudary

Topic for which Awarded: Bifunctional Nanocrystalline MgO for Chiral Epoxy Ketones via Claisen-Schmidt Condensation – Asymmetric Epoxidation Reactions

Topic of Research: Design and Development of Nanocrystalline Materials for Selective Asymmetric Organic Transformations

Current Designation & Organisation: Assistant Professor, Department of Chemistry, Guru Ghasidas University, Bilaspur, Chhattisgarh



Runner-up – I

Name: Dr. Indraganti Jaykumar

Organisation/Institution when awarded: Jawahar Lal Nehru Technological University, Hyderabad, Telangana

Research Supervisor: Prof. Y. Anjaneyulu

Topic for which Awarded: A Client / Server Based Continuous Air Pollution Monitoring for Episode Warning in Urban Environment

Topic of Research: Assessment of Ambient Air Quality of Hyderabad and Strategies for Management Using GIS, RS and Field Studies

Current Designation & Organisation: Service Delivery Lead, Corteva Agri Science, Hyderabad



Runner-up – II

Name: Dr. M. Satish Kumar

Organisation/Institution when Awarded: National Institute of Nutrition, Hyderabad, Telanganaz

Research Supervisor: Dr. G Bhanuprakash Reddy

Topic for which Awarded: Molecular Chaperone Function of α -Crystallin: Effect of Post Translational Modifications Cataractogenesis

Topic of Research: Molecular Chaperone Function of α -Crystallin: Effect of Post Translational Modifications Cataractogenesis

Current Designation & Organisation: Assistant Professor, Cincinnati Children's Hospital Medical Centre, Cincinnati

2005

Winner**Name:** Dr. Shanti Kalipatnapu**Organisation/Institution when Awarded:** Centre for Cellular and Molecular Biology, Hyderabad, Telangana**Research Supervisor:** Dr. Amitabha Chattopadhyaya**Topic for which Awarded:** Interaction of Serotonin₁ : A Receptor with its Membrane Environment**Topic of Research:** Interaction of Serotonin_{1A} Receptor with its Membrane Environment**Current Designation & Organisation:** Consultant, Publication, Indian Institute of Science Education and Research (IISER), Pune**Runner-up – I****Name:** Dr. A Prabhakar**Organisation/Institution when Awarded:** Indian Institute of Chemical Technology, Hyderabad, Telangana**Research Supervisor:** Dr. A.C. Kunwar**Topic for which Awarded:** Investigating Structural and Conformational Details of Restricted Macromolecules, Sugar Amino Acids and Peptidomimetics using Modern High Field NMR Techniques**Topic of Research:** Investigating Structural and Conformational Details of Restricted Macromolecules, Sugar Amino Acids and Peptidomimetics Using Modern High Field NMR Techniques**Current Designation & Organisation:** Application Scientist, Bruker Corporation, Billerica, United States**Runner-up – II****Name:** Dr. M Sharath Chandra**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. T.P. Radhakrishnan**Topic for which Awarded:** Polyelectrolyte Templated Langmuir / Langmuir-Blodgett Films and Their Applications**Topic of Research:** Polyelectrolyte Templating in Langmuir-Blodgett Films: Enhanced Second Harmonic Generation in Molecular Materials and Chain Organization in Polymer Assemblies**Current Designation & Organisation:** Principal Research Scientist at Applied Research and Technology at Schlumberger, Cambridge, Massachusetts

2006



Winner

Name: Dr. Shatabdi Porel

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Prof. T.P. Radhakrishnan

Topic for which Awarded: In Situ Synthesis of Nanoparticles and their Application

Topic of Research: In Situ Synthesis of Metal Nanoparticles and their Application

Current Designation & Organisation: Scientist, Physical & Materials Chemistry Division, CSIR-National Chemical Laboratory, Pune



Runner-up – I

Name: Dr. Meenal Vyas

Organisation/Institution when Awarded: Centre for Cellular and Molecular Biology, Hyderabad, Telangana

Research Supervisor: Dr. Durgadas P. Kasbekar

Topic for which Awarded: Chromosome Segment Duplications in Neurospora Crassa and their Effects on Repeat - Induced Point Mutation (RIP) and Meiotic Silencing by Unpaired DNA

