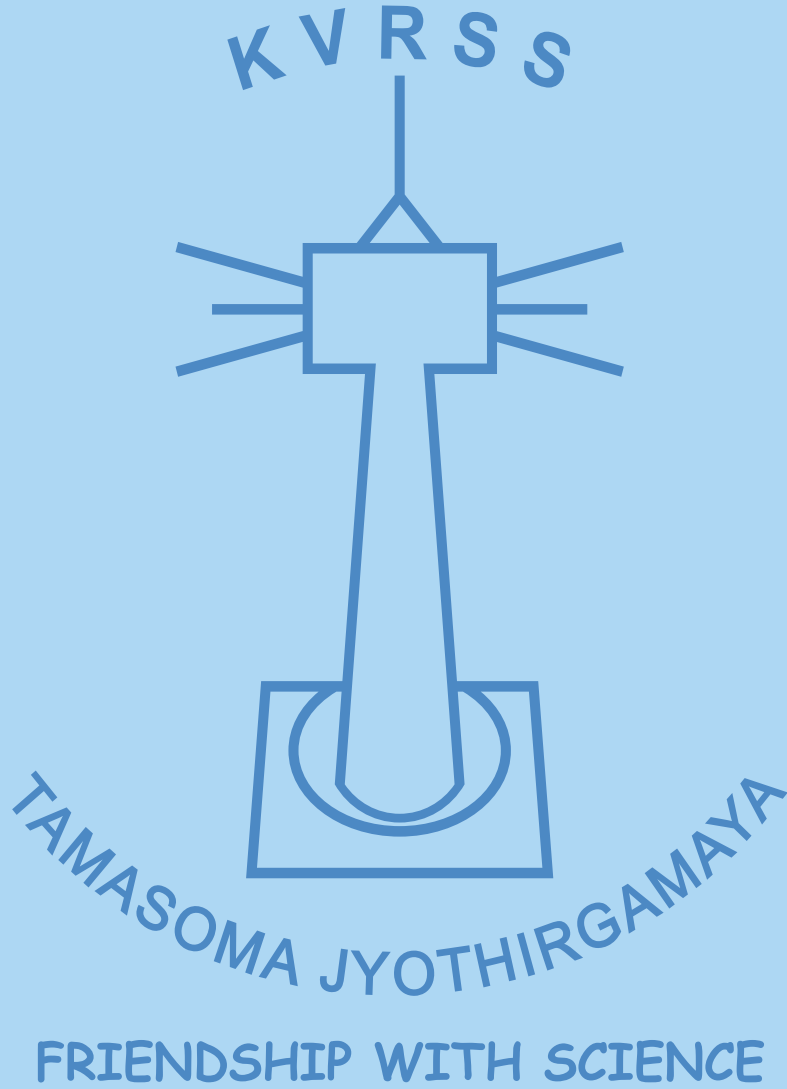


Vimshati



KVRSS Celebrates 20 Years



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FRIENDSHIP WITH SCIENCE

President's Message

This commemorative volume celebrates the 20 years of Dr K V Rao Scientific Society - set up in the memory of Dr K V Rao by his family, friends and admirers. The Society has a very simple mission, aptly described by its motto, **'Friendship with Science'**. Led by Dr Ratna Sastry, assisted by a very small, highly motivated team, the Society has done yeomen service to this vital, but inadequately addressed cause of popularisation of science.

It has been a long and fruitful journey - starting with just one activity, the Research award in Chemistry- the Society now awards three research scholarships in each of four disciplines to budding scientists engaged in doctoral / post-doctoral work. At a very early stage, the Society recognised the importance of attracting bright young minds to science and introduced a number of activities for school children - selection of students for School Science Talent awards, Interschool Science Quiz competition, a Science Fair that evolved into the 'SPARK Innovation' Contest, numerous events like lectures by eminent scientists, visits to scientific institutions like IICT, CCMB, TIFR, special events like mathematics quiz contests, public speaking and debating lessons, demonstration of scientific principles through simple 'toys' and experiments that can be done by children at home etc. From covering just the city of Hyderabad, the Society is now active in all the five southern states. The Society also acquired a 'home' – the former residence of Dr KV Rao, which has been converted into a full-fledged Science & Hobby Centre – with labs dedicated for physics, chemistry, biology, mathematics, a well-equipped library and computer facilities and a meeting hall with high-end audio-visual facilities.

However, by far, the most important achievement has been the 'KVRSS Family' the huge number of students who have participated in the various programmes of the Society – over 25,000 have participated - many of whom have pursued a career in science and are now occupying important positions in some of the most prestigious scientific institutions in the world. We would like to believe that the interlude with KVRSS has in some way, how-so-ever small, contributed towards their decision to pursue their interest in science. Along with a very comprehensive web-site, the Society has also set up an e-Directory of KVRSS scholars – awardees and participants in various activities of Society - which we hope, will eventually become a site where young school students and research scholars can interact with each other and even get mentored by the more senior and accomplished brethren of KVRSS who are now conducting research in important scientific establishments around the world.

The Science Centre was just beginning to become functional as a lab for schools without such facilities and also as a hobby centre for children in the neighbourhood when the pandemic struck. This has forced us to go virtual - upgrade our existing computer lab and now we are able to conduct interviews, and even competitions on line.

Going forward, among other things, we would like to expand the geographical spread of our activities to cover the entire country, further develop the SPARK Innovation contest by providing support to winners to conduct further research, to develop working prototypes or even commercial products from their projects. We look forward to suggestions from our KVRSS family and the general public on how we can continue to contribute to society in our endeavour to channelize the best talents of the country towards the pure sciences.

And last, but not least, we need to remember the words of Sir Isaac Newton, who had said science develops '**standing upon the shoulders of giants**'. KVRSS too has developed over the years on the strength of guidance and advice of our former President, Vice-President and Committee members, many of whom were themselves eminent scientists and colleagues of Dr K V Rao. The Society has also benefitted immensely from the senior scientists who volunteered to judge our competitions and it is their reputation and impartial judging of competitions that has added prestige to the KVRSS awards, that are proudly mentioned in the CVs of our Young Scientist awardees. The Society has also been receiving the support of national level organisations like CCMB, IICT, TIFR, IITs, Universities, etc., many of whose Directors/VCs have come to our annual functions to deliver the Annual Dr K V Rao Memorial Oration. Finally, I must acknowledge the contribution of close family members and friends of Dr K V Rao who have funded most of the activities of the Society. It is only during the last few years that the Society started accepting donations from outside. We do hope that in the years to come, we will also be supported by scientific institutions and philanthropic individuals and organisations to make our dreams come true.

Mr. Anil Kumar Kutty



Vice-President's Message

As we celebrate twenty years of Dr. K. V. Rao Scientific Society formation – it is time to reflect on our journey so far and set our vision for the future.

We have a rich pool of talented and accomplished scientists in leading research labs, universities and organizations working across the globe who have won the Dr KVRSS research awards over the last 20 years.

From a humble beginning of one research award in Chemistry in first year to multiple awards in four disciplines of Science we have a rich pool of talented and accomplished scientists in leading research labs, universities and organizations working across the globe.

We strongly encourage all award winners and participants in our various programs to reach out to us to stay connected to one common purpose, that is, to promote science!

Look forward to interacting with the rich talent pool to enhance our endeavors to promote science. A few areas of collaborative efforts could be - mentoring upcoming scientists, guest lectures/webinars on advanced topics, direct participation on voluntary basis to the promotion of science. At an appropriate time, we could even have online seminars on specific scientific topics of interest.

Such a collaborative approach would encourage and motivate the next generation of younger scientists.

We had ambitious plans for a mobile laboratory this year which was impacted by Government clearances and subsequently the pandemic. Science promotion in schools is by way of quizzes, exhibitions, SPARK innovation program where we identify and encourage innovation in school children.

The pandemic has thrown a challenge and an opportunity. Though we conducted our programs online this year we hope to address the challenge of reach, coverage of schools and bridge the digital divide both in urban and rural areas. The digital divide between the urban and rural areas needs to be bridged. We invite suggestions and contributions to increase the outreach to school children.

Over the years the number of participants has grown and currently we get over 100 papers annually! Increasing the geographical coverage and adding more interdisciplinary streams would make it more challenging. So far, we have been managing with funds from the society resources but eventually we would encourage funding from organizations which are committed to promotion science

We rededicate ourselves to vision of Dr. K. V. Rao and we wish to reiterate our commitment to promote Science in the years to come and we shall engage with young minds in schools, leading research labs and universities in more open collaborative manner leveraging technology.

We look forward to your involvement in the activities of the society.

Mr. K. Ramamurthy

Secretary's Message

Welcome to Dr. K. V. Rao Scientific Society!!!

A journey of 20 years. A vision and an on-going mission of promoting and popularizing science. Looking back, the journey had been very satisfying. One in which we had the opportunity to meet a number of eminent scientists, educationists, enthusiastic young researchers on the verge of starting their careers and eager school children waiting to be mentored.

However, the meeting young and fertile brains over the years has been as exciting as it was in the initial years. Talent needs to be spotted, recognised and nurtured. At KVRSS, we began our journey with recognizing and rewarding the talent and now we have moved into the next phase of nurturing.

Starting with a single event of presenting one Research award to a young scientist in just one subject, the Society steadily increased the number of events to encompass all the basic sciences, not only at research level but also moved down to school level. Realizing the need to encourage the students at a young age, KVRSS initiated many events over the years for school students.

Starting with one state, the erst while Andhra Pradesh, KVRSS now conducts its activities in all the southern states of India and is now ready to expand its activities pan India.

This book is an effort to present information about all awardees from 2001 till date. We have tried to get in touch with as many awardees as possible to get an update about their career. The content will be put on our website and we urge our awardees to come forward and keep updating their current profiles to enable us to maintain our data.

The journey was ably supported by eminent scientists, educationists, teachers and our awardees, without whom our effort would not have been possible. Over the years we have received institutional support and now we are looking at corporate support to make KVRSS an institution where students can get new opportunities in science.

At this juncture in our journey we wish to thank all who have been part of this journey. First and foremost we wish express our heartfelt thanks our founder members, Dr. B. V. S. R. Murty (Past President), Late Prof. T. Sundararamaiah (Past Vice-President) and Late Dr. K. J. R. Murthy (Past Secretary) for helping us begin the journey and give us direction from time to time and lead in the chosen path.

Our executive committee members have always been a source of strength for all the activities of KVRSS and their support is immensely valued.

Our sincere thanks to all the eminent scientists who presented the Memorial orations, and not only encouraged the students but also enriched their knowledge with their talks.

Our judges have been the backbone of all our activities and without them it would not have been possible to conduct any activity. Many senior scientists, our research awardees, teachers, quiz masters and many academicians have contributed to the successful conduct of the activities and selecting the best brains for awards. We wish to express our thanks and look forward to many more of such interactions.

Our thanks all the academic institutions and research institutions for their support both in terms of participation and association, which has given credibility to our awards. It gives us great pride when the institutions call on us to conduct our events at their premises and provide all possible support in the successful conduct of the events.

Our thanks to all the students who have reposed faith in our selection process and participated and keep participating in our activities. Particular thanks to all our research awardees, who are well placed in various organisations across the globe, have become our resource pool through support and volunteering in our activities.

KVRSS has run on support from close family members for 15 years. The hard work paid off with support from various quarters in the last five years. We wish to thank all our donors, who supported in different ways: monetary and/or in kind, collaborations, associations and partnerships through individuals, corporates, funding agencies, government agencies, institutions and support services.

The media has given its share of support through articles and coverage of events and we wish to acknowledge them.

Of course, our team, who actually put in the day-to-day hard work to make all events successful, deserve the most applause.

The present pandemic has actually been an idea changer and has given an opportunity to KVRSS to think new ways of taking forward its activities and extending its reach further.

We thank one and all who have been part of this journey of 20 years and look forward to a more exciting and meaningful journey ahead.

Dr. K. Ratna

FRIENDSHIP WITH SCIENCE



Memorial Oration Awards

- ◆ Started in 2001
- ◆ Eminent Scientists at Director / Vice Chancellor level present the Oration at the Annual Awards function



2001

Name: Prof. K Subba Rao

Designation: Head of Biochemistry Department, School of Life Sciences, University of Hyderabad, Hyderabad, Telangana

Oration Topic: The Chemistry and Molecular Biology of Aging

Quote: “Very Good Meeting and a Noble Venture by Children of Dr. K V Rao. Science must be grown scientifically otherwise it is not Science.”



2002

Name: Dr. Seyed E Hasnain

Designation: Director, Centre for DNA Fingerprinting and Diagnostics, Hyderabad, Telangana

Oration Topic: GM Foods – Promises and Perils

Quote: “I am honored to be associated with a function to commemorate the memory of a great chemist. My compliments to the Dr K V Rao Scientific Society for starting this effort to recognize our future leaders in Chemistry.”



2003

Name: Dr. K V Raghavan

Designation: Director, Indian Institute of Chemical Technology, Hyderabad, Telangana

Oration Topic: Modern Scientific Endeavours - New Socioeconomic Benchmarks

Quote: “Privileged to deliver Dr. K.V. Rao Memorial Oration – 2003 in the presence of very distinguished Scientists and Guests”



2004



Name: Dr. K P C Gandhi

Designation: Director, Andhra Pradesh Forensic Science Laboratory, Hyderabad, Telangana

Oration Topic: Role of Science in Upholding Truth and Justice

Quote: "Excellent Work being done by the Society. Please concentrate on science with Human values through Debate and Essay Competitions for building National Character, which Society like this can only take up."

2005



Name: Padma Shri Dr. Gullapalli N Rao

Designation: Distinguished Chair of Eye Health, L.V. Prasad Eye Hospital, Hyderabad, Telangana

Oration Topic: Health Research to Health Care

Quote: "A great Idea to Stimulate Young Minds and encourage Young Talent. Congratulations on this effort"

2006



Name: Dr. Indiranath

Designation: Member, Scientific Advisory Committee to Cabinet, Director, Blue Peter Research Centre, Hyderabad, Telangana

Oration Topic: Pursuit of Science - From Laboratory to Society

Quote: "Wonderful Service to Science in recognising young talent and encouraging them to do even better in future"

2007

Name: Dr. B Sesikera**Designation:** Director, National Institute of Nutrition, Hyderabad, Telangana**Oration Topic:** Life Style and Disease**Quote:** "I am thankful to the Society who are doing wonderful service to Science and Scientific Talent in this part of the Country. This is the best way to honour a great scientist like Dr. K V Rao"

2008

Name: Prof. P Rama Rao**Designation:** Former Secretary, Department of Science & Technology, Government of India, Hyderabad, Telangana**Oration Topic:** Promoting Science & Technology in India – Evolution of Institutions and Mechanism**Quote:** "It was a wonderful experience for one to be at the Dr. K V Rao Scientific Society Award function and see the great work being done by Dr. Sastry, Dr. Ratna and their colleagues in promoting interest in Science, which is the need of the hour"

2009

Name: Padma Shri Dr. Lalji Singh**Designation:** Director, Centre for Cellular & Molecular Biology, Hyderabad, Telangana**Oration Topic:** Mystery of Our Origins**Quote:** "I Congratulate Dr. K V Rao Scientific Society for their fantastic efforts to promote science by catching children and young scientists and encouraging them by giving public awards and nurturing the talent. My hearty Congratulations to the Society and its office bearers"

2010



Name: Dr. Mustansir Barma

Designation: Director, Tata Institute of Fundamental Research, Mumbai

Oration Topic: Random Walk in Science

Quote: “Dr. K V Rao enunciated a vision of facilitating propagation of scientific temper among young students. In the past decade, the Dr. K V Rao Scientific Society continued and indeed expanded Dr. Rao's original effort. My heartiest Congratulations to them for encouraging young students, thus helping the cause of science in India”

2011



Name: Dr. J S Yadav

Designation: Director, Indian Institute of Chemical Technology, Hyderabad

Oration Topic: Chemistry in the Service of Mankind

Quote: “Excellent Programme. I am glad to attend speech of Dr. A K Susheela's lecture. Dr. K V Rao Scientific Society is doing excellent job to bring awareness about science and promoting students to take science as a career. Maybe we should think of awarding best science teacher award in future”

2012



Name: Dr. E Bhagiratha Rao

Designation: DSc, n. dc. a Fellow of the AP Academy of Science and former Director Defence Electronics Research Laboratory, Hyderabad

Oration Topic: Satellite Launch Vehicles and Space Station

Quote: "It was a great pleasure to meet so many dedicated persons who are serving the cause of science. It was also a great pleasure to meet so many young achievers”

2013

Name: Prof. Ramakrishna Ramaswamy

Designation: Vice Chancellor, University of Hyderabad, Hyderabad, Telangana

Oration Topic: Chaos & Uncertainty

Quote: "Superb Job and very necessary. A Great Example to follow"



2014

Name: Prof. Uday B Desai

Designation: Director, Indian Institute of Technology, Hyderabad, Telangana

Oration Topic: Innovations in Science & Technology

Quote: "K V Rao Scientific Society is doing a great job of inculcating the spirit of scientific inquiry among youngsters. My very best wishes"



2015

Name: Dr. Sourav Pal

Designation: Director, National Chemical Laboratory, Pune, Maharashtra

Oration Topic: Cross-disciplinary approach to Science

Quote: "An excellent program and a great honour to give the oration of the Society. It was a great experience to address all interact with the enthusiastic members of the Society"



2016



Name: Dr. A. Ajayaghosh

Designation: Director, CSIR – National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, Kerala

Oration Topic: Science and Technology: Empowering People and Nation

Quote: “It was great pleasure and honour to be part of the Dr. K V Rao Scientific Society Meeting. I Congratulate the Society for the interest and effort taken in promotion of science among children and scientists. Wish KVRSS all success”

2017



Name: Dr. D K Aswal

Designation: Director, CSIR - National Physical Laboratory, New Delhi, India

Oration Topic: Noise Pollution

Quote: “Wonderful work is being done by KVRSS to generate scientific temper amongst young minds and I wish they will go a long way. Wishing all the best wishes”

2018



Name: Dr. Anurag Kumar

Designation: Director, Indian Institute of Science, Bangalore, Karnataka

Oration Topic: The Internet of Things: Technology and Prospects

Quote: “I really enjoyed my visit and the interactions with the organizers and the awardees. This is a remarkable initiative towards encouraging young people for getting into science and technology. May you all serve many many successful years ahead”

2019

Name: Dr. B N Suresh**Designation:** Chancellor, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala**Oration Topic:** Role of Science and Technology for Betterment of Society

Quote: "I consider it a great privilege to be here with you on such an important occasion of Dr. K V Rao Scientific Society Annual Awards Function KVRSS has been promoting science and technology and particularly with the school and college children as the targets, organising science quizzes and many activities and this is what is needed presently where science and technology promotion has taken a back seat in the country "



2020

Name: Prof. Mannepalli Lakshmi Kantam**Designation:** Dr. B.P. Godrej Distinguished Professor of Green Chemistry, Department of Chemical Engineering, Institute of Chemical Technology, Mumbai**Oration Topic:** Design and Development of Catalysts for Green and Economical Processes & Technologies for Chemical Industry.

TAMASOMA JYOTHIRGAMAYA
FRIENDSHIP WITH SCIENCE



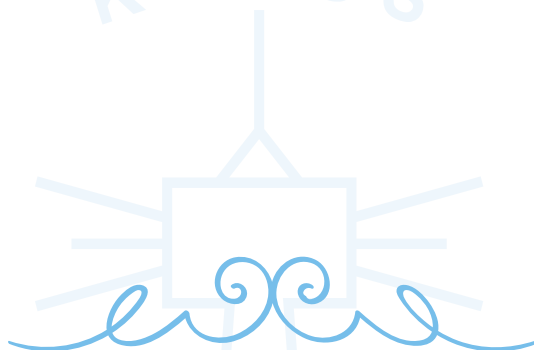


Research Awards

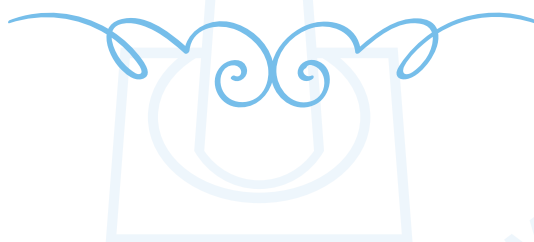
- ◆ Started in 2001 for the State of Andhra Pradesh
- ◆ Now applicable to Telangana, Andhra Pradesh, Tamil Nadu, Karnataka and Kerala
- ◆ For Research Scholars and Doctorates below 30 years of age
- ◆ Given the fields of Chemistry, Physics, Biology and Mathematics
- ◆ The paper for presentation should be part of PhD work



K V R S S



Chemistry



TAMASOMA JYOTHIRGAMAYA

FRIENDSHIP WITH SCIENCE



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



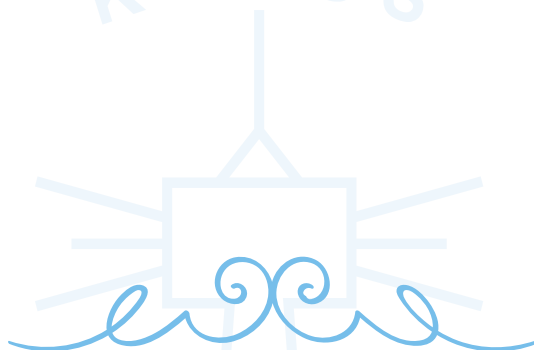
2020

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

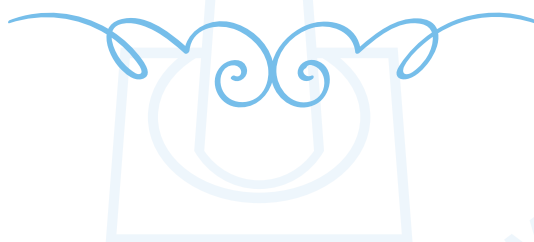
TAMASOMA JYOTHIRGAMAYA
FRIENDSHIP WITH SCIENCE



K V R S S



Physics



TAMASOMA JYOTHIRGAMAYA

FRIENDSHIP WITH SCIENCE



2006

Winner**Name:** Dr. T. Goverdhan Reddy**Organisation/Institution when Awarded:** Osmania University, Hyderabad, Telangana**Research Supervisor:** Dr. K Rama Reddy**Topic for which Awarded:** Study of the Spin and lattice Polaron Dynamics in CMR Manganites**Topic of Research:** Study on Spin and Lattice Polaron Dynamics in CMR Manganites**Current Designation & Organisation:** Assistant Professor, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur**Runner-up – I****Name:** Dr. N Ajeetha**Organisation/Institution when Awarded:** Acharya N G Ranga Agricultural University**Research Supervisor :** Prof. V.G.K.M. Pisipati**Topic for which Awarded:** Liquid Crystals Influence of Oxygen and Phase Behaviour of Benzyldiene Anilines**Current Designation & Organisation:** Professor, Department of Physics, CIPET, Chennai**Runner-up – II****Name:** Dr. K Prabhakar**Organisation/Institution when Awarded:** Osmania University, Hyderabad, Telangana**Research Supervisor:** Prof. S P Mallikarjun Rao**Topic for which Awarded:** AC Fatigue Studies on PZT Ceramics Using Acoustic Emission**Topic of Research:****Current Designation & Organisation:** Scientist, Material Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam

2007



Winner

Name: Dr. M Raghavendar

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

Research Supervisor: Dr. G Prasad

Topic for which Awarded: Modification of Dielectric Relaxations in Sodium Bismuth Titanate with Samarium Doping

Topic of Research: Effect of Rare Earth Ion Substitution at A-site in NBT on Electrical and Electromechanical Properties

Current Designation & Organisation: Assistant Professor, Department of Physics, Yogi Vemana University, Kadapa, Andhra Pradesh



Runner-up – I

Name: Dr. G Venkataiah

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

Research Supervisor: Prof. P Venugopal Reddy

Topic for which Awarded: Structural, Magnetic and Electrical Behaviour of Some Manganite based CMR Materials

Topic of Research: Condensed Matter Physics

Current Designation & Organisation: Assistant Professor, School of Physics, University of Hyderabad, Hyderabad



Runner-up – II

Name: Dr. N Venkatram

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

Research Supervisor: Prof. D Narayana Rao

Topic for which Awarded: Non-linear Absorption and Scattering Properties of Cadmium Sulphide Nanocrystals with its Application as a Potential Optical Limiter

Topic of Research: Study of Nonlinear Absorption Properties of II-VI Semiconductor (CdS, CdSe), Metal (Au) and Zinc (II)-Phthalocyanine Nanoparticles with Nano Second and Femtosecond Laser Excitation

Current Designation & Organisation: Senior Research Fellow, CDPT, Nanyang Technological University, Singapore

2008

Winner

Name: Dr. R. Sai Santhosh Kumar

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

Research Supervisor: Prof. D Narayana Rao

Topic for which Awarded: Broadband Supercontinuum Generation in a Single Potassium Di-hydrogen Phosphate (KDP) Crystal Achieved in Tandem with Sum Frequency Generation

Topic of Research: Supercontinuum Generation, Surface Four-wave Mixing and Multiphoton Absorption in Optically Transparent Media with a Femtosecond Laser Pulse Excitation

Current Designation & Organisation: Assistant Professor, Department of Physics, Indian Institute of Technology, Hyderabad



Runner-up – I

Name: Dr. P. Sarita

Organisation/Institution when Awarded: GITAM Institute of Technology, Visakhapatnam, Andhra Pradesh

Research Supervisor: Prof. S Bhuloka Reddy

Topic for which Awarded: PIXE Analysis - A Novel Diagnosis and Prognostic Approach to Cancer of the Uterine Cervix

Topic of Research: PIXE Analysis of Blood Sera of Cancer Patients

Current Designation & Organisation: Assistant Professor, Department of Physics, GITAM Institute of Technology, Visakhapatnam



2009

Winner

Name: Dr. Barilong Mawlong

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

Research Supervisor: Dr. Rukmani Mohanta

Topic for which Awarded: Probing New Physics In B - Fo (980) K Decays

Topic of Research: Some Aspects of Rare β Decays and CP Violation

Current Designation & Organisation: Assistant Professor, School of Physics, University of Hyderabad, Hyderabad



2009



Runner-up – I

Name: Dr. B Maruthi Manoj

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

Research Supervisor: D Narayana Rao

Topic for which Awarded: Nano Displacement Measurement Using Spectral Shifts in a White-light Interferometer

Topic of Research: Study of Spectral Shifts and Spectral Switches Around Phase Singularities Using Spectral Interferometry and Their Applications

Current Designation & Organisation: Assistant Professor, Department of Physics, IIT Kharagpur



Runner-up – II

Name: Dr. G Padmaja

Organisation/Institution when Awarded: Osmania University, Hyderabad

Research Supervisor: Prof. P Kishtiaiah

Topic for which Awarded: Optical Absorption Studies on Mixed Alkali Borate Glasses

Topic of Research: Spectroscopic Studies of Mn^{2+} and Fe^{3+} Ions in Some Quaternary Alkali Borate Glasses: An Evidence of Mixed Alkali Effect

Current Designation & Organisation: Assistant Professor, University College, Kakatiya University, Warangal



Special Out-Station Award

Name: Dr. Kanike Raghavendra Kumar

Organisation/Institution when Awarded: Sri Krishna Devaraya University, Anantapur

Research Supervisor: Prof. R Ramakrishna Reddy

Topic for which Awarded: Optical, Physical and Radiative Properties of Aerosols In A Semi-Arid Region, Anantapur

Topic of Research: Experimental Studies on Characterisation of Atmospheric Aerosols Using in Situ and Remote Sensing Techniques

Current Designation & Organisation: Associate Professor, Department of Physics, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur

2010

Winner**Name:** Dr. K L N Deepak**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. D Narayana Rao**Topic for which Awarded:** Fabrication and Optical Characterization of Microstructures in PMMA and PDMS using Femtosecond Pulses for Photonic and Micro Fluidic Applications**Topic of Research:** Laser Irradiation Effects in Polymers, Lithium Niobate Crystal and Applications in Photonics**Current Designation & Organisation:** Research Associate and Visitor, University of Ottawa and National Research Council Canada, Ottawa. Founder, Grey Slide Imaging Inc., Ottawa, Canada**Runner-up – I****Name:** Dr. Kalyana Lakshmi**Organisation/Institution when Awarded:** Osmania University, Hyderabad, Telangana**Research Supervisor:** Prof. P Venugopal Reddy**Topic for which Awarded:** Electrical and Magnetic Behaviour of Some Monovalent Doped CMR Materials**Topic of Research:** Electrical and Magnetic Behaviour of Some Monovalent Doped CMR Materials**Current Designation & Organisation:** Assistant Professor, Department of Physics, Nizam College, Hyderabad**Runner-up – II****Name:** Dr. M Anil Kumar**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Dr. Suneel Singh**Topic for which Awarded:** Electromagnetically Induced Transparency and Slow Light in a Three Level System**Topic of Research:** Electromagnetically Induced Transparency and Slow Light in a Three Level System**Current Designation & Organisation:** Research Associate, Raman Research Institute, Bangalore



Winner

Name: Dr. Rajeswari Mulakalapalli

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

Research Supervisor: Prof. V.S.S. Sastry

Topic for which Awarded: Detection of Ultra-slow Processes through NMR Relaxometry: Application to Liquid Crystals

Topic of Research: Studies on Molecular Processes in Anisotropic Fluids Employing Nuclear Spin Relaxation Methods

Current Designation & Organisation: Software Test Engineer, Brainbox Consulting BV, Eindhoven Area, Netherlands



Runner-up – I

Name: Dr. Ch. Bheema Lingam

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad

Research Supervisor: Prof. Surya P. Tewari

Topic for which Awarded: Structural, Electronic, Bonding, and Elastic Properties of NH_3BH_3 : A Density Functional Study

Topic of Research: Electronic Structure and Bonding Properties of Hydrogen Storage Materials

Current Designation & Organisation: Research Professor, Dept. of Physics, University of Seoul, Seoul, South Korea



Runner-up – II

Name: Dr. S Jagadees Chandra

Organisation/Institution when Awarded: Sri Sathya Sai University, Puttaparthi

Research Supervisor: Dr. S Siva Sankara Sai

Topic for which Awarded: A Study of Photoinduced Anisotropy and Nonlinearity in Bacteriorhodopsin Thin Films and Curcumin

Topic of Research: Optical Power Limiting Properties of Bacteriorhodopsin and Curcumin Thin Films and its Application in Medical Diagnostics

Current Designation & Organisation: Business Development Manager (BDM), Carl Zeiss - SMT GmbH, Singapore

2011

Special Consolation Award**Name:** Dr. Rama Krishna Chava**Organisation/Institution when Awarded:** Acharaya Nagarjuna University**Research Supervisor:** Dr. R.V.S.S.N. Ravi Kumar**Topic for which Awarded:** Co(II) ion Doped Chlorocadmiumphosphate $\text{Cd}(\text{HPO}_4)\text{Cl} \cdot [\text{H}_3\text{N}(\text{CH}_2)_6\text{NH}_3]_{0.5}$ Crystals: A Novel Organically Templated Hybrid Open-Framework**Topic of Research:** Co(II) ion Doped Chlorocadmiumphosphate $\text{Cd}(\text{HPO}_4)\text{Cl} \cdot [\text{H}_3\text{N}(\text{CH}_2)_6\text{NH}_3]_{0.5}$ Crystals: A Novel Organically Templated Hybrid Open-Framework**Current Designation & Organisation:** Assistant Professor, Department of Chemistry, Yeungnam University, Gyeongsan, South Korea

2012

Winner**Name:** Dr. P Lakshmi Praveen**Organisation/Institution when Awarded:** Andhra Loyola College, Vijayawada, Andhra Pradesh**Research Supervisor:** Prof. Durga P Ojha**Topic for which Awarded:** Molecular Structure, Electronic Spectra and Ultraviolet Stability of Nematic Liquid Crystals: Effect of Solvent and Substituent**Topic of Research:** Phase Organization, Thermodynamic Stability and Absorption Spectra of Liquid Crystals: Theoretical Models at Molecular Level**Current Designation & Organisation:** Assistant Professor, Department of Physics, Veer Surendra Sai University of Technology, Odisha**Runner-up – I****Name:** Dr. K Ramesh Babu**Organisation/Institution when Awarded:** Advanced Centre of Research in High Energy Materials (ACRHEM), Hyderabad, Telangana**Research Supervisor:** Dr. G S Vaitheeswaran**Topic for which Awarded:** High Pressure Study of Materials for Green Energy Applications from First Principles Calculations**Topic of Research:** Ab Initio Study of Nitrogen based Solid Energetic Materials**Current Designation & Organisation:** Department of Physics and Center for Theoretical Physics, National Taiwan University, Taiwan

2012



Runner-up – II

Name: Dr. C Sujatha

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

Research Supervisor: Dr. K Venugopal Reddy

Topic for which Awarded: MgCuZn Nanoferrites for Multilayer Chip Inductors

Topic of Research: Mg substitute NiCuZn Nano Ferrites

Current Designation & Organisation: Assistant Professor, Department of Physics, IIIT Basar Campus, Nirmal Dist, Telangana

2013



Winner

Name: Dr. Sweta Rekha Ram

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

Research Supervisor: Dr. V Kanchana

Topic for which Awarded: Fermi Surface Studies of Intermetallic Compounds under Pressure: Ab-initio Study

Topic of Research: Fermi Surface Properties of Binary and Ternary Superconductors

Runner-up – I

Name: Dr. P Suresh

Organisation/Institution when Awarded: Sri Sathya Sai Institute of Higher Learning, Prasanthinilayam.