Topic of Research: Duplication and Gene Silencing in Neurospora

Current Designation & Organisation: Research Associate, Indian Institute for Horticultural Research (IIHR), Bengaluru



Runner-up – II

Name: Dr. Sandip Banthia

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Prof. Anunay Samanta

Topic for which Awarded: Studies Towards the Design and Development of Photoactive Super molecules for Signalling Transition Metal Ions

Topic of Research: Studies Towards the Design and Development of Photoactive Super Molecules for Signalling Transition Metal Ions

Current Designation & Organisation: Deputy General Manager, LGC Promochem India Pvt Ltd. Bengaluru, Karnataka

2007

Winner**Name:** Dr. M Ravi Kumar**Organisation/Institution when Awarded:** Indian Institute of Chemical Technology, Hyderabad, Telangana**Research Supervisor:** Dr. M Vairamani**Topic for which Awarded:** Chiral Discrimination of α -AminoAcids by the DNA Triplet GCA**Topic of Research:** Chiral Recognition and Mechanistics Study of Gas Phase Metal Complexes using Electroscopy Ionization Mass Spectrometry**Runner-up I****Name:** Dr. M. Jaya Prakash**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. T.P. Radhakrishnan**Topic for which Awarded:** Remote Functionality and Templating Chiral Surfaces for Noncentrosymmetric Crystal Lattice Formation for Second Harmonic Generation Application**Topic of Research:** Organic Salts and Cocrystals for Nonlinear Optical Applications**Current Designation & Organisation:** Assistant Professor, National Institute of Technology, Rourkela**Runner-up – II****Name:** Dr. B Surender Reddy**Organisation/Institution when Awarded:** Indian Institute of Chemical Technology, Hyderabad, Telangana**Research Supervisor:** Dr. Rajkumar Banerjee**Topic for which Awarded:** Development of Estrogen Receptor Targeted Breast Cancer Therapeutics: Novel Gene Therapeutic and Chemotherapeutic Approaches**Topic of Research:** Development of Estrogen Receptor Targeted Breast Cancer Therapeutics: Novel Gene Therapeutic & Chemotherapeutic Approaches

2008



Winner

Name: Dr. Abhijit Patra

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Prof. T.P Radhakrishnan

Topic for which Awarded: Synthesis and Fabrication of Novel Fluorescent Molecular Nanomaterials: Optical Properties and Applications

Topic of Research: Synthesis and Fabrication of Novel Fluorescent Molecular Nanomaterials: Optical Properties and Applications

Current Designation & Organisation: Assistant Professor, Department of Polymer and Material Chemistry, Indian Institute of Science Education and Research, Bhopal

Runner-up – I

Name: Dr. N. Jagadeesh Babu

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Prof. Ashwini Nangia

Topic for which Awarded: Studies on Polymorphism, Cocrystals & Pharmaceutical Cocrystals and Strong Hydrogen Bonds Under the Broad Area of Crystal Engineering and Supramolecular Chemistry

Topic of Research: Hydrogen Bonding in Isostructurality, Polymorphism and Cocrystal Design

Current Designation & Organisation: Senior Scientist, CSIR - Indian Institute Chemical Technology, Hyderabad

Runner-up – II

Name: Dr. Mohd Naseer Ahmed Khan

Organisation/Institution when Awarded: Indian Institute of Chemical Technology, Hyderabad, Telangana

Research Supervisor: Dr. Ahmed Kamal

Topic for which Awarded: Synthesis, Structure Analysis, and Antibacterial Activity of Novel 10-Substituted 2-(4-Piperidyl / Phenyl)-5,5-Dioxo [1,2,4] Triazolo[1,5-b] [1,2,4] Benzothiadiazine Derivatives

Topic of Research: New Pyrrolo[2,1-e][1,4] Benzodiazepine: Synthesis and Biological Evaluation

Current Designation & Organisation: Research Scientist-II, Department of Medicinal Chemistry, Sai Life Sciences, Hyderabad