Research Supervisor: Prof. K Venkataramanaiah

Topic for which Awarded: ISAR Imaging of Moving Targets and Feature Extraction using Time-Frequency Methods

Topic of Research: ISAR Imaging of Moving Targets and Feature Extraction using Time-Frequency Methods

2013

Runner-up – II

Name: Dr. P Shankar

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

Research Supervisor: Dr. Nirmal K Viswanathan

Topic for which Awarded: Polarimetric Investigation of Surface Plasmon Resonance and Applications

Topic of Research: Studies on Spatial, Polarimetric and Topological Aspects of Surface Plasmonic Field

Current Designation & Organisation: Research Staff, Optoelectronics Research Centre, University of Southampton, UK



2014

Winner

Name: Dr. T Karthik

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

Research Supervisor: Dr. Saket Asthana

Topic for which Awarded: Evidence for the Suppression of Intermediate Antiferroelectric Ordering and Their Structure Property Correlation in Cobalt Substituted $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ Ceramics

Topic of Research: Structure-Property Correlation in Lead Free Ferro/Piezoelectric $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ Based System

Current Designation & Organisation: Scientist-C, Centre for Materials for Electronics Technology [C-MET], Ministry of Electronics & Information Technology, Government of India, Thrissur, Kerala.



Runner-up – I

Name: Dr. P Suresh

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad

Research Supervisor: Dr. S Srinath

Topic for which Awarded: Structural, Electrical, and Magnetic Properties of Pure and Rare Earth Doped BiFeO_3

Topic of Research: Structural Electrical and Magnetic Properties of Pure and Rare Earth Doped BiFeO_3

Current Designation & Organisation: Post Doctoral Research Fellow, Indian Institute of Science, Bangalore



2014



Runner-up – II

Name: Dr. M Pradyumn

Organisation/Institution when Awarded: Sri Sathya Sai Institute of Higher Learning

Research Supervisor: Prof. K. Venkataramaniah

Topic for which Awarded: Graphene as a Smart Spacer Material on Engineered Thin Film Hybrids for the Amplification of Surface Plasmon Coupled Emission Towards Sensing

Topic of Research: Graphene as a Smart Spacer Material on Engineered Thin Film Hybrid for the Amplification of Surface Plasmon Coupled Emission Towards Sensing

Current Designation & Organisation: Corporate Marketing Manager at Excelra, Hyderabad, Telangana

2015



Winner

Name: Dr. K Kamali

Organisation/Institution when Awarded: Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Tamil Nadu

Research Supervisor: Dr. T R Ravindran

Topic for which Awarded: Selective Soft Mode Frustration in $\text{KMn}(\text{Ag}(\text{CN})_2)_3$ Crystals Studied by Raman Spectroscopy and First-Principles Calculations

Topic of Research: High pressure Raman Spectroscopic Studies on Anomalous Thermal Expansion Materials

Current Designation & Organisation: Scientist CSIR-Institute of Minerals and Materials Technology, Bhubaneswar

Runner-up – I

Name: Dr. Ahin Roy

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

Research Supervisor: Prof. N Ravi Shankar

Topic for which Awarded: Intriguing Atomic Structure and Semiconductor Nanowire Equivalent Sensitivity of Ultrathin Gold Nanowires

Topic of Research: Investigations on Structural and Electronic Aspects of Ultrathin Metal Nanowires

Current Designation & Organisation: Research Fellow, School of Chemistry, University College Dublin, Ireland



2015

Runner-up – II

Name: Dr. Kuladeep Rajamudili

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

Research Supervisor: Prof. D Narayana Rao

Topic for which Awarded: Femtosecond Laser Micro/Nano Machining on Silicon Surface for Photonic Applications

Topic of Research: Ultrafast Laser Induced Periodic Sub-wavelength Structures on Semiconductors and Metals and its Applications in Photonics

Current Designation & Organisation: School of Aerospace, Transport and Manufacturing, Cranfield University, Bedford, UK



2016

Winner

Name: Dr. Vaddapally Rakesh Kumar

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

Research Supervisor: Dr. P Prem Kumar

Topic for which Awarded: Effect of Short Pulse Duration in Transparent Dielectrics: Understanding Water's Mysterious Behaviour

Topic of Research: Short Pulse Laser Induced Dynamics of Transparent Liquids

Current Designation & Organisation: Post Doctoral Fellow, Department of Nuclear & Atomic Physics, TIFR, Mumbai



Runner-up – I

Name: Dr. S Venkatesh

Organisation/Institution when Awarded: Sri Sathya Sai Institute of Higher Learning, Anantapur

Research Supervisor: Dr. R Sai Sathish

Topic for which Awarded: 1-Minute Cavity Engineering for >1000-fold Enhancements in Surface Plasmon-Coupled Emission: A Mobile Phone Based Next-Gen Plasmonics Approach

Topic of Research: Advancements towards Ultra-Sensitive Sensor Platform for Organic & Biomolecules Based on Neoteric Plasmonic & Electrochemical Techniques.

Current Designation & Organisation: Research Associate, Department of Bio-Sciences, Sri Sathya Sai Institute of Higher Learning, Anantapur



2016



Runner-up – II

Name: Dr. Subrata Ghosh

Organisation/Institution when Awarded: Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamilnadu

Research Supervisor: Dr. M Kamruddin

Topic for which Awarded: Vertical Graphene Nanosheets: A Promising Candidate for Supercapacitor Electrode

Topic of Research: Vertical Graphene Nanosheets: Growth, Structure and Electrochemical Performance

Current Designation & Organisation: Postdoctoral Research Associate, University of Manchester, UK

2017



Winner

Name: Dr. Subhadeep Pal

Organisation/Institution when Awarded: TIFR Centre for Interdisciplinary Sciences, Hyderabad, Telangana

Research Supervisor: Dr. T.N Narayanan

Topic for which Awarded: Fluorographene based Ammonia Sensor

Topic of Research: Fluorographene based Ammonia Sensor

Current Designation & Organisation: Postdoctoral Fellow at Weizmann Institute of Science, Israel

Runner-up – I

Name: Dr. K.G. Raghavendra

Organisation/Institution when Awarded: Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Tamil Nadu

Research Supervisor: Dr. Arup Dasgupta

Topic for which Awarded: Structural Investigations and Thermal Evolution of ZrO_2 Dispersoid Based ODS Alloys

Topic of Research: Synthesis and Characterization of ZrO_2 Dispersoid Based Fe Based ODS Alloys

Current Designation & Organisation: Post Doctoral Research Fellow, Université de Sherbrooke, Chemical and Biotechnological Department, Canada



2017

Runner-up – II

Name: Dr. Vanamali C Shastry

Organisation/Institution when Awarded: Mangalore University, Mangalore

Research Supervisor: Dr. K B Vijaya Kumar

Topic for which Awarded: Nucleon - Nucleon Interaction with Instanton Induced Interaction and One Pion Exchange

Topic of Research: Hadronic Spectrum, Decays and Hadron – Hadron Interaction

Current Designation & Organisation: Assistant Professor, Regional Institute of Education, Manasagangothri, Mysore



Runner-up – II

Name: Dr. N Raju

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

Research Supervisor: Prof. Yadagiri Reddy

Topic for which Awarded: Structural and Magnetic Studies of Hexaferrite based Magneto-electric Materials

Topic of Research: Studies on Hexaferrite Based Magneto-Electric Materials

Current Designation & Organisation: Assistant Professor, CMR College of Engineering & Technology, Hyderabad



2018

Winner

Name: Dr. Buddha Deka Boruah

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

Supervisor during Research: Prof Abha Mishra

Topic for which Awarded: Doping Controlled Pyro-phototronic Effect in Self-powered Zinc Oxide Photodetector for Enhancement of Photoresponse

Topic of Research: Electrochemical Properties of ZnCo_2O_4 for Radiation Sensitive Supercapacitor

Current Designation & Organisation: Post Doctoral Fellow, Department of Engineering, University of Cambridge, UK



2018



Runner-up – I

Name: Dr. Raktima Basu

Organisation/Institution when Awarded: Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu.

Research Supervisor: Dr. Sandip Dhara

Topic for which Awarded: Origin of Phase Transition in VO and its Application as 2 Advanced Smart Window

Topic of Research: Phase Transition in Vanadium Oxides and its Optoelectronic Applications

Current Designation & Organisation: Senior Research Scholar, Indian Gandhi Centre for Atomic Research, Kalpakkam



Runner-up – II

Name: Dr. Abhishek Talapatra

Organisation/Institution when Awarded: Indian Institute of Technology Hyderabad

Research Supervisor: Dr. Jyoti Ranjan Mohanty

Topic for which Awarded: Tuneable Magnetic Domains and Depth-resolved Microstructure in Gd-Fe Thin Films

Topic of Research: Creation and Modification of Perpendicular Magnetic Anisotropy in Thin Films and Multilayer for Possible Applications

Current Designation & Organisation: Post-Doctoral Research Fellow, National University of Singapore



Runner-up – II

Name: Dr. Rafiq Mulla

Organisation/Institution when Awarded: Karnataka University, Dharwad

Research Supervisor: Prof. M K Rabinal

Topic for which Awarded: Copper Iodide: An Eco-friendly Thermoelectric Material

Topic of Research: Development of Nanostructure Based Thermoelectric Materials for Energy Conversion

Current Designation & Organisation: Post-Doctoral Research Associate, Swansea University, UK

2019

Winner**Name:** Dr. Atasi Dan**Organisation/Institution when Awarded:** Indian Institute of Science, Bangalore, Karnataka**Research Supervisor:** Prof. Bikramjit Basu**Topic for which Awarded:** Spectrally Selective Tandem Absorbers for Photothermal Conversion in High Temperature Solar Thermal Systems**Current Designation & Organisation:** Research Associate, Material Research Centre, IISc, Bangalore**Runner-up – I****Name:** Dr. Kannan Udaya Mohanan**Organisation/Institution when Awarded:** Indian Institute of Technology, Hyderabad**Research Supervisor:** Dr. J Suryanarayana**Topic for which Awarded:** Magnetostrictive $\text{Fe}_{73}\text{Ga}_{27}$ Nanocontacts for Low-Field Conductance Switching**Topic of Research:** Magnetic Field Control of Charge Transport in Mechanically Controlled Break Junction Devices and Solar Cells**Current Designation & Organisation:** Senior Project Scientist, Nanoscale Research Facility, IIT Delhi**Runner-up – II****Name:** Mr. Abdul Kalam S**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. Soma Venugopal Rao**Topic for which Awarded:** Identification and Classification of Explosives Using Femtosecond Laser Induced Breakdown Spectroscopic Technique at Standoff Distances**Current Designation & Organisation:** Postdoctoral Fellow, University of Mississippi, USA



Winner

Name: Mr. Sukanta Nandi

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

Research Supervisor: Prof. Abha Misra

Topic for Which Awarded: Spray Coating of Two-Dimensional Suspended Film of Vanadium Oxide-Coated Carbon Nanotubes for Fabrication of a Large Volume Infrared Bolometer

Topic of Research: Engineering Light-Matter Interaction in Carbon Nanotubes for High Performing Optical Micro-Devices

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



Runner-up – I

Name: Mr. Surojit Ranoo

Organisation/Institution when Awarded: Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu.

Research Supervisor: Prof. John Philip

Topic for Which Awarded: Enhancement of Heating Efficiency in Magnetic Hyperthermia Based Cancer Therapy upon In-Situ Orientation of Magnetic Nano Fluids

Topic of Research: Field Induced Heating of Magnetic Nanoparticles for Magnetic Hyperthermia Applications

Current Designation/ Organisation: Research Scholar, Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu



Runner Up II

Name: Ms. Atasi Ray

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

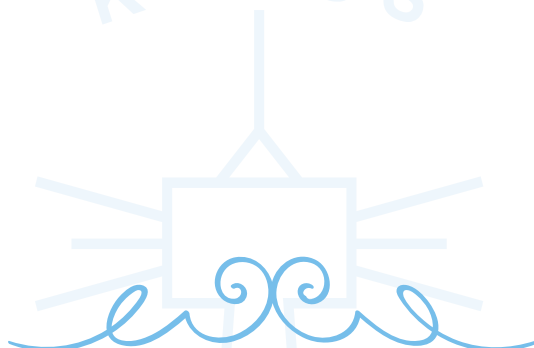
Research Supervisor: Prof. Rukmani Mohanta

Topic for Which Awarded: Probing New Physics in Semileptonic Λ_b Decays

Topic of Research: Model Independent Analysis of b-(c,u)VI Transitions

Current Designation/ Organisation: Research Scholar, University of Hyderabad, Hyderabad

K V R S S



Biology



TAMASOMA JYOTHIRGAMAYA

FRIENDSHIP WITH SCIENCE



2007

Winner**Name:** Dr. Tanweer Hussain**Organisation/Institution when Awarded:** Centre for Cellular and Molecular Biology, Hyderabad, Telangana**Research Supervisor:** Dr. Ranjan Sankaranarayanan**Topic for which Awarded:** Post-transfer Editing Mechanism of a D-Aminoacyl-tRNA Deacylase-like Domain in Threonyl-tRNA Synthetase from Archaea**Topic of Research:** Elucidating the Structural Basis of the Editing Mechanism of a D-Aminoacyl-tRNA Synthetase**Current Designation & Organisation:** Assistant Professor, Molecular Production, Development and Genetics, Indian Institute of Science, Bangalore**Runner-up – I****Name:** Dr. C. Rohini**Organisation/Institution when Awarded:** Osmania University, Hyderabad**Research Supervisor:** Prof. K. Prabhakara Rao**Topic for which Awarded:** Role of Mitochondrial OXPHOS Genes in Human Benign and Malignant Tumors**Topic of Research:** Role of Mitochondria and Mitochondrial DNA Mutations in Human Diseases**Current Designation & Organisation:** Assistant Professor, Department of Genetics, University College of Women, Osmania University, Hyderabad and Science Communicator**Runner-up – II****Name:** Dr. P. Anil Kumar**Organisation/Institution when Awarded:** National Institute of Nutrition, Hyderabad, Telangana**Research Supervisor:** Dr. G Bhanuprakash Reddy**Topic for which Awarded:** Effect of Hyperglycemia on the Structure, Function and Agents Expression of α -Crystallin: Modulation by Dietary Agents**Topic of Research:** Chaperone Function of Alpha-Crystallin in Hyperglycemic Conditions: Modulation by Dietary Agents**Current Designation & Organisation:** Assistant Professor, Department of Biochemistry, University of Hyderabad



Winner

Name: Dr. Md. Faiz Ahmad

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

Research Supervisor: Dr. Ch. Mohan Rao

Topic for which Awarded: Amyloid Fibril Formation of Human α -Synuclein: Effects of the Small Heat Protein α B-Crystallin and its Mutant

Topic of Research: Fibrillogenic and Non-Fibrillogenic Ensembles of SDS-Bound Human α -Synuclein

Current Designation & Organisation: Research Associate, Case Western Reserve University, Cleveland, Ohio

Runner-up – I

Name: Dr. Jisha Chalissery

Organisation/Institution when Awarded: Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad, Telangana

Research Supervisor: Dr. Ranjan Sen

Topic for which Awarded: Transcription Termination Defective Mutants of Rho: Role of Different Functions of Rho in Releasing RNA from the Elongation Complex

Topic of Research: Studies on Mechanism of Rho-Dependent Transcription Termination in *Escherichia coli*

Current Designation & Organisation: Medical Research Specialist, Department of Biochemistry, Faculty of Medicine and Health Science, United Arab Emirates University

Runner-up – II

Name: Dr. P Aravind

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

Research Supervisor: Dr. Yogendra Sharma & Dr. Ranjan Sankaranarayanan

Topic for which Awarded: Ion Binding Properties of Calcium Sensors and Calcium Sequestrers

Topic of Research: Ion Binding Properties of Calcium Sensors and Calcium Sequestrers

Current Designation & Organisation: Assistant Professor, Indian Institute of Science Bangalore



2008

Special Mention Award:**Name:** Dr. K Sowjanya Sree**Organisation/Institution when Awarded:** Andhra University, Visakhapatnam, Andhra Pradesh**Research Supervisor:** Prof. V Padmaja**Topic for which Awarded:** Oxidative Stress Induced By Destruxin from Metarhizium Anisopliae in the Polyphagous Pest, Spodoptera Litura - A Prelude to its Use as Biopesticide**Topic of Research:** Production of Destruxin from Metarhizium Anisopliae (Metchnikoff) Sorokin- Its Activity and Mode of Action Against the Insect Pest, Spodoptera Litura (Fabricius)**Current Designation & Organisation:** Assistant Professor, Department of Environmental Science, School of Earth Science System, Central University of Kerala, Kerala

2009

Winner**Name:** Dr. Gita Kumari**Organisation/Institution when Awarded:** Centre for DNA Finger Printing and Diagnostics, Hyderabad, Telangana**Research Supervisor:** Dr. S Mahalingam**Topic for which Awarded:** Extracellular Signal-Regulated Kinase 2 (ERK-2) Mediated Phosphorylation Regulates Nucleo-Cytoplasmic Shuttling and Cell Growth Control of Ras Associated Tumor Suppressor Protein, RASSF2**Topic of Research:** Functional Characterization of Ras Associated Tumor Suppressors**Current Designation & Organisation:** Laboratory of Molecular Biology and Immunology, National Institute of Aging, Battimore, MD, United States**Runner-up – I****Name:** Dr. Vidya Latha Parsam**Organisation/Institution when Awarded:** L V Prasad Eye Institute, Hyderabad, Telangana**Research Supervisor:** Dr. Chitra Kannabiran**Topic for which Awarded:** Molecular Genetics of Retinoblastoma**Topic of Research:** Molecular Genetics of Retinoblastoma**Current Designation & Organisation:** Global Business Development, Medical Technology & Health Care, Cyient, Hyderabad

2009



Runner-up-II

Name: Dr. P N B S Srinivas

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

Research Supervisor: Dr. G Bhanuprakash Reddy

Topic for which Awarded: Significance of the α -Crystallin Heteropolymer Expression in the Eye Lens

Topic of Research: Significance of the α -Crystallin Heteropolymer Expression in the Eye Lens

Current Designation & Organisation: Scientist, Sanofi (Shantha Biotechnics Ltd.), Hyderabad



Special Mention Award

Name: Dr. K. Kiranmayee

Organisation/Institution when Awarded: Kakatiya University, Warangal, Telangana

Research Supervisor: Prof. A. Sadanandam

Topic for which Awarded: Plastid Transformation Studies in Crop Plants

Topic of Research: Plastid Transformation Studies in Crop Plants

Current Designation & Organisation: Assistant Professor, Department of Biotechnology, Telangana University, Telangana

2010

Winner

Name: Dr. Yatender Kumar

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

Research Supervisor: Dr. Ghanshyam Swarup

Topic for which Awarded: Interaction with Sug1 Enables Ipaf Ubiquitination Leading to Caspase-8 Activation and Cell Death

Topic of Research: Mechanism of Induction of Apoptosis by Ipaf, a Target of Tumor Suppressor

Current Designation & Organisation: Assistant Professor Division of Biological Sciences & Engineering, NSIT, Dwarka, New Delhi



2010

Runner-up – I

Name: Dr. Charitha Gangadharan

Organisation/Institution when Awarded: Centre for DNA Fingerprinting and Diagnostics, Hyderabad

Research Supervisor: Dr. Sunil Kumar Manna

Topic for which Awarded: Understanding the Role of NF-Kb in Doxorubicin-Mediated Cell Death and Chemoresistance: Regulation to Improve Chemotherapy

Topic of Research: Understanding the Mechanism of Doxorubicin Mediated Apoptosis and Chemoresistance

Current Designation & Organisation: Research Scientist, Narayana Hrudayalaya, Bangalore



2011

Winner

Name: Dr. Kavitha Alapati

Organisation/Institution when Awarded: Acharya Nagarjuna University, Guntur, Andhra Pradesh

Research Supervisor: Prof. M Vijayalakshmi

Topic for which Awarded: Studies on the Production of Bioactive Compounds by Nocardia Levis MK-VL_113 and Streptomyces Tendae TK-VL_333

Topic of Research: Studies on the Production of Bioactive Compounds By Nocardia Levis MK-VL_113 and Streptomyces Tendae TK-VL_333

Current Designation & Organisation: Research Scientist, New Milford, New Jersey



Runner up – I

Name: Dr. Navneet Kaur Matharu

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

Research Supervisor: Dr. Rakesh Kumar Mishra

Topic for which Awarded: Conserved Components of the Higher Order Chromatin Structure in the Regulation of Homeotic Gene Complexes in Danio rerio

Topic of Research: Conserved Components of the Higher Order Chromatin Structure in the Regulation of Homeotic Gene Complexes in Danio rerio

Current Designation & Organisation: Post-Doctoral Fellow, University of California, San Francisco, California



2011



Runner-up – II

Name: Dr. Kunal Dayma

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

Research Supervisor: Dr. V Radha

Topic for which Awarded: Cytoskeletal Remodeling by C3G to Induce Neurite-like Extensions and Inhibit Motility in Highly Invasive Breast Carcinoma Cells

Topic of Research: Studies on the Role of C3G in Signalling Leading to Cell Plasticity

Current Designation & Organisation: Scientific Writer, Novartis, Hyderabad

2012

Winner

Name: Dr. P. Muthenna

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

Research Supervisor: Dr. Bhanu Prakash Reddy

Topic for which Awarded: Novel Aldose Reductase Inhibitors and Antiglycating Agents from Dietary Sources: Prospects for Alleviating Diabetic Complications

Topic of Research: Novel Aldose Reductase Inhibitors and Antiglycating Agents from Dietary Sources: Prospects for Alleviating Diabetic Complications

Current Designation & Organisation: Assistant Professor Department of Microbiology, SRR Government Arts & Science College, Satavahana University, Nizamabad



Runner-up-I

Name: Dr. G Sandhya

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

Research Supervisor: Prof. K. Uma Devi

Topic for which Awarded: Effect on Soil Fungal Community Structure and Fate of an Artificially Applied B.Bassiana Strain Assessed Through 454 Pyrosequencing

Topic of Research: In Vivo Validation of Expression of Pathogenicity Genes, Strain Specific SSR Markers and Application of Metagenomics for Assessment of Persistence and Effects of the Entomopathogenic Fungus, Beauveria Bassiana on Soil Fungal Diversity

Current Designation & Organisation: Molecular Biologist, Research Associate, NIPGR (National Institute of Plant Genetic Research), Gurgaon



2012

Runner-up – II

Name: Dr. Aridaman Pandit

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

Research Supervisor: Dr. Somadatta Sinha

Topic for which Awarded: Differential Trends in the Condon Usage Patterns in HIV - 1 Genes

Topic of Research: Theoretical Analysis of Host - Pathogen Interactions

Current Designation & Organisation: Assistant Professor, Laboratory of Translational Immunology, University Medical Center Utrecht (UMCU), Utrecht, The Netherlands



2013

Winner

Name: Dr. Kapil Sirohi

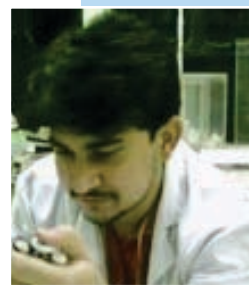
Organisation/Institution when Awarded: Centre for Cellular and Molecular Biology, Hyderabad, Telangana

Research Supervisor: Dr. Ghanshyam Swarup

Topic for which Awarded: Understanding Glaucoma Pathogenesis Through Studies on a Disease Associated Mutant of Optineurin

Topic of Research: Role of Optineurin and its Glaucoma Associated Mutants in Autophagy and Survival of Neuronal Cells

Current Designation & Organisation: Post-Doctoral Fellow, Department of Medicine, National Jewish Health, Denver, Colorado



Runner up – I

Name: Dr. T Prasad

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

Research Supervisor: Dr. Naresh Babu Sepuri

Topic for which Awarded: The Import of the Transcription Factor STAT3 into Mitochondria Depends on GRIM-19, a Component of the Electron Transport Chain

Topic of Research: Deciphering the Mechanistic Details of STAT3 Import into Mitochondria and its Role in Cellular Transformation

Current Designation & Organisation: Assistant Professor, Department of Animal Biology, University of Hyderabad, Hyderabad



2013



Runner up – II

Name: Dr. B Rama Raju

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

Research Supervisor: Dr. P Sreenivasa Rao

Topic for which Awarded: Development of Petri Net-based Dynamic Model For Improved Production of Farnesyl Pyrophosphate By Integrating Mevalonate and Methylerythritol Phosphate Pathways in Yeast

Topic of Research: Development of Yeast Cell Factories for Improved Production of Isoprenoids

Current Designation & Organisation: Assistant Professor, Department of Biotechnology, National Institute of Technology, Warangal

Special Mention Award-Agriculture

Name: Dr. S. Vasavi

Organisation/Institution when Awarded: Directorate of Oilseeds Research, Rajendranagar, Hyderabad, Telangana

Research Supervisor: Dr. M. Sujatha

Topic for which Awarded: Development of Transgenic Sunflower (*Helianthus annuus* L.) Resistant to Sunflower Necrosis Disease

Topic of Research: Development Genetic Transformation Protocols in Sunflower Resistant to Sunflower Necrosis Disease



2014

Winner

Name: Dr. G Narmadha Reddy

Organisation/Institution when Awarded: Centre for DNA Fingerprinting and Diagnostics, Hyderabad

Research Supervisor: Dr. Maddika Subbareddy

Topic for which Awarded: WD Repeat Protein WDR48 in Complex with Deubiquitinase USP12 Suppresses Akt Dependent Cell Survival Signalling by Stabilizing Phosphatase PHLPP1

Topic of Research: Identification and Characterization of PHLPP Associated Proteins in Regulation of Cell Survival



2014

Runner-up – I**Name:** Dr. S Santhi Kumar**Organisation/Institution when Awarded:** National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad, Telangana**Research Supervisor:** Dr. N Satheesh Kumar**Topic for which Awarded:** Quantitation and Pharmacokinetics of an Active Metabolite and Dopamine Antagonist – Paliperidone in Rats Using LC-MS/MS**Topic of Research:** Analytical and Bioanalytical LC-MS/MS Based Investigation of Pharmacokinetic, Metabolic and Toxicity Screening of Novel Pharmaceuticals**Current Designation & Organisation:** Scientific Liaison at US Pharmacopoeia, Hyderabad**Runner up – II****Name:** Dr. Manasi**Organisation/Institution when Awarded:** Birla Institute of Technology Sciences (BITS), Hyderabad, Telangana**Research Supervisor:** Dr. Vidya Rajesh**Topic for which Awarded:** Biosorption of Cadmium Using a Novel Microbe Isolated from an Electronic Industry Effluent**Topic of Research:** Isolation, Characterization and Application of Indigenous Microbial Consortia for Removal of Heavy Metals from Electronic Industry Effluents**Special Mention Award****Name:** Dr. P. Shiva Krishna**Organisation/Institution when Awarded:** Kakatiya University, Warangal, Telangana**Research Supervisor:** Prof. M A Singaracharya**Topic for which Awarded:** Pharmacological Activities Activity of Red Pigment Isolated from Marine Bacterium Vibrio sp**Topic of Research:** Extraction, Purification, Characterization and Biological Activities of Red Pigment (Prodigiosin) From Marine Bacterium Vibrio sp**Current Designation & Organisation:** Senior Microbiologist, LAVIN Laboratories, Hyderabad

2015



Winner

Name: Dr. J Deepa

Organisation/Institution when Awarded: International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru

Research Supervisor: Dr. Rajeev K Varshney

Topic for which Awarded: Genotyping-by-Sequencing Based Intra Specific Genetic Map Refines a "QTL-Hotspot" for Drought Tolerance in Chickpea

Topic of Research: Fine Mapping of QTLs for Drought Tolerance in Chickpea (*Cicer arietinum* L.)

Current Designation & Organisation: National Postdoctoral Fellow, M S Swaminathan Research Foundation, Chennai

Runner up – I

Name: Dr. Preethi Sheshadri

Organisation/Institution when Awarded: Manipal University, Allasandra, Bangalore

Research Supervisor: Dr. K V Anujith Kumar

Topic for which Awarded: Novel Role of Mitochondrial Manganese Superoxide Dismutase in Stat3 Dependent Pluripotency of Mouse Embryonic Stem Cells

Topic of Research: Deciphering the Role of Manganese Superoxide Dismutase in Self Renewal and Differentiation of Pluripotent Stem Cells

Current Designation & Organisation: Post-Doctoral Research Associate, University College London, London

Runner up – I

Name: Dr. K Venkat Raghavan

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

Research Supervisor: Dr. K Purna Sai

Topic for which Awarded: Expression and Integrity of Dermatopontin in Chronic Cutaneous Wounds: Implications on Skin Re-epithelialization

Topic of Research: Molecular Insights into Abnormal Wound Healing: Emphasis on the Pivotal Role of Dermatopontin

Current Designation & Organisation: Postdoctoral Research Fellow, Weizmann Institute of Science, Rehovot Area, Israel



2015

Runner up – II

Name: Dr. Jaya Krishnan

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: PDF, Nicholas Rohner Lab, Stowers Institute, Kansas



2016

Winner

Name: Dr. Bankapalli Kondalarao

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

Research Supervisor: Dr. Patrick D'Silva

Topic for which Awarded: Hsp31, a ThiJ1/DJ-1/Pfp1 Family Member Protein Plays An Indispensable Role In Oxidative Stress Resistance In Saccharomyces Cerevisiae

Topic of Research: Role of Small Heat Shock Proteins in Oxidative Stress Resistance in Eukaryotic Model Organism

Current Designation & Organisation: Postdoctoral Fellow, University of Washington, Seattle, USA



Runner up – I

Name: Dr. Geesala Ramasatyaveni

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

Research Supervisor: Dr. Amitava Das

Topic for which Awarded: Porous Polymer Scaffold for On-Site Delivery of Stem Cells: Protects from Oxidative Stress and Potentiates Wound Tissue Repair

Topic of Research: Inflammation: A Key Cellular Process in Regulating Stem Cell-Mediated Tissue Regeneration

Current Designation & Organisation: Postdoctoral Fellow at Department of Nephrology, School of Medicine, Duke University, Durham, North Carolina, USA



2016



Runner up – I

Name: Dr. S Praveen Joseph

Organisation/Institution when Awarded: LV Prasad Eye Institute, Hyderabad, Telangana

Research Supervisor: Dr. Indumathi Mariappan

Topic for which Awarded: Derivative of Ocular Tissues from Human Induced Pluripotent Stem Cells of Indian Origin

Topic of Research: Developing In Vitro and In Vivo Models of Retinal Degeneration