2009

Winner**Name:** Dr. M Srujan Kumar**Organisation/Institution when Awarded:** Indian Institute of Chemical Technology, Hyderabad, Telangana**Research Supervisor:** Dr. Arabinda Chaudhuri**Topic for which Awarded:** Cationic Glycolipids with Cyclic and Open Galactose Head Groups for the Selective Targeting of Genes to Mouse Liver**Topic of Research:** Probing Unresolved Structure Activity Issues in Liposomal Gene Delivery and a Novel Therapeutic Use of Lipofection**Current Designation & Organisation:** Scientist, Centre for Stem Cell Research, Christian Medical College, Vellore**Runner-up – I****Name:** Dr. M Udaya Kiran**Organisation/Institution when Awarded:** Indian Institute of Chemical Technology, Hyderabad, Telangana**Research Supervisor:** Dr. B Jagadeesh**Topic for which Awarded:** Design and NMR Structural and Conformational Studies of Unnatural Peptidic Foldamers and their Hybrids with Natural Amino Acids**Topic of Research:** Design and Structural Investigation of Novel Peptidomimetic and Peptide Nucleoside Oligomers: NMR Spectroscopic Studies**Current Designation & Organisation:** Scientist, Central NMR Facility, CSIR-National Chemical Laboratory (NCL), Pune**Runner-up – II****Name:** Dr. Bipul Chandra Sharma**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. Ashwini Nangia**Topic for which Awarded:** Synthesis and Characterization of New Crystalline Solids. Develop Solvent-Free Methods for Polymorph Growth of Host Molecule for Easy Uptake of Solvent Molecules from Crystallization Media.**Topic of Research:** Study on Polymorphism, Cocrystals, Molecular Salts, Organic Zeolite like Materials, Porous and Network Solid Under the Broad Area of Crystal Engineering and Supramolecular Chemistry Using Various Spectroscopic Techniques, Thermal and X-ray Data Analysis**Current Designation & Organisation:** Assistant Professor, Department of Chemical Sciences, Tezpur University (A Central University) Tezpur, Assam

2009



Runner-up II

Name: Dr. N Guravaiah

Organisation/Institution when Awarded: National Institute of Technology, Warangal, Telangana

Research Supervisor: Dr. V. Rajeswar Rao

Topic for which Awarded: New Route Design for the Synthesis of Styryl Sulfones as Anticancer Agents

Topic of Research: Synthesis and Biological Studies of New Heterosulfones and Styryl Sulfones

Current Designation & Organisation: Senior Manager BD, Taizhou City, Zhejiang, China

2010



Winner

Name: Dr. G G K S N Kumar

Organisation/Institution when Awarded: Indian Institute of Chemical Technology, Hyderabad, Telangana

Research Supervisor: Dr. J.S. Yadav

Topic for which Awarded: Studies for Directed Prins Cyclization and Application to the Synthesis of (+) – Neopeltolide

Topic of Research: Studies for Directed Prins Cyclization and Application to the Synthesis of (+) - Neopeltolide

Current Designation & Organisation: Post-Doctoral Associate, Israel Institute of Technology (Technion) & University of Haifa (UH), Haifa, Israel

Runner-up – I

Name: Dr. K Rajesh

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad

Research Supervisor: Prof. T.P. Radhakrishnan

Topic for which Awarded: Novel Optical Materials Based on Molecular Ultrathin Films and Nanocomposites

Topic of Research: Fabrication of Ultrathin Films for Optical and Nonlinear Optical Applications

Current Designation & Organisation: Assistant Professor, Physics, AMET University, Chennai



2010

Runner-up – II

Name: Dr. M Vasavi

Organisation/Institution when Awarded: Nizam College, Osmania University, Hyderabad, Telangana

Research Supervisor: Prof. V Uma

Topic for which Awarded: Study of Interactions Between Mycobacterium Tuberculosis Proteins – TB1 and anti TB1

Topic of Research: Identification of New Lead Molecules - A Molecular Modeling Study

Current Designation & Organisation: Assistant Professor, Chemistry, PG College, Saifabad, Hyderabad



Special Out-station Award

Name: Dr. Veeranki Nagavani

Organisation/Institution when awarded: Andhra University, Visakhapatnam, Andhra Pradesh

Research Supervisor: Dr. T Raghava Rao

Topic for which Awarded: Evaluation of Anti-oxidant Potential and Qualitative Analysis of Major Polyphenols by RP-HPLC in the Flowers of Medicinal Plants

Topic of Research: Evaluation of Anti-oxidant Potential and Qualitative Analysis of Polyphenols by RP-HPLC in the Flowers of Medicinal Plants