Runner-up – II

Name: Dr. Shabuddin Shaik

Organisation/Institution when Awarded: Acharya Nagarjuna University, Guntur, Andhra Pradesh

Research Supervisor: Dr. Y Ranga Reddy

Topic for which Awarded: Enigmatic Indian Cave Biodiversity

Topic of Research: Biodiversity of Indian caves, with Special Reference to Copepoda and Bathynellacea (Crustacea)

Current Designation & Organisation: Resource Person, Department of Zoology, Gulbarga University, Karnataka

2017



Winner

Name: Dr. Tushar D Lodha

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

Research Supervisor: Prof. Ch. Venkata Ramana

Topic for which Awarded: Draft Genome Sequence of Rhodomicrobium Udaipurens JA643T with Special Reference to Hopanoid Biosynthesis and Mining Bacterial Genomes for Hopanogenesis

Topic of Research: Mining Bacteria for Hopanoids and Genomic Insights of Hopanogenesis: A Critical Analysis of Global Transcriptional Response of Δshc Mutant of Rhodopseudomonas Palustris TIE-1

Current Designation & Organisation: Scientist, National Centre for Microbial Resource-NCCS, Pune

2017

Runner-up – I**Name:** Dr. Neethu Maria Abraham**Organisation/Institution when Awarded:** University of Hyderabad, Hyderabad, Telangana**Research Supervisor:** Prof. Krishnaveni Mishra**Topic for which Awarded:** Sir2 the Aging Gene and its Regulation by SUMOylation**Topic of Research:** Role of SUMOylation in the Regulation of Canonical and Non-Canonical Functions of Sir2**Current Designation & Organisation:** Associate Editor, Cactus Communications, Bangalore**Runner-up-I****Name:** Dr. K Narendar**Organisation/Institution when Awarded:** Indian Institute of Technology, Hyderabad, Telangana**Research Supervisor:** Dr. Thenmalarchelvi Rathinavelan**Topic for which Awarded:** "Structure and Dynamics of DNA & RNA Duplexes Comprising Trinucleotide Repeat Expansions and Their Implications Towards the Understanding of Disease Pathogenesis**Topic of Research:** Structure and Dynamics of DNA & RNA Duplexes Comprising Trinucleotide Repeat Expansions and Their Implications Towards the Understanding of Disease Pathogenesis**Current Designation & Organisation:** Post Doctoral Fellow Single Molecule Biophysics Laboratory, Clemson University, South Carolina, USA**Runner-up-II****Name:** Ms. Malapaka Kiranmayi**Organisation/Institution when Awarded:** Indian Institute of Technology, Madras**Research Supervisor:** Dr. Nitish R. Mahapatra**Topic for which Awarded:** Catestatin Gly364Ser Variant Alters Systemic Blood Pressure and the Risk for Hypertension in Human Populations via Endothelial Nitric Oxide Pathway**Topic of Research:** Studying the Role of Polymorphisms in the Chromogranin A Derived Peptides Catestatin/Parastatin in the Development of Metabolic Syndrome in Indian Populations

2018



Winner

Name: Dr. Sudheesh A P

Organisation/Institution when Awarded: Rajiv Gandhi Centre for Biotechnology, Malappuram, Kerala

Research Supervisor: Dr. Rakesh Laishram

Topic for which Awarded: Nuclear Phosphoinositide Signal Coupled Poly(A) Polymerase Star-PAP Regulates Metastatic Invasion and Tumour Formation

Topic of Research: Mechanism and Regulation of Star PAP Mediated 3 End Processing and Alternative Polyadenylation

Current Designation & Organisation: Postdoctoral Associate, The Jackson Laboratory for Mammalian Genetics, Bar Harbor, Maine, US.



Runner-up – I

Name: Dr. R Venkatraman

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

Research Supervisor: Dr. N. Ravi Sundaresan

Topic for which Awarded: Sirtuin 6 Controls Global Protein Synthesis Through Transcriptional Regulation of mTOR Signaling

Topic of Research: Role of Sirtuins in the Regulation of Protein Synthesis

Current Designation & Organisation: Research Associate, Department of Microbiology and Cell Biology, IISc, Bangalore



Runner-up – I

Name: Mr. Yogeeshwar Ajjugal

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

Research Supervisor: Dr. Thenmalarchelvi Rathinavelan

Topic for which Awarded: A B–Z junction Induced by an A...A Mismatch in GAC Repeats in the Gene for Cartilage Oligomeric Matrix Protein Promotes Binding with the hZADAR1 Protein

Topic of Research: Sequence Dependent Effect of A...A Mismatch on DNA Conformation and its Role in Altering Mismatch Repair Protein in CAG Repeat Overexpansion

Current Designation & Organisation: Research Scholar, Dept of Biotechnology, IIT Hyderabad

2018

Runner-up – II

Name: Dr. S M Rajesh Kotcherlakota

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

Research Supervisor: Dr. Chittaranjan Patra

Topic for which Awarded: Recombinant Fusion Protein Loaded Gold Nanoparticles Based Combinatorial Delivery of erbB2 siRNA and Doxorubicin for the Treatment of HER2+ve Ovarian Cancer

Topic of Research: Design and Development of Gold Nanoparticles Based Targeted Drug and Nucleic Acid Delivery for Cancer Therapeutics

Current Designation & Organisation: Mayo Clinic Post-Doctoral Fellow, IICT, Hyderabad



Special Mention Award

Name: Dr. R Rameshkumar

Organisation/Institution when Awarded: Alagappa University, Karaikudi, Tamil Nadu.

Research Supervisor: Dr. M Ramesh

Topic for which Awarded: Micropropagation is a Potential Tool for Simultaneous Conservation and Production of Plant and Related Pharmaceutics – An Experimental Approach in Nilgiranthus ciliatus

Topic of Research: Conservation of Globally Endangered Medicinal Plant Nilgiranthus ciliatus (Nees) Bremek through Biotechnological Approaches

Current Designation & Organisation: SERB Project Fellow, Alagappa University, Tamil Nadu



2019

Winner

Name: Mr. Kapudeep Karmarkar

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

Research Supervisor: Prof. Dipshikha Chakravorthy

Topic for which Awarded: Root Mediated Uptake of Salmonella is Different from Phyto-pathogen and Association with the Colonization of Edible Organs

Topic of Research: Elucidating the Mechanism of Interaction of Salmonella with Plants

Current Designation & Organisation: Research Scholar, IISc, Bangalore



2019



Runner-up-I

Name: Dr. Komal Kaushik

Organisation/Institution when awarded: CSIR-Indian Institute of Chemical Technology, Hyderabad, Telangana

Research Supervisor: Dr. Amitava Das

Topic for which Awarded: Cyclooxygenase-2 Inhibition Potentiates Trans-Differentiation of Wharton's Jelly-derived Mesenchymal Stem Cells into Endothelial Cells: Transplantation Enhances Neovascularization-mediated Wound Repair

Topic of Research: Molecular Mechanism of Human Mesenchymal Stem Cells Plasticity for Enhanced Neovascularisation-mediated Wound Tissue Regeneration

Current Designation & Organisation: Postdoctoral Research Associate, Washington University School of Medicine, Saint Louis, Missouri, USA



Runner-up – II

Name: Mr. Prachand Issarapu

Organisation/Institution when awarded: CSIR-Centre for Cellular and Molecular Biology, Hyderabad, Telangana

Research Supervisor: Dr. G R Chandak

Topic for which Awarded: Effect of Maternal Peri-conceptional Micronutrient Interventions on Children's DNA Methylation: The EMPHASIS Study

Topic of Research: Understanding Epigenetic Mechanisms Linking Peri-Conceptional Maternal Nutrition and Offspring Health

Current Designation & Organisation: Research Scholar, CCMB, Hyderabad



Special Mention Award

Name: Dr. Kavya Kamalakar Rao

Organisation/Institution when Awarded: Government Degree College (Autonomous), Kalaburagi, Karnataka

Research Supervisor: Dr. K Vijayakumar

Topic for which Awarded: Ecological Studies on Butterflies from Semi-Arid Region of Kalaburagi District Karnataka, India

Topic of Research: Ecological Studies on Butterflies from Semi-Arid Region of Kalaburagi District Karnataka, India

Current Designation & Organisation: Lecturer, Government Degree College (Autonomous), Kalaburagi, Karnataka

2020

Winner**Name:** Mr. Santosh Kumar Kuncha**Organisation/Institution when Awarded:** Centre for Cellular and Molecular Biology, Hyderabad, Telangana**Research Supervisor:** Dr. Rajan Sankaranarayanan**Topic for Which Awarded:** DTD-like Fold for Translation Quality Control**Topic of Research:** Elucidating the Mechanistic Principles and Physiological Roles of DTD-like Fold**Current Designation/ Organisation:** Research Scholar, Centre for Cellular and Molecular Biology, Hyderabad**Runner-up I****Name:** Ms. Anumeha Singh**Organisation/Institution when Awarded:** Indian Institute of Science, Bangalore**Research Supervisor:** Dr. Sandeep M Eswarappa**Topic for Which Awarded:** Let-7a-regulated Translational Readthrough of AGO1 Generates a microRNA Pathway Inhibitor**Topic of Research:** Translational Read through of AGO1 mRNA**Current Designation/ Organisation:** Research Scholar, Indian Institute of Science, Bangalore**Runner-up II****Name:** Mr. Pavan Kumar Chodiseti**Organisation/Institution when Awarded:** Center for Cellular and Molecular Biology, Hyderabad, Telangana**Research Supervisor:** Dr. Manjula Reddy**Topic for Which Awarded:** Identification of Bacterial Cell Wall Hydrolase with an Unusual Substrate-Specificity**Topic of Research:** Studies of Bacterial Cell Wall Synthesis**Current Designation/ Organisation:** Research Scholar, CSIR - Centre for Cellular and Molecular Biology, Hyderabad





Mathematics



2008

Winner

Name: Dr. B S R Vara Prasad

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

Supervisor during Research: Dr. P D N Srinivasu

Topic for which Awarded: Effect of Biological Control on the Development of Eco – System: A Mathematical Study

Topic of Research: Dynamics of Additional Food Provided Predator-Prey System with Applications to Biological Control

Current Designation & Organisation: Senior Assistant Professor, School of Advanced Sciences, Vellore Institute of Technology University, Vellore, Tamil Nadu



2009

Winner

Name: Dr. K. Vishnu Namboothiri

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

Supervisor during Research: Prof. Rajat Tandon

Topic for which Awarded: Algebraic Number Theory, Automorphic Forms Over Local Fields: Completing an Extension of Tunnel's Theorem

Topic of Research: Characters Appearing in the Weil Representation of a Regular Character

Current Designation & Organisation: Assistant Professor of Mathematics, Department of Collegiate Education, Government of Kerala



2010

Winner

Name: Dr. K Ali Akbar

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

Supervisor during Research: Prof. V Kannan

Topic for which Awarded: Set of Periods of a Linear Operator

Topic of Research: Some Results in Linear, Symbolic and General Topological Dynamics

Current Designation & Organisation: Assistant Professor, Department of Mathematics, School of Mathematical and Physical Science, Central University of Kerala



2010



Runner-up-I

Name: Dr. Debarjyoti Choudhuri

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

Supervisor during Research: Prof. B Sri Padmavati

Topic for which Awarded: Stokes Flow

Topic of Research: Some Applications of Complete General Solutions of Stokes Equations

Current Designation & Organisation: Assistant Professor, Department of Mathematics, National Institute of Technology, Rourkela, Odisha



Runner-up-II

Name: Dr. Kiran Kumar Gurubili

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

Supervisor during Research: Dr. P. D. N. Srinivasu

Topic for which Awarded: Periodic Solutions for an Equation Governing Dynamics of a Renewable Resource Subjected to Allee Effects

Topic of Research: Optimal Management of Renewable Resources Subjected to Allee Effect in a Seasonally Varying Environment

Current Designation & Organisation: Assistant Professor, Mathematics, Dr. B.R. Ambedkar University, Etcherla, Srikakulam

2011



Winner

Name: Dr. Penugurthi Murali

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

Supervisor during Research: Dr. K Rajendra Prasad

Topic for which Awarded: Multiple Symmetric Positive Solutions for Two-Point Boundary Value Problems on Time Scales

Topic of Research: Contributions to Higher Order Boundary Value Problems

2012

Winner

Name: Dr. Sharan Gopal

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad

Supervisor during Research: Prof. V. Kannan

Topic for which Awarded: Study of the Periodic Points of Homeomorphisms on Compact Metric Spaces with Finite Derived Length

Topic of Research: Study of Various Trajectories in Topological Dynamics with an Emphasis on Periodicones

Current Designation & Organisation: Assistant Professor, Department of Mathematics, BITS-Pilani, Hyderabad Campus, Hyderabad



Runner-up – I

Name: Dr. D. Krishna Kiran Vamsi

Organisation/Institution when Awarded: Sri Sathya Sai Institute of Higher Learning, Puttaparthi

Supervisor during Research: Dr. Pallav Kumar Baruah

Topic for which Awarded: Disconjugacy and Nonoscillation Domains for Nonlinear Singular Interface Problems on Semi-Infinite Time Scales

Topic of Research: A Study of a Pair of Second Order Nonlinear Dynamic Equations with Singular Interface on Time Scales

Current Designation & Organisation: Assistant Professor, Department of Mathematics, SSSIHL, Puttaparthi



2013

Winner

Name: Dr. R Ramu Naidu

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

Supervisor during Research: Dr. S Sastry Challa

Topic for which Awarded: Deterministic Constructions of Compressed Sensing (CS) Matrices: Theory and Applications

Topic of Research: Compressive Sampling Theory (Sparse Representation Theory)

Current Designation & Organisation: Assistant Professor, Indian Institute of Petroleum and Energy (IIPe), Visakhapatnam, Andhra Pradesh



2014



Winner

Name: Dr. P Chiranjeev

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

Supervisor during Research: Prof. V Kannan

Topic for which Awarded: Dynamics on Locally Compact Hausdorff Spaces

Current Designation & Organisation: Assistant Professor, School of Mathematics and Statistics, University of Hyderabad, Hyderabad

Runner-up – I

Name: Dr. K Bhargav Kumar

Organisation/Institution when Awarded: University of Hyderabad, Hyderabad

Supervisor during Research: Dr. T Suman Kumar

Topic for which Awarded: Nonlinear McKendrick - von Foerster Equation with Diffusion

Topic of Research: Study of a Nonlinear Renewal Equation with Diffusion

Current Designation & Organisation: Assistant Professor, Department of Mathematics, BITS-Pilani, Hyderabad Campus, Hyderabad

Runner-up – II

Name: Dr. K Rajya Lakshmi

Organisation/Institution when Awarded: Acharya Nagarjuna University, Guntur

Supervisor during Research: Prof. B. Victorbabu

Topic for which Awarded: On Second Order Slope Rotatable Designs Under Tri-Diagonal Correlation Structure of Errors

Topic of Research: Some Contributions to Second Order Rotatable, Slope Rotatable Designs Under Different Correlation Structures of Errors

Current Designation & Organisation: Assistant Professor, Department of Mathematics, KL Education Foundation, Vaddeswaram, Near Vijayawada



2015

Winner

Name: Dr. B Pradeep

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

Supervisor during Research: Prof. S Thangavelu

Topic for which Awarded: On the Chaotic Behavior of the Dunkl Heat Semigroup on Weighted L^p Spaces

Topic of Research: Mixed Norm Estimates in Dunkl Setting and Chaotic Behavior of Heat Semigroup

Current Designation & Organisation: Assistant Professor, Department of Mathematics, BITS -Pilani, K K Birla Goa Campus, Goa



Runner-up – I

Name: Dr. K Ambika

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

Supervisor during Research: Prof. R Radha

Topic for which Awarded: Progressive Waves in Non-Ideal Gases

Topic of Research: Pattern Recognition in Cellular Automata

Current Designation & Organisation: Assistant Professor, Department of Mathematics and Humanities, Institute of Technology, Nirma University, Ahmedabad



2016

Winner

Name: Dr. Haripada Sau

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

Supervisor during Research: Dr. Tirthankar Bhattacharya

Topic for which Awarded: A Note on Tetrablock Contractions

Topic of Research: Operator Theory on Symmetrized Bidisc and Tetrablock

Current Designation & Organisation: Inspire Fellow, TIFR Centre for Applicable Mathematics, Bangalore



2016



Runner-up – I

Name: Dr. Ratna Pal

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

Supervisor during Research: Dr. Kaushal Verma

Topic for which Awarded: Dynamics of Skew Products of Henon Maps

Topic of Research: Dynamics of Families of Holomorphic Mappings

Current Designation & Organisation: Post Doctoral Fellow, Indian Institute of Science and Educational Research, Pune

2017



Winner

Name: Dr. S Aiyappan

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

Supervisor during Research: Prof. A. K. Nandakumaran

Topic for which Awarded: Optimal Control Problem in a Domain with Branched Structure and Homogenization

Topic of Research: Homogenization of Optimal Control Problems

Current Designation & Organisation: Post-Doctoral Fellow Indian Institute of Science, Bangalore

2018



Winner

Name: Dr. Arka Mallick

Organisation/Institution when Awarded: TIFR-Centre for Applicable Mathematics, Bangalore, Karnataka

Supervisor during Research: Prof Kunnath Sandeep

Topic for which Awarded: A Hardy Type Inequality on Fractional Order Sobolev Spaces on the Heisenberg Group

Topic of Research: An Improved Leray-Trudinger Inequality

Current Designation & Organisation: Post Doctoral Fellow, École Polytechnique Fédérale de Lausanne, Switzerland

2019

Winner**Name:** Mr. Anindya Biswas**Organisation/Institution when Awarded:** Indian Institute of Science, Bangalore**Supervisor during Research:** Prof. Tirthankar Bhattacharyya**Topic for which Awarded:** On The Nevanlinna Problem**Topic of Research:** Interdisciplinary Area Between Functional Analysis and Several Variables Complex Analysis**Current Designation & Organisation:** Research Scholar, IISc, Bangalore**Runner-up – I****Name:** Ms. N Durga**Organisation/Institution when Awarded:** The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Tamil Nadu**Supervisor during Research:** Dr. P Muthukumar**Topic for which Awarded:** Stochastic Optimal Control of Fractional Differential Equation with Deviated Argument and Fractional Differential Inclusion with Non-instantaneous Impulses**Topic of Research:** Stochastic Optimal Control Problems in Hilbert Space**Current Designation & Organisation:** Research Scholar at Gandhigram Rural Institute, Dindigul**Runner-up – II****Name:** Ms. P Devi Priya**Organisation/Institution when Awarded:** Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu**Supervisor during Research:** Dr. S Monikandan**Topic for which Awarded:** A Reduction of the Reconstruction Conjecture**Topic of Research:** Graph Isomorphism Problems Related to Ulam's Conjecture**Current Designation & Organisation:** Research Scholar, Department of Mathematics, Manonmaniam Sundaranar University



Winner

Name: Mr. Tarun Dalal

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

Research Supervisor: Dr. Narasimha Kumar

Topic for Which Awarded: On Non-Vanishing of the Fourier Coefficients of Primitive Forms

Topic of Research: Modular Forms, Arithmetic of Modular Curves, Modular Forms over Function Fields, Galois Representations.

Current Designation/ Organisation: Research Scholar, Indian Institute of Technology - Hyderabad, Kandi, Sangareddy, Telangana



Runner-up – I

Name: Mr. Soumitra Dey

Organisation/Institution when Awarded: Indian Institute of Technology, Chennai, Tamilnadu

Research Supervisor: Prof. V Vetrivel

Topic for Which Awarded: Neutral Network Approach to the Variational Inclusion Problem

Topic of Research: Iterative Algorithms for Nonlinear Operators, Variational Inequality/Inclusion Problems, Inverse Variational Inequality Problems

Current Designation/ Organisation: Research Scholar, Indian Institute of Technology Madras, Chennai, Tamilnadu



School Talent Awards

- ◆ Started in 2003, awards were presented at annual function in 2004
- ◆ The event is conducted in collaboration with State councils of science and technology of Andhra Pradesh and Telangana
- ◆ School students of ages 10 to 17 from various districts present projects based on a given theme
- ◆ Selected students are given scholarships till their schooling



2004

Name: Ms. A. Shanti

Class: IX

School: SKVTEM High School, Rajahmundry District, Andhra Pradesh

Project: Good Agriculture Practice in Rice Production and Farmers Land Adaption



Name: Ms. Kadambari Sridhar

Class: X

School: DAV Public School, Safilguda, Ranga Reddy District, Telangana

Project: Bio-Pesticides - A Boon to Agriculture



Name: Ms. Afreen Sharief

Class: X

School: DAV Public School, Safilguda, Ranga Reddy District, Telangana



Name: Ms. J. Ravi Chandrika

Class: VIII

School: Zilla Parishad High School, Nellore District, Andhra Pradesh

Project: Food System for All - No Cost Vegetables



2004



Name: Mr. A. Subbaiah

Class: VI

School: MP Upper Primary School, Krishna District, Andhra Pradesh

Project: Overdoses of Chemical Pesticide - Impact on Crops & Eco-System



Name: Mr. Y. Rahul Krishna

Class: IX

School: Triveni School, Khammam District, Telangana

Project: Vavila Plant Pest Control

2005



Name: Mr. P. Raveendra

Class: VII

School: MPUP School, Bhattuvari Palem, Kaligiri, Nellore District, Andhra Pradesh

Project: Endemic Fluorosis in Certain Villages - Defluorination

Name of The Guide Teacher: Mr. J. Venkat Ramesh



Name: Ms. K. Tejaswini

Class: X

School: J.M.J.High School, Nakkalakutta, Hanumakonda, Warangal District, Telangana

Project: Water : The Resource that gets used for Everything

Name of The Guide Teacher: Ms. K. Sunita Devi

2005

Name: Ms. Bhushra**Class:** X**School:** St. Josephs High School, Near Fly Over, Guntur District, Andhra Pradesh**Project:** Safe Water & Save Life**Name of The Guide Teacher:** Ms. Vijaya Mary Sujatha**Name: Mr. C.P. Varun****Class:** X**School:** SFS School, Seethammadhara, Visakhapatnam District, Andhra Pradesh**Project:** Desalination of Sea Water using Tidal Hydrel Pump**Name of The Guide Teacher:** Mr. Govinda Raju**Name: Ms. Soumya Iyengar****Class:** IX**School:** DAV Public School, Safilguda, Ranga Reddy District, Telangana**Project:** Harness of Water**Name of The Guide Teacher:** Ms. P. Kalpalatha**Name: Mr. Jatin Puri****Class:** IX**School:** RBVRR High School, Mubarak Nagar, Nizamabad District, Telangana**Project:** To find out the cause of Water Borne Diseases in Rural India**Name of The Guide Teacher:** Mr A. Krishna Reddy

2006



Name: Ms. Ch. Srivalli Lavanya

Class: X

School: N.K.V. High School, Rajahmundry, East Godavari District, Andhra Pradesh

Project: The Management of Water where there is Dearth of it



Name: Mr. N. Ramu Naidu

Class: X

School: Zilla Parishad High School, Vavilpadu, Vizianagaram District, Andhra Pradesh

Project: Pure Water for Poor



Name: Mr. K. Anjani

Class: VI

School: Rotary (E/M) High School, Rachanapally, Anantapur District, Andhra Pradesh

Project: Fluoroguard



Name: Mr. B. Sethuram

Class: X

School: Montessori School, Vidyanagar, Kurnool District, Andhra Pradesh

Project: Water Pollution Threat to Bio-Control Agents - Go Back to Nature to Look for Our Future

2006

Name: Mr. B. Sukesh

Class: IX

School: Century High School, Khammam District, Telangana

Project: Water Harvesting and Conservation



Name: Mr. Sri Sai Saketh

Class: VIII

School: Krishnaveni Talent School, Manchiryal, Adilabad District, Telangana

Project: Domestic Recycling of used up Water



2008

Name: Ms. T. Santha Kumari

Class: X

School: APSWRS (G), Rajahmundry, East Godavari District, Andhra Pradesh

Project: Impact of Polythene on the Survival of Certain



Name: Ms. N. Sai Sravani

Class: VIII

School: Sri Saibaba Central School, Santhapeta, Ongole, Andhra Pradesh

Project: Soil Management



2008



Name: Ms. D. Sujatha

Class: IX

School: Zilla Parishad High School, Nandivargam, B.Palli Mandal, Kurnool District, Andhra Pradesh

Project: Cheruvu - Kalushya



Name: Mr. Ch. Satti Raju

Class: IX

School: Zilla Parishad High School, Pydibhimavaram, Srikakulam District, Andhra Pradesh

Project: Fish Diversity Management and Traditional Genes



Name: Mr. B. Sanyasi Naidu

Class: XI

School: Government Jr. College, Nellimarla, Vizianagaram District, Andhra Pradesh

Project: Bio-Coal



Name: Mr. K. Mohan Varma

Class: X

School: Bhashyam Public School, Bhavanipuram, Vijayawada, Andhra Pradesh

Project: Nitrogen Fixation

2009

Name: Ms. Kezia**Class:** VIII**School:** St. Arnold's High School, Ramachandrapuram, Medak District, Telangana**Project:** Natures Gift - Medicinal Plants**Name:** Ms. K. Ramanjaneyulu**Class:** VII**School:** MPUP School, Bommaluru Village, Bapulapadu Mandal, Krishna District, Andhra Pradesh**Project:** A study of Parthinium on its utilization**Name:** Mr. A. Chandra Babu**Class:** VIII**School:** ZP High School, Peddur Veeraballi Mandal, Kadapa District**Project:** Traditional Methods in Agriculture**Name:** Ms. P. Pavani**Class:** IX**School:** Little Flower High School, Santhi Nagar, Nalgonda, Telangana**Project:** Energy Audit

2009



Name: Mr. G. Manideep

Class: X

School: Zilla Parishad High School, Tanuku, West Godavari District, Andhra Pradesh

Project: Electricity and Constructive Conservation



Name: Ms. G. Prithvi Raj Reddy

Class: VII

School: Bharatiya Vidya Bhavan, NIRD Campus, Rajendra Nagar, Hyderabad, Telangana

Project: Trap the Sun and Free the Earth

2010



Name: Ms. J. Jyothi

Class: VIII

School: Zilla Parishad High School, Musunuru Village, SPS Nellore District, Andhra Pradesh

Project: Our School - A Friend to Planet Earth



Name: Ms. A. Bharathi

Class: IX

School: Zilla Parishad High School, Pittlam Village, Nizamabad District, Telangana

Project: Maanavuri Aharapu Alavatlu - Maarpu

2010

Name: Ms. Md. Ayesha**Class:** IX**School:** Kakatiya Merit School, J P Road, Bhimavaram, West Godavari District, Andhra Pradesh**Project:** Drastic Fall in the Number of Migratory Birds visiting Kolleru**Name:** Ms. S. Chandini**Class:** IX**School:** Zilla Parishad High School, Thampatapally Village, Srikakulam District, Andhra Pradesh**Project:** Soil Erosion in Brick making for Housing**Name:** Ms. U. Sri Sahitya**Class:** IX**School:** Bharatiya Vidya Bhavan, BHEL, Ramachandrapuram, Hyderabad, Telangana**Project:** War Against Smokeless Pollutants of Human Population**Name:** Mr. E. Ramakrishna**Class:** X**School:** Zilla Parishad High School, Marriguda Village, Nalgonda District, Telangana**Project:** Oxygenzone - Preparation of Natural Brand-Aid

2011



Name: Ms. B. Divya

Class: IX

School: Zilla Parishad High School, Sangam Village, PS Nellore District, Andhra Pradesh

Project: Effects of Rhizobium, Azopirillium as Biofertilizers

Name of The Guide Teacher: Mr. N. Subrahmanyam



Name: Ms. G. Harika

Class: VIII

School: Zilla Parishad High School, Konapur Village, Nizamabad District, Telangana

Project: Soil Suitable for Crips

Name of The Guide Teacher: Mr. Mutyala Nagesh



Name: Ms. B. Pavani

Class: IX

School: L R G Aided High School, Prasannayapally Village, Anantapur District, Andhra Pradesh

Project: Sustainable use of Land Resources - Trenches

Name of The Guide Teacher: Ms. C. Sujatha



Name: Ms. Ch. Shanti Angel

Class: X

School: VP & GSM High School, Suryapally Village, Guntur District, Andhra Pradesh

Project: Skimming of Fresh Water Lying Over Salt Water in Sandy Soils

Name of The Guide Teacher: Mr. Ch. Balasubrahmanyam

2011

Name: Ms. P. Shruti

Class: IX

School: Zilla Parishad Govt. High School, Rajapuram Village, Srikakulam District, Andhra Pradesh

Project: Plastic - A Slow Poison

Name of The Guide Teacher: Ms. R. Jyothsna



Name: Mr. Y. Manideep

Class: VII

School: D A V Public School, Anakapally, Visakhapatnam District, Andhra Pradesh

Project: Organic Component - The Life of Soil

Name of The Guide Teacher: Ms. K. Annapurna



2012

Name: Mr. P. Guruvaiah

Class: VIII

School: D.B.C.S. Municipal High School, Modampalli, Proddatur, Y.S.R. Kadapa, Andhra Pradesh

Project: Waste is not a Waste

Name of The Guide Teacher: Mr. S.R. Konda Reddy



Name: Ms. R. Hemalatha

Class: VIII

School: Zilla Parishad High School, Papampeta, Anantapur, Andhra Pradesh

Project: Conservation of Soil Nutrients, Water & Environment by Mulching

Name of The Guide Teacher: Mr. C. Rajasekhara Reddy



2012



Name: Mr. S. Raviteja

Class: X

School: Government High School, Marvad, Hanamkonda, Warangal, Telangana

Project: Role of Termites in Environment

Name of The Guide Teacher: Mr. T. Venkateswara Rao



Name: Mr. D. Vinay Venkat

Class: VIII

School: Zilla Parishad High School, Seethanagaram Anakapalli – Mandal, Visakhapatnam, Andhra Pradesh

Project: Integrated Nutrient Management - A Path towards the Goal of sustainable Agriculture

Name of The Guide Teacher: Mrs. B. Venkata Lakshmi



Name: Mr. M. N. Uma Sankar

Class: VIII

School: Challapalli Public School, Ramanagaram, Challapali, Krishna District, Andhra Pradesh

Project: Save our Land

Name of The Guide Teacher: Mr. A S V Ramana



Name: Mr. E. Janardhan

Class: VIII

School: Zilla Parishad High School, Marriguda – Mandal Nalgonda, Telangana

Project: Influence of Organic Components on Different Soil Properties

Name of The Guide Teacher: Ms. D. Nirmala

2013

Name: Ms. Sheelam Supriya**Class: X****School: St. Mary's High School, Mehadipatnam, Hyderabad, Telangana****Project: Liter of Light (Solar Bottle Bulb)****Name of The Guide Teacher: Ms. G Ranjani****Name: Mr. N Hari Haran Roy****Class: IX****School: Sri Lakshmi High School, N R Pet, Kurnool, Telangana****Project: Home Energy Conservation Facilitates - Reduce in Electricity Bill - Let Us Do It****Name of The Guide Teacher: Ms. Q Naishatasneem****Name: Mr. K Devendra****Class: X****School: Z P High School, Polavaram, Chittoor, Andhra Pradesh****Project: Efficiency of Improved Solar P V Panel****Name of The Guide Teacher: Mr. P Bhaskara Reddy****Name: Mr. B Nutan Kumar****Class: IX****School: Zilla Parishad High School, Polaki Mandal, Srikakulam, Andhra Pradesh****Project: Solar Electricity - Home Lights****Name of The Guide Teacher: Ms. K Jyothi**