Current Designation & Organisation: Sr. Assistant Professor, Department of Biochemistry, Aurora's Degree & PG College, Hyderabad



2011

Winner

Name: Dr. N Chandrasekhar

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Prof. Rajadurai Chandrasekar

Topic for which Awarded: Fabrication of Multi-dimensional (0-3D) Shape-defined and Shape-shifting Functional Nano-structures from Diverse π -Conjugated Organic Back-to-back Coupled Ligand Molecules and Study of their Electronic Properties

Topic of Research: Organic Nano-Photonics: Synthesis, Bottom-Up Self-Assembly, Multi-Dimensions, and Optical Waveguiding Studies

Current Designation & Organisation: Postdoctoral Fellow, Prof. Xinliang Feng group, Dresden, Germany



2011



Runner-up – I

Name: Dr. Palash Sanphui

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Prof. Ashwini Nangia

Topic for which Awarded: Novel Polymorphs of Indian Spice Turmeric Curcumin and Their Characterization Using Single Crystal and Powder X-ray Diffraction, Spectroscopic Techniques and Thermal Analysis (HSM)

Topic of Research: Physicochemical Properties Improvement of APIs by Solid Form Screening

Current Designation & Organisation: Assistant Professor, Chemistry, SRM University, Kanchipuram



Runner-up – II

Name: Dr. L Yamini

Organisation/Institution when Awarded: Nizam College, Osmania University, Hyderabad, Telangana

Research Supervisor: Dr. M Vijulatha

Topic for which Awarded: Drug Design and Synthesis of Privileged Molecules as Anticancer Agents Towards the Inhibition of DHFR Enzyme

Topic of Research: Drug Designing for Inhibition of Cancer

Current Designation & Organisation: Assistant Professor, Department of Chemistry, Nizam College, Hyderabad, Telangana



Special Out-station Award

Name: Dr. S Vijaya Laxmi

Organisation/Institution when Awarded: National Institute of Technology, Warangal

Research Supervisor: Dr. B Rajitha

Topic for which Awarded: Synthesis, Antimicrobial Activities of Indole Barbiturates and Their Single Crystal X-ray Studies

Topic of Research: Synthesis of New Heteroaryl Compounds by Green Methodologies and Study of their Biological Activities

Current Designation & Organisation: Assistant Professor, Department of Chemistry, University College of Arts & Science, Palamuru University, Mahabubnagar, Telangana

2012

Winner**Name:** Dr. Monima Sarma**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. Samar K Das**Topic for which Awarded:** D- π -A-A- π -D Prototype 2,2 α -Bipyridine Dyads Exhibiting Large Structure and Environment-Sensitive Fluorescence: Synthesis, Photophysics and Computation**Topic of Research:** Spectroscopic and Supramolecular Aspects of Inorganic-Organic Hybrid Solids Based of Nitrogen Containing Ligands: Approaches Towards Non-linear Optics and Spontaneous Resolution**Current Designation & Organisation:** Assistant Professor, Department of Chemistry, KL University, Vijayawada, Andhra Pradesh**Runner-up – I****Name:** Dr. Joydeb Manna**Organisation/Institution when Awarded:** Indian Institute of Chemical Technology, Hyderabad, Telangana**Research Supervisor:** Dr. Rohit Kumar Rana**Topic for which Awarded:** Polyamine Mediated Mineralization of Nanostructured ZnO and Ag-ZnO Under Mild Conditions and Their Application as Photocatalyst**Topic of Research:** Biomineralization, Synthesis of Nanomaterials under Mild Conditions, Applications of Nanomaterials in Various Fields**Current Designation & Organisation:** Assistant Professor, Mahishadal Raj College, Purba Medinipur, West Bengal**Runner-up – II****Name:** Dr. T Sheshashena Reddy**Organisation/Institution when Awarded:** Osmania University, Hyderabad**Research Supervisor:** Prof. A Ram Reddy**Topic for which Awarded:** Synthesis of 2/3/4-Alkylimidonaphthalimides and Luminescent Properties**Topic of Research:** Synthesis of Naphthaline imids and Investigation of their Luminescent Properties**Current Designation & Organisation:** Postdoctoral Fellow Department of Chemical Engineering, Konkuk University, Seoul, Republic of Korea (South)