2013



Name: Ms. C Yagnyasri

Class: VII

School: Indur Model School, Achanpally, Nizamabad

Project: Impact of Modernisation on Energy

Name of The Guide Teacher: Ms. T Sudha Rani



Name: Ms. K Navyasri

Class: IX

School: N R I Indian Springs, Kothapet, Guntur, Andhra Pradesh

Project: Production of Energy and Fuel by Waste Management and Recycling

Name of The Guide Teacher: Ms. M Vijaya Lakshmi

2014



Name: Ms. P J S Jayasri

Class: VIII

School: Dr. Besant E M High School, Vijayanagaram, Andhra Pradesh

Project: Electricity from Salt Water

Name of The Guide Teacher: Mr. K. Ravi, Mr. P Ramani Kumar



Name: Ms. S Y Sandhya Rani

Class: IX

School: Sri Prakash Vidya Niketan, Payakaraopet, Visakhapatnam, Andhra Pradesh

Project: To Study Bio Resource Potential in a Village

Name of The Guide Teacher: Ms. B. Vasavi

2014

Name: Ms. Dornala Revathi**Class: IX****School:** Geetanjali E M High School, Prakasam District, Andhra Pradesh**Project:** Friend or Enemy**Name of The Guide Teacher:** Mr. P Chandra Rao**Name: Mr. A Ikshwak Varma****Class: X****School:** Sri Shirdi Sai Vidya Niketan Rajahmundry, Andhra Pradesh**Project:** Solar Pest Control Device**Name of The Guide Teacher:** Mr. J. Sakshi Suresh Kumar**Name: Ms. G Keerthana****Class: IX****School:** Kesava Reddy High School, Appanapally, Mahaboobnagar**Project:** Algae - The Next Generation Fuel**Name of The Guide Teacher:** Mr. K Kalyan Srinivas**Name: Ms. M Aarthi****Class: IX****School:** D A V Public School, Safilguda, R K Puram, Hyderabad**Project:** Save Today for a Brighter Future**Name of The Guide Teacher:** Mrs. P. Kalpalatha

2015



Name: Ms. Ch Vishnu Priya

Class: IX

School: Sri Gowthami Smart School, Rajamundry, Andhra Pradesh

Project: Extinction of Dragonflies due to Climatic Changes

Name of Guide Teacher: Ms. K V Bhagya Sree



Name: Ms. L Geethika Patnaik

Class: IX

School: Sri Kakatiya E M High School, West Godavari District, Andhra Pradesh

Project: Ants Too Understand Weather and Climate

Name of the Guide Teacher: Mr. P Kiran Kumar



Name: Ms. T Divya

Class: X

School: St. John's E M High School, Vijayawada, Andhra Pradesh

Project: Green World - Through the Maintenance of Eco-Friendly Sustainable Practices

Name of Guide Teacher: Mr. P. Srinivas



Name: Mr. Shaik Muzammil Pasha

Class: VI

School: Castle Town High School, Rajeev Nagar, Hyderabad, Telangana

Project: Electro Magnetic Radiation Shield

Name of Guide Teacher: Mr. A. Hari Kiran

2015

Name: Ms. B Suma

Class: X

School: Zilla Parishad Secondary High School, Palvanha, Khammam District, Telangana

Project: The Adverse Impact of Stone Crusher Industry on Environment System – Remedies to Control it

Name of Guide Teacher: Ms. Durga Sailaja



Name: Mr. A Hari Sri Jayanth

Class: IX

School: Zilla Parishad High School, B J Puram, Vizianagaram District, Andhra Pradesh

Project: Conservation of Agriculture for Sustainable Land Use

Name of Guide Teacher: Ms. P. Swapna



2016

Name: Ms. P Mahalakshmi

Class: IX

School: Zilla Parishad High School, West Godavari, Andhra Pradesh

Project: Organic Cultivation – Ecofriendly

Name of the Guide Teacher: Mr. Ch. Ganga Raju



Name: Mr. K Shivudu

Class: X

School: Zilla Parishad High School, Mahbubnagar, Telangana

Project: Impact of Climate Change on Milk Production

Name of the Guide Teacher: Mr.K. Nagaiah



2016



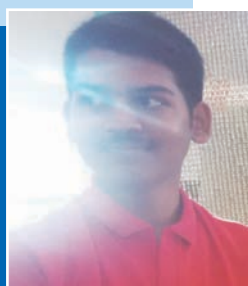
Name: Ms. D Manasa

Class: X

School: Zilla Parishad High School, Nizamabad, Telangana

Project: Reuse Plastic – Rebuilt Nature

Name of the Guide Teacher: Ms. S Archana



Name: Mr. P Partha Koundinya

Class: X

School: St. John's English Medium School, Gunadala Vijayawada, Andhra Pradesh

Project: The Natural Coastal Fencing – Aquatic Mangrove Ecosystem

Name of the Guide Teacher: Mr. P Srinivas



Name: Mr. S Anand

Class: IX

School: Z P High School, Vishakapatnam, Andhra Pradesh

Project: Stomatal Count for As Surrogate for the Production of Oxygen: Comparison of Different Plants

Name of the Guide Teacher: Mr. K Prasad



Name: Mr. K Rohith Kumar

Class: IX

School: Z P High School, Vizianagaram, Andhra Pradesh

Project: Natural Farming, Cultivation Through Moisture

Name of the Guide Teacher: Mr. G B Murali Krishna

2017

Name: Ms. S. Thabasum**Class:** IX**School:** Sri Gnana Saraswathi School, Anantapur, Andhra Pradesh**Project:** Management of Poultry Slaughter House Feather Meal in Anantapur and Harmful Effect of Disposal on Health**Name of The Guide Teacher:** Mr. G Raghavendra**Name: Ms. B. Sowmya****Class:** X**School:** Sister Stanislas School, Kurnool, Andhra Pradesh**Project:** Innovative Low-Cost Onion Storage**Name of The Guide Teacher:** Mr. S Beaulah Sudhan**Name: Mr. P. Saleem Basha****Class:** IX**School:** Zilla Parishad High School, Chapudu, YSR Kadapa, Andhra Pradesh**Project:** Eco Friendly Nursery Pot**Name of The Guide Teacher:** Mr. Sreenivasula Reddy**Name: Ms. G Manasa****Class:** X**School:** Devnar School for the Blind, Begumpet, Hyderabad, Telangana**Project:** Impact of Teaching Methodology on Learning Science for the Visually Challenged Children to Gain Confidence**Name of the Guide Teacher:** Mr. R. Parameswaran

2017



Name: Ms. P Sahithya

Class: IX

School: Ekashila Techno School, Warangal Urban, Telangana

Project: Green and Healthy Menstrual Pads

Name of the Guide Teacher: H. Madhavi



Name: Ms. B. Sonia

Class: X

School: Zilla Parishad High School, Yadadri, Nalgonda District, Telangana

Project: Recycling of Agriculture Solid Waste Material & Physically Challenges

Name of the Guide Teacher: Ms. P. Kalyani

2018



Name: Ms. M Gowhati

Class: IX

School: Zilla Parishad High School, Chitvel, Kadapa, Andhra Pradesh

Project: Open Defecation - Dry Latrine

Name of Guide Teacher: Mr. Ravi Shankar Reddy



Name: Mr. J Rajani Kanth

Class: VII

School: Zilla Parishad High School, Bachehalli, Ananthapuram, Andhra Pradesh

Project: Biometric Health Treatment

Name of Guide Teacher: Mr. M Suresh Kumar

2018

Name: E V V Rajith**Class:** IX**School:** Sri Prakash Vidya Nikethan, Visakapatnam, Andhra Pradesh**Project:** Farmers Concept on Multiple Cropping and New Systems of Irrigation**Name of Guide Teacher:** Mr. G.V.S. Trinadh**Name:** V. Sai Shivani**Class:** IX**School:** Indur High School, Achanpally, Nizamabad, Telangana**Project Title:** The Effect of Typha Latifolia Beeds in the Removal of Heavy Metals from Water**Name of Guide Teacher:** Ms. P Ujwala**Name:** K Koushik**Class:** X**School:** Vishwa Bharathi High School, Vinayak Nagar, Nizamabad, Telangana**Project:** An Aid for the Blind**Name of Guide Teacher:** Ms. Maria Serena**Name:** Ms. D. Navya Sai Meghana**Class:** IX**School:** Zilla Parishad High School, Vishakapatnam, Ananthapuram**Project:** Production of Quality Sugarcane**Name of Guide Teacher:** Ms. K.V. Ratnamala



Name: Mr. B Vishvas

Class: VIII

School: Zilla Parishad High School, Pathapeta, Uravakonda, Anantapur District, Andhra Pradesh

Project: "BRISTIC - Single use Plastic has become a Hazard these days. The Plastic Waste can be Reused in Cement Bricks to Reinforce them. The Shredded Plastic is Mixed with Cement and Sand and made into Bricks. Pennahobilam, a Sacred place is now no Plastic Zone."

Name of Guide Teacher: Ms. U.Sailaja



Name: Ms. D Sirisha

Class: IX

School: S.P.T.T.Z.P.H. School, Tripuranthakam, Prakasam District, Andhra Pradesh

Project: "Break the Silence (Survey of Menstrual Hygiene Related Customs in Different Community's in our Locality"

Name of Guide Teacher: Ms. Kolli Mohananjali



Name: Mr. Mohith Gowd

Class: VII

School: Chaitanya English Medium School, Krishna District, Andhra Pradesh

Project: "A Study on the Influence of Biofloc Technology in Regard with Juvenile Prawn Quality Growth (More Crop with one Drop)"

Name of Guide Teacher: Mr. M Nagaraju



Science Quiz Awards

- ◆ Started in 2006 for school students of Hyderabad
- ◆ Now applicable to the states of Telangana, Andhra Pradesh, Tamil Nadu, Karnataka and Kerala
- ◆ For students from classes 8th to 12th
- ◆ Initially started as live interactive, now it is conducted online



2007

Winners

Team

1. **Mr. B. Karthik Goud**
2. **Mr. R. Sudhakar**

School: Jawahar Navodaya Vidyalaya, H.C.U. Campus, Gachibowli, Hyderabad, Telangana



Runners up – I

Team

1. **Mr. Varun Adishankar**
2. **Mr. Abhishek Sudhakar**

School: Chinmaya Vidyalaya, Begumpet, Hyderabad, Telangana



Runner up – II

Team

1. **Mr. V. Sai Praneeth**
2. **Mr. Maaz Mashood Mohiuddin**

School: St. Joseph's Public School, King Koti Road, Hyderabad



2008

Winners

Team Members

1. **Mr. Syed Mustafa Hashmi** – Class: X
2. **Mr. V. Sri Anish** – Class: X

School: Little Flowers High School, Chirag Ali lane, Abids, Hyderabad, Telangana



2008



Runners up – I

Team

1. **Mr. S. Nagaraj Abhishek** – Class: IX
2. **Mr. Aakash Kumar Singh** – Class: IX

School: Johnson Grammar School, Hyderabad, Telangana



Runners up – II

Team

1. **Mr. K. Rohit Reddy** – Class: X
2. **Mr. Ch. Chandrasekhar** – Class: X

School: Little Flower High School, Chirag Ali lane, Abids, Hyderabad, Telangana

2009

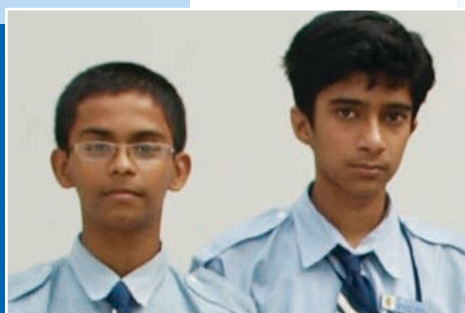


Winners

Team Members

1. **Mr. G. Abhinav**
2. **Mr. D. Chetan**

School: Johnson Grammar School, Habsiguda, Hyderabad, Telangana



Runners up – I

Team

1. **Mr. D. Achyut Madhav**
2. **Mr. C. Anirudh**

School: St. Joseph's Public School, Habsiguda, Hyderabad, Telangana

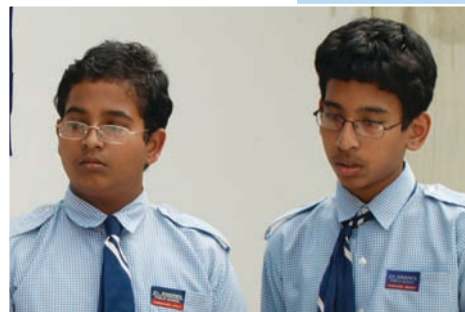
2009

Runners up – II

Team

1. **Mr. C. Rama Krishna**
2. **Mr. P. Dheeraj**

School: St. Joseph's Public School, Habsiguda, Hyderabad, Telangana



2010

Winners

Team

1. **Mr. A. Krishna Akhil** – Class: X
2. **Mr. P Rohan Naidu** – Class: X

School: All Saints High School, Hyderabad, Telangana



Runners-up

Team

1. **Mr. G.V.S. Ravi Teja**
2. **Mr. T Teja**

School: Visakha Valley School, Visakhapatnam, Andhra Pradesh



2011

Science Quiz Award: Winners

Team Members

1. **Mr. Syed Murtuza Hashmi** – Class: X
2. **Mr. Sai Shasank Reddy** – Class: X

School: Little Flower High School, Abids, Hyderabad



2011



Runners-up

Team

1. **Mr. K V S Lokesh** – Class: X
2. **Mr. Nikhil Nayak** – Class: X

School: Bharatiya Vidya Bhavan's School, Jubilee Hills, Hyderabad, Telangana

2012



Winners

Team

1. **Mr. Angad Sabrawal** – Class: X
2. **Mr. Praveen Kulkarni** – Class: X

School: Army Public School, RK Puram, Hyderabad, Telangana

2013



Runners-up

Team

1. **Mr. V.S.P Abhishek** – Class: X
2. **Mr. Sri Krishna** – Class: X

School: Nalanda Talent School, Visakhapatnam, Andhra Pradesh

Winners

Team

1. **Mr. M Kalyan Venkat**
2. **Mr. V Krishna Chaitanya Reddy**

School: Bharatiya Vidya Bhavan's Sri Venkateswara Vidyalaya, Alipiri, Tirupati, Andhra Pradesh

2013

Runners-up

Team

1. **Mr. P Krishna Pradeep**
2. **Mr. P V S Vamsi Krishna**

School: Sri Prakash Vidya Niketan, Asilmetta,
Visakhapatnam, Andhra Pradesh



2014

Winners

Team

1. **Mr. D Jeevitesh**
2. **Mr. M Prabhat**

School: Narayana IIT Olympiad School, Vijayawada,
Hyderabad.