2013



Winner

Name: Dr. M. Hanumantha Rao

Organisation/Institution when Awarded: Advanced Centre of Research in High Energy Materials (ACRHEM), Hyderabad, Telangana

Research Supervisor: Dr. K Muralidharan

Topic for which Awarded: Syntheses, Characterization and Energetic Properties of Closo-(B₁₂H₁₂)-2 Salts of Imidazolium Derivatives

Topic of Research: Syntheses, Characterization and Energetic Material Properties of Boron and Nitrogen Rich Compounds

Current Designation & Organisation: Research Associate, ACRHEM, University of Hyderabad, Telangana



Runner-up – I

Name: Dr. Supratim Basak

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Prof. Rajadurai Chandrasekar

Topic for which Awarded: Top Down and Bottom Up Approaches for the Fabrication of Functional Molecular Nano/Micro Structures

Topic of Research: Novel Molecular and Metallo-Supramolecular Nano-Materials: Design, Synthesis, Processing and Functional Aspects



Runner-up – II

Name: Dr. Sk. Mohammadunnisa

Organisation/Institution when Awarded: Indian Institute of Technology, Hyderabad, Telangana

Research Supervisor: Dr. Ch. Subrahmanyam

Topic for which Awarded: Abatement of Greenhouse Gases by Novel, Eco-friendly Technique (NTPDBD Reactor)

Topic of Research: NiO/Ce_{1-x}Ni_xO₂-Δ as an Alternative to Noble Metal Catalyst for CO Oxidation

2014

Winner**Name:** Dr. Pramiti Hui**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. Rajadurai Chandrasekhar**Topic for which Awarded:** Syntheses of Novel Hetero Cyclic Ligands Exhibiting Paramagnetic Property. Photonic and Spintronic Device Fabrication from the Nano/Micro Structure by Bottom Up/Top Down (Lithography) Technique**Topic of Research:** Nano-/Micro-Scale Organic Paramagnetic Materials: Synthesis, Characterization, Self-Assembly, Optical Wave Guiding and Device Structure**Current Designation & Organisation:** Post-Doctoral Researcher, IIT - Bombay, Mumbai**Runner-up I****Name:** Dr. D. Srinivas**Organisation/Institution when Awarded:** ACRHEM, University of Hyderabad, Hyderabad**Research Supervisor:** Dr. K Muralidharan**Topic for which Awarded:** Synthesis of Amino, Azido, Nitro and Nitrogen-rich Azole Substituted Derivatives of 1H-Benzotriazole for High Energy Materials Applications and Tetra Anionic Nitrogen-Rich Tetrazole- Based Energetic Salts**Topic of Research:** High Energy Material Synthesis and Study of their Energetic Properties**Current Designation & Organisation:** Assistant Professor, Department of Chemistry, Indian Institute of Technology, Kanpur**Runner-up – I****Name:** Dr. Kottalanka Ravi Kumar**Organisation/Institution when Awarded:** Indian Institute of Technology, Hyderabad, Telangana**Research Supervisor:** Dr. Tarun Kanti Panda**Topic for which Awarded:** Novel Amidophosphine Ligands into the Alkaline Earth & Rare Earth Metal Coordination Sphere –Syntheses, Structures and Polymerization Study**Topic of Research:** Novel Amidophosphine Ligands into the Alkaline Earth & Rare Earth Metal Coordination Sphere - Syntheses, Structures and Polymerization Study**Current Designation & Organisation:** Associate Professor, Chemistry Department, Vignan's University, Guntur, Andhra Pradesh

2014



Runner-up – II

Name: Dr. Y Dattu Reddy

Organisation/Institution when Awarded: Jawahar Lal Nehru Technology University, Hyderabad, Telangana

Research Supervisor: Dr. Ch. Venkata Ramana Reddy

Topic for which Awarded: Water Mediated, Environmentally Friendly, Stepwise, Tandem & One-pot Syntheses of 2-(1H-Benzo-2-yl)-N-Arylbenzamides

Topic of Research: Studies on Syntheses of Phthalimide and Phthalazine Derivatives Under Green Conditions

Current Designation & Organisation: Manager, MSN Laboratories Pvt. Ltd., Pashamylaram, Hyderabad

2015



Winner

Name: Dr. M Sreekanth

Organisation/Institution when Awarded: International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad

Research Supervisor: Dr. Suhash Ranjan Dey

Topic for which Awarded: Electrodeposition Technique for the Fabrication of CIGS Thin-films

Topic of Research: Fabrication of CuInSe₂ and Cu(In, Ga)Se₂ Absorber Layers by Pulse and Pulse-reverse Electrochemical Techniques for Solar Photovoltaic Applications

Current Designation & Organisation: Project Scientist, Center for Solar Energy Materials, ARCI, Hyderabad

Runner-up – I

Name: Dr. A Srinivasan

Organisation/Institution when Awarded: Anna University, Chennai, Tamil Nadu

Research Supervisor: Prof. N Rajendran

Topic for which Awarded: Electrochemical Corrosion Behavior of Chemical Conversion Coated AZ31 Magnesium Alloy in Simulated Body Fluid Solution

Topic of Research: Corrosion Behavior of Chemical Conversion Coated AZ31 Magnesium Alloy and Extruded Pure Magnesium in Chloride Containing Environments

Current Designation & Organisation: Research Fellow, School of Mechanical Engineering and Automation, Beihang University, Beijing, China



2015

Runner-up – I

Name: Dr. Manish Kumar Mishra

Organisation/Institution when Awarded: Indian Institute of Science, Bangalore, Karnataka

Research Supervisor: Prof. Gautam R Desiraju

Topic for which Awarded: Solid Solution Hardening of Molecular Crystals: Tautomeric Polymorphs of Omeprazole

Topic of Research: Mechanical Properties of Molecular Crystals Through Nanoindentation

Current Designation & Organisation: Postdoctoral Researcher at University of Minnesota



Runner-up – II

Name: Dr. M Madhumala

Organisation/Institution when Awarded: Indian Institute of Chemical Technology, Hyderabad, Telangana

Research Supervisor: Dr. S Sridhar

Topic for which Awarded: Recovery of Valuable Organic / Inorganic Compounds Using Membrane Contractor Systems

Topic of Research: Synthesis and Characterization of Novel Solvent-Resistant Polymeric Barriers and their Application in Membrane Contactor Systems

Current Designation & Organisation: Research Associate, CSIR- IICT, Hyderabad



2016

Winner

Name: Dr. Sudip Mukherjee

Organisation/Institution when Awarded: Indian Institute of Chemical Technology, Hyderabad, Telangana

Research Supervisor: Dr. Chitta Ranjan Patra

Topic for which Awarded: Graphene Oxides Show Angiogenic Properties

Topic of Research: Design, Fabrication and Characterization of Nanoparticles / Nanoconjugates (Gold, Silver, Platinum, Prussian Blue Analogue, Graphene Oxides) and their Potential Theragnostic Applications in Biomedical Sciences

Current Designation & Organisation: Postdoctoral Research Associate, Department of Bioengineering, Rice University, Texas, USA



2016



Runner-up - I

Name: Dr. R Kavitha

Organisation/Institution when Awarded: Bangalore University, Bangalore, Karnataka

Research Supervisor: Dr. L Gomathi Devi

Topic for which Awarded: Synergistic Effect Between Carbon Dopant in Titania Lattice and Surface Carbonaceous Species for Enhancing the Visible Light Photocatalysis

Topic of Research: Synthesis, Characterization and Electronic Structure of Highly Efficient Visible Light Tunable Non-metal Ion Doped TiO_2 Photocatalysts and Their Applications in the Decomposition of Organic Pollutants by Photocatalysis and Photoelectrocatalysis

Current Designation & Organisation: Assistant Professor, Department of Chemistry, Vijaya College, Bangalore

Runner-up – II

Name: Dr. Paulami Manna

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Dr. Samar K Das

Topic for which Awarded: A Mononuclear Co(II) Coordination Complex Locked in a Confined Space Acting as an Electrochemical Water Oxidation Catalyst: 'A Ship in a Bottle' Approach

Topic of Research: Synthesis, Characterization and the Self-assembly Studies of Metal-Organic Materials and the Investigation on Applications Towards the Molecular Magnet and Water Oxidation

Current Designation & Organisation: Post Doctoral Associate, The Institute of Chemistry, The Hebrew University of Jerusalem

2017

Winner

Name: Dr. J Haribabu

Organisation/Institution when Awarded: National Institute of Technology, Trichy

Research Supervisor: Dr. R Karvembu

Topic for which Awarded: Unprecedented Formation of Pd(II) - Pyrazole Based Thiourea Complexes from Chromone Thiosemicarbazone and $[\text{PdCl}_2(\text{PPh}_3)_2]$: Complexes Induced Apoptosis Through Mitochondrial Signalling Pathway and G0/G1 Cell Cycle Arrest in HepG2 Cells

Topic of Research: DNA/Protein Binding and Anticancer Activity of Ni(II) , Pd(II) and Ru(II) Complexes Bearing Heterocyclic Thiosemicarbazone Ligands

Current Designation & Organisation: JSPS Postdoctoral Fellowship at Tokyo University of Science, Japan



2017

Runner-up – I

Name: Dr. Dasari Venkatakrishnarao**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. Rajadurai Chandrasekar**Topic for which Awarded:** Linear and Non-Linear Single Particle Organic Optical μ -Resonance: Syntheses, Self-Assembly and Enhancement Studies**Topic of Research:** Linear and Non-Linear Single Particle Organic Optical μ -Resonators: Syntheses, Self-Assembly and Enhancement Studies**Current Designation & Organisation:** Research Fellow at National University of Singapore, Singapore

Runner-up – II

Name: Dr. Jana Poorna Bindu**Organisation/Institution when Awarded:** ICAR – Central Tobacco Research Institute, Rajahmundry, Andhra Pradesh**Research Supervisor:** Dr. P Santhy**Topic for which Awarded:** Effect of Organic and Inorganic Soil Amendments on Dynamics of Nitrogen and Potassium in Light Textured Alfisol**Topic of Research:** Evaluation of Tobacco Stalks Biochar (TS Biochar) as an Amendment for Light Textured Alfisols**Current Designation & Organisation:** Scientist, Division of Crop Chemistry and Soil Science, ICAR-Central Tobacco Research Institute, Rajahmundry

Runner-up – II

Name: Dr. P. Naresh Kumar**Organisation/Institution when Awarded:** Indian Institute of Technology, Hyderabad, Telangana**Research Supervisor:** Dr. Melepurath Deepa**Topic for which Awarded:** Larger Area Quantum Dot Solar Cells with Improved Efficiency by Carbonate Buffering Layer**Topic of Research:** Metal Nanostructure in Photo Anodes and Counter Electrodes for Cadmium Sulfide Based Quantum Dot Solar Cells**Current Designation & Organisation:** Postdoctoral Researcher, Hebrew University, Israel

2018



Winner

Name: Dr. Sathya Ramalingam

Organisation/Institution when Awarded: CSIR-Central Leather Research Institute, Adyar, Chennai, Tamilnadu

Research Supervisor: Dr. J Raghava Rao

Topic for which Awarded: Sustainable, Auxiliaries-free Leather Dyeing Process using Fabricated Dyes

Topic of Research: Studies on Development of Nano Feel Modifiers and Their Evaluation in Leather Making

Current Designation & Organisation: CSIR-Research Associate, Indian Institute of Technology-Madras, Chennai



Runner-up - I

Name: Ms. S Manasa

Organisation/Institution when Awarded: International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Balapur, Hyderabad, Telangana

Research Supervisor: Dr. R Subasri

Topic for which Awarded: Sol-Gel Derived, Smart, Self-Healing Coatings for Corrosion Protection of Aluminum Alloy A356.0

Topic of Research: Nanoclay Based, Self-Healing Corrosion Protection Coatings on Aluminium Alloys A356.0 and AA2024-T4

Current Designation & Organisation: Senior Research Fellow, ARCI, Hyderabad



Runner-up – II

Name: Dr. P Srujana

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad, Telangana

Research Supervisor: Prof. T. P. Radhakrishnan

Topic for which Awarded: Synthesis of Novel Fluorescent Molecular Materials: Functional Phase Change Materials and Effect of Oriented Assembly on Solid State Emission Enhancement

Topic of Research: Synthesis of Novel Fluorescent Molecular Materials: Functional Phase Change Materials and Effect of Oriented Assembly on Solid State Emission Enhancement

2018

Runner-up – II

Name: Dr. P Manjunathan

Organisation/Institution when Awarded: Poornaprajna Institute of Scientific Research, Bangalore, Karnataka

Research Supervisor: Dr. Ganapati V Shanbhag

Topic for which Awarded: Mesoporous Tin Oxide: An Efficient Catalyst with Versatile Applications in Acid and Oxidation Catalysis

Topic of Research: Designing Heterogeneous Catalysis for the Conversion of Glycerol and Furfuryl Alcohol into Value-added Chemicals

Current Designation & Organisation: Postdoctoral Research Associate, Poornaprajna Institute of Scientific Research, Bangalore



2019

Winner

Name: Dr. Sneha Paul

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad

Research Supervisor: Prof. Anunay Samanta

Topic for which Awarded: Targeting G-Quadruplex DNA with Small Molecules: Towards Development of Novel Anti-Cancer Strategies

Topic of Research: Photophysical Studies on Canonical and Non-Canonical DNA Structures

Current Designation & Organisation: Postdoctoral Researcher, Department of Chemistry, McGill University, Montreal, Canada



Runner-up – I

Name: Mr. Bakuru Vasudeva Rao

Organisation/Institution when awarded: Poornaprajna Institute of Scientific Research, Bangalore, Karnataka

Research Supervisor: Dr. Suresh Babu Kalidindi

Topic for which Awarded: Metal-Organic Frameworks (MOFs) and its Hybrids as Designable Catalysts for Selective Hydrogenation Reactions

Topic of Research: Metal-Organic Frameworks (MOFs) and its Hybrids as Designable Catalysts for Selective Hydrogenation Reactions

Current Designation & Organisation: Research Scholar, Poornaprajna Institute of Scientific Research, Bangalore



2019



Runner-up – II

Name: Dr. Katchala Nanaji

Organisation/Institution when Awarded: International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Hyderabad, Telangana

Research Supervisor: Dr. S Anandana

Topic for which Awarded: Robust, Environmentally Benign Synthesis of Nanoporous Graphene Sheets from Jute Stick Bio-waste for Ultrafast Supercapacitor Application

Topic of Research: Synthesis and Application of Porous Carbon Materials with Enhanced Electrochemical Properties for Energy Storage Devices: Supercapacitor and Li-ion Battery

Current Designation/ Organisation: Scientist B, ARCI, Hyderabad

2020

Winner

Name: Ms. Marilyn Eslance D Mello

Organisation/Institution when Awarded: Poornaprajna Institute of Science, Bangalore

Research Supervisor: Dr. Suresh Babu Kalidindi

Topic for Which Awarded: Design and Development of Metal-Organic Frameworks (MOFs) based Materials for Gas Sensing Application

Topic of Research: Design and Development of Metal -Organic Frameworks (MOFs) based Materials for Gas Sensing and Photocatalytic Applications

Current Designation/Organisation: Research Scholar, Poornaprajna Institute of Science, Bangalore



Runner-Up – I

Name: Mr. Krishnakanth Sada

Organisation/Institution when Awarded: Indian Institute of Science, Bangalore

Research Supervisor: Dr. Prabeer Barpanda

Topic for Which Awarded: Structural and Electrochemical Investigations of $A_2Mn_3O_7$ Class of Versatile Cathode Materials for Energy Storage.

Topic of Research: Layered $Na_2Mn_3O_7$ as a 3.1 V Insertion Material for Li-Ion Batteries

Current Designation/Organisation: Research Scholar, Indian Institute of Science, Bangalore



2020

Runner-Up - II**Name:** Ms. Ankita Kolay**Organisation/Institution when Awarded:** Indian Institute of Technology, Hyderabad, Telangana**Research Supervisor:** Prof. M Deepa**Topic for Which Awarded:** A Dual-Fnction Photoelectrochemical Solar Cell which Assimilates Light-harvesting, Charge Transport and Photoelectrochromic Nanomaterials in a Tandem Design**Topic of Research:** A Dual-Fnction Photoelectrochemical Solar Cell which Assimilates Light-harvesting, Charge Transport and Photoelectrochromic Nanomaterials in a Tandem Design**Current Designation & Organisation:** Research Scholar, Indian Institute of Technology, Hyderabad, Telangana

TAMASOMA JYOTHIRGAMAYA
FRIENDSHIP WITH SCIENCE