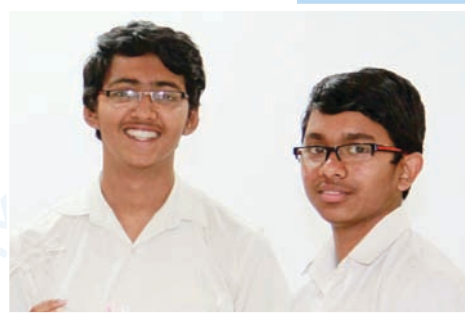


Runners-up

Team

1. **Mr. Siddharth B Rao**
2. **Mr. Ketan Karnakota**

School: Gitanjali Senior School, Begumpet, Hyderabad,
Telangana



2015

Winners

Team

1. **Mr. Pranav Mihir Kandada**
2. **Mr. Arjun S Kallapur**

School: Hyderabad Public School, Begumpet, Hyderabad,
Telangana



2015



Runners-up

Team Members

1. **Mr. E Sai Nived**
2. **Ms. K Chandra Lalita**

School: V P S Public School, Mogalrajpuram, Vijayawada, Andhra Pradesh

2016



Winners

Team

1. **Mr. Ritwik Saharam** – Class: X
2. **Mr. Srijan Kumar** – Class: X

School: Gitanjali Senior School, Begumpet, Hyderabad, Telangana



Runners-up

Team

1. **Mr. G Lokesh** – Class: X
2. **B Anudeep Reddy** – Class: X

School: Little Angels High School, Bhavani Nagar, Tirupati, Andhra Pradesh

2017



Winners

Team

1. **Mr. Syed Mohammad Hashmi** – Class: X
2. **Mr. Hussain Ahmed** – Class: VIII

School: Little Flower High School, Chirag Ali lane, Abids, Hyderabad, Telangana

2017

Runners-up

Team

1. **Mr. Yaswanth** – Class: IX
2. **Mr. VJ. Vishnu** – Class: IX

School: Bharatiya Vidya Bhavan's Sri Venkateswara Vidyalaya, Alipiri, Tirupati, Andhra Pradesh



2018

Winners

Team

1. **Mr. Shubham Haran** – Class: XII
2. **Mr. K Sai Prajwal** – Class: XI

School: Page Junior College, Himayathnagar, Hyderabad, Telangana



Runners-up

Team

1. **Mr. Shaik Shoiab** – Class: XII
2. **Mr. Yash Rekhari** – Class: IX

School: Army Public School, Bolarum, Secunderabad, Hyderabad, Telangana



2019

Winners

Team

1. **Mr. Karun Vattakavil** – Class: XI
2. **Ms. Shreya Chillara** – Class: XI

School: DDMS P Obul Reddy Public School, Hyderabad, Telangana



2019



Runners-up

Team

1. **Mr. M V Nikesh Kumar** – Class: X
2. **Ms. B Ananya** – Class: X

School: NSM Public School, Vijayawada, Andhra Pradesh

2020



Winner

1. **Mr. Abhigyan Mohanty** – Class: X

School: Delhi Public School, Khajaguda, Hyderabad, Telangana



Runner Up I

1. **Mr. Adityaya Dhande** – Class: XI

School: Gitanjali Senior School, Mayuri Marg, Begumpet, Hyderabad, Telangana



Runner Up II

1. **Mr. Manas Ravulapali** – Class: X

School: Delhi Public School, Khajaguda, Hyderabad, Telangana

SPARK Innovation Awards (Science Fair)

- ◆ Started in 2011 for school students of Andhra Pradesh
- ◆ Now applicable to the states of Telangana, Andhra Pradesh, Tamil Nadu, Karnataka and Kerala
- ◆ To be extended all states of India
- ◆ For students of classes 7th to 12th
- ◆ Started as science projects, now categories planned for specific basic sciences, viz., Mathematics, Physics, Biology and Chemistry
- ◆ In 2020 conducted for Mathematics, KVRSS GANITAM, Math Fair
- ◆ Collaborative Event with CSIR - CCMB on "Climate Change Challenge" for classes 9th to 12th



2012

Category - I:**Winners****Team**

1. **Mr. Snehal Machal** – Class: IX
2. **Mr. N Aakash** – Class: IX
3. **Mr. Abhirup Sen** – Class: IX
4. **Mr. Rahul Mohta** – Class: IX

School: Johnson Grammar School, Hyderabad, Telangana**Project:** Aero Drone**Name of the Guide Teacher:** Ms. Rema**Category - I:****Runners up – I****Team**

1. **Mr. B Bharath** – Class: VIII
2. **Mr. K Jampanna Raju** – Class: VIII

School: AP Tribal Welfare Residential School (Boys), Khammam, Palvancho, Andhra Pradesh**Project:** Innovative Earthquake Indicators**Name of the Guide Teacher:** Mr. Mallikarjuna Rao**Category - I:****Runners up – II****Team**

1. **Ms. K Jyothi** – Class: VIII
2. **Ms. L Vinitha** – Class: VIII
3. **Ms. D Ayesha** – Class: VII
4. **Mr. S Durga Prasad** – Class: VII

School: Government High School, Zamistanpur, Hyderabad, Telangana**Project:** Playing and Learning Multiplications**Name of the Guide Teacher:** Mr. PDLG Sarma

2013



Category – I:

Winners

Team

1. **Mr. A Saketh** – Class: IX
2. **Mr. Shiva Ram Reddy** – Class: IX
3. **Mr. P Shashank** – Class: IX

School: Bharatiya Vidya Bhavan's Vidyashram, NIRD Campus, Rajendranagar, Hyderabad, Telangana

Project: Relighting the failed Tubelights and reducing the mercury pollution

Name of the Guide Teacher: Ms. O.V. Radha



Category – I:

Runners up – I

Team

1. **Mr. Abhinav Anand** – Class:
2. **Mr. P Dheeraj** – Class:
3. **Mr. K S S Aneesh** – Class:

School: Defence Laboratories School, R C I, Hyderabad, Telangana

Project: Train Anti Collision Device (TACD).



Category – I:

Runners up – II

Team

1. **Mr. T. Rambabu** – Class: IX
2. **Mr. P. Prem Kumar** – Class: IX

School: Andhra Pradesh Tribal Welfare Residential School, Palwancha, Khammam, R C I, Hyderabad

Project: Non-Stop Power Producing Project

Name of the Guide Teacher: Mr. K. Mallikarjuna Rao

2013

Category – II:**Winners****Team**

1. **Mr. Vivek Jain** – Class: X
2. **Mr. K Pranaya Raj** – Class: X

School: D A V Public School, Safilguda, Hyderabad, Telangana

Project: Pre - Collision System

Name of the Guide Teacher: Ms. Gowri

**Category – II:****Runners up****Team**

1. **Mr. R V S Harshith** – Class: X
2. **Mr. P Susreeth** – Class: X
3. **Mr. S Vivek Reddy** – Class: X
4. **Mr. Vishnu Vardhan Chary** – Class: X

School: Johnson Grammar School(Seniors), Mallapur Road, Nacharam, Hyderabad, Telangana

Project: Suitcase Car

Name of the Guide Teacher: Mrs Bindu Nair

**Category : Mathematics****Winners****Team**

1. **Ms. Kruthika Kanduri** – Class: VIII
2. **Ms. M Mahalakshmi** – Class: VIII
3. **Ms. V Meghana** – Class: VIII
4. **Ms. Maneesha** – Class: VIII

School: N A S R School, Khairatabad, Hyderabad

Project: Algebra Tiles

Name of the Guide Teacher: Ms. Geeta Desai



2014



Category - II:

Winners

Team

1. **Mr. S.V.S. Manoj Kumar** – Class: XII
2. **Mr. M.Bala Charan Nihanth** – Class: XII
3. **Mr. V.K.Amrit** – Class: XII

School: Nalanda Vidya Niketan Gayathrinagar, Vijayawada, Andhra Pradesh

Project: Make A Move With A Glove

Name of the Guide Teacher: Ms. Susanth Das



Category – II:

Runners up – I

Team

1. **Ms. B.Meghana Hari Priya** – Class: X
2. **Mr. Rohit.Y** – Class: X

School: B V Bhavan's Atmakuri Rama Rao School, Jubilee Hills, Hyderabad, Telangana

Project: Traveller's Solar Wind Mobile Charger

Name of the Guide Teacher: Ms. Sreeletha Nair

2015



Category – I:

Winners

Team

1. **Mr. K Tarun Reddy** – Class: IX
2. **Mr. G Vishal Bharadwaj** – Class: IX
3. **Mr. B Snehit Reddy** – Class: IX

School: Sherwood Public School, Hyderabad, Telangana

Project: Automatic Level Crossing Gates by Using Sensors

Name of the Guide Teacher: Ms. C. Harita & Mr. Akki Raju

2015

Category – I:**Runners up – I****Team**

1. **Ms. A Manasa**
2. **Ms. S Sathya Veni**

School: Government High School, Zamistanpur, Hyderabad, Telangana

Project: Rekheeya Samaasaala Gunakaara Keli

Name of the Guide Teacher: Mr. A Sarma

**Category – I:****Runners up – II****Team**

1. **Ms. N Ahladita** – Class: IX
2. **Ms. J V Medhana** – Class: IX

School: Sri Prakash Vidyaniketan, Seetammadhara, Visakhapatnam, Andhra Pradesh

Project: Automatic Wheel Chair Using Gesture Recognition

**Category – II:****Winner****Team**

1. **Mr. S Dharun Kumar** – Class: XI
2. **Mr. J Mothilal Rathnam** – Class: XI
3. **Mr. S Saravanan** – Class: XI
4. **Mr. S V Sriram** – Class: XI

School: SMB Matriculation School, Dundigul, Tamilnadu

Project: PC for D² – Personalised Computer for Deaf and Dumb



2015



Category – II:

Runners up – I

Team

1. **Mr. Mohammad Nasear Ahmed** – Class: X
2. **Mr. V Roshan Raju** – Class: X
3. **Mr. Saaketh Buddhiraju** – Class: X
4. **Mr. Prashanth** – Class: X
5. **Mr. Nikihil** - Class: X

School: Bharatiya Vidya Bhavans, RC Puram, BHEL, Hyderabad, Telangana

Project: Road Safety Using Weight Detectors in Blind U Turns

Name of the Guide Teacher: Mrs. Ramakrishna



Category – II:

Runners up – II

Team

1. **Mr. P Dheeraj** – Class: X
2. **Mr. Ayush Chauhan** – Class: X

School: Defence Laboratories School, RCI, Rajendra Nagar, Hyderabad, Telangana

Project: Tapping Energy from Footsteps

2016



Category – I:

Winners

Team

1. **Mr. Praveen Choudhary** – Class: IX
2. **Ms. Prachi Thakur** – Class: IX

School: Sherwood Public school, Hyderabad , Jedimetla Village, Secunderabad

Project Title: Piezo Charger(Traffic pressure to electricity and mobile charging through pressure)

Name of the Guide Teacher: Ms. C. Harita

2016

Category – I:**Runners up – I****Team**

1. **Mr. Anmol Mathur** – Class: VIII
2. **Mr. Eashan Gupta** – Class: VIII

School: Glendale Academy International, Rajendra Nagar, Hyderabad, Telangana

Project Title: The Handinator

Name of the Guide Teacher: Ms. Sangeet Shivam

**Category – I:****Runners up – II****Team Members**

1. **Mr. N Manoj** – Class: VIII
2. **Mr. V. Abhishek** – Class: VIII
3. **Mr. M. Karthikeya** – Class: VIII

School: Sri Prakash Vidya Niketan, Pendurthi, Vishakapatnam, Andhra Pradesh

Project Title: Multitasking Agriculture Machine

**Category – II:****Winners****Team**

1. **Mr. K V S Supreeth** – Class: X
2. **Mr. N. Sai Shreya** – Class: X
3. **Mr. Sujay Niranjana** – Class: X

School: Genesis International School, Madinaguda, Miyapur, Hyderabad

Project Title: Electric Car





**Category – I:
Winners**

Team

1. **Ms. Beebi Juheena Maliha** – Class: IX
2. **Mr. Mathew Vincent** – Class: IX
3. **Ms. Archana H** – Class: VIII

School: Christ CMI Public School, Kanhangad, Kerala

Project Title: Tuginate (Kit for Duckweed Inoculum)

Name of the Guide Teacher: Dr. K. Sowjanyaasree



**Category – I:
Runner up – I
Team**

1. **Mr. S.M. Karthik Anand** – Class: VIII

School: CS Academy, Coimbatore Tamilnadu

Project Title: Adsorption of Heavy Metals from using Turmeric

Name of the Guide Teacher: Mrs. Sriuma. V



**Category – I:
Runners up – II**

Team

1. **Mr. Hyder Husain Arastu** – Class: VIII
2. **Mr. Omer Saleem Ahmed** – Class: VIII

School: Glendale Academy International, Bandlaguda, Hyderabad, Telangana

Project Title: Table IT

Name of the Guide Teacher: Sangeet Shivam

2017

Category – II:**Winners****Team**

1. **Ms. G. Vaishnavi Sharma** – Class: X
2. **Ms. T Nikitha** – Class: X
3. **Ms. P Supraja** – Class: X

School: Bharatiya Vidya Bhavans S.V.V, Bhavani Campus, Alipiri, Tirupati

Project Title: Smart Helmet

Name of the Guide Teacher: Ms. T. Radhika

**Category – II:****Runner up – I****Team**

1. **Mr. Chandan Perla** – Class: X

School: N.S.M. Public School, Patamata, Vijayawada

Project Title: Energy Generating Shirt and Neuro Pulse Transmitter

Name of the Guide Teacher: Ms. Shakambari

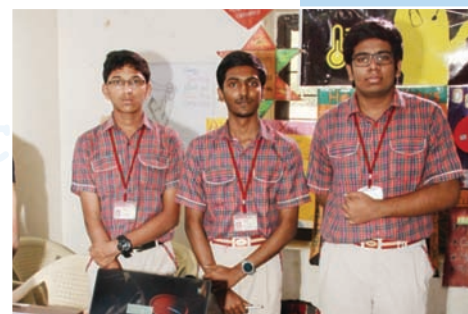
**Category – II:****Runners up – II****Team**

1. **Mr. S Gowtham** – Class: XII
2. **Mr. Aparajith Srinivasan** – Class: XII
3. **Mr. Dhinesh R** – Class: XII

School: D. A. V. Public School, Velachery, Chennai

Project Title: Wireless Health Monitoring System

Name of the Guide Teacher: Mrs. Usha Thiyagarajan



2018



Category – I:

Winners

Team

1. **Ms. R Sathvika** – Class: IX
2. **Ms. B Vaishnavi** – Class: IX
3. **Ms. P Sri Harsha** – Class: IX

School: Paramita IIT and Medical League, Karimnagar, Telangana

Project: Storing Veggies

Name of the Guide Teacher: Ms. Bupender Kour



Category – I:

Runners up – I

Team

1. **Ms. V Harini** – Class:
2. **Mr. R Mohammed Halith** – Class: IX
3. **Ms. K Vajika Shafreen** – Class: IX

School: Mahatma Montessori Matric Hr. Sec School, Madurai, Tamil Nadu

Project: Impact of Maida Consumption (Alloxan) on Health of Madurai City

Name of the Guide Teacher: Ms. R Christella



Category – I:

Runners up – II

Team

1. **Ms. K Sumana Sri** – Class: IX
2. **Ms. V Sai Poojitha** – Class: IX
3. **Ms. P Priyoosha** – Class: IX

School: St. John's E M High School, Gunadala, Vijayawda, Andhra Pradesh

Project: Amazing Scales and Feathers

Name of the Guide Teacher: Mr. Hemanth Kumar

2018

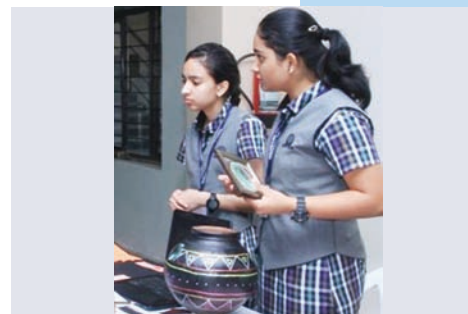
Category – II:**Winners****Team**

1. **Ms. Namita Ramesh** – Class: XI
2. **Ms. Deveshi Pareek** – Class: XI

School: DDMS P. Obul Reddy Public School, Jubilee Hills, Hyderabad, Telangana

Project: Lunatrat – The Destroying Pot

Name of the Guide Teacher: Ms. Roja Rani Geddam

**Category – II:****Runners up – I****Team**

1. **Ms. Prathiksha Murugavel** – Class: XI
2. **Ms. R Jyothsna** – Class: XI

School: D A V Public School, Velacherry Chennai

Project: Preparation of Biopesticide for Mosquito Larvae from Watermelon Rind

Name of the Guide Teacher: Ms. Rema Devi

**Category – II:****Runners up – II****Team**

1. **Mr. Atmakuri Sai Sri Harsha** – Class: XI
2. **Ms. M Uha Sree** – Class: XI

School: RMK Residential Senior Secondary School, Thiruvallur, Tamil Nadu

Project: PREGO: Accident Proof Car

Name of the Guide Teacher: Mr. K Kiran Kumar





Category-I:

Winner

Team

1. **Mr. G Anudeep** – Class: VIII

School: Paramita High School, Padmanagar, Karimnagar, Telangana

Project: Magical Hexagon

Name of the Guide Teacher: Mr. Lalit Mohan Sahu



Category-I:

Runners up-I

Team

1. **Mr. Hardik Patel** – Class: VIII
2. **Ms. Bindu Madhuri** – Class: VIII
3. **Mr. Mehul Grover** – Class: VIII

School: Capstone High School, Kammavari Pete, Hoskote, Karnataka

Project: Separation of Microbeads from Sewage Treatment Plant

Name of the Guide Teachers: Dr. Chandan N and Ms. Upasanna



Category-I:

Runner up-II

Team

1. **Mr. S Surya Mutharasu** – Class: VIII

School: SBOA School & Junior College, Anna Nagar West Extension, Chennai

Project: Smart Grid

Name of the Guide Teacher: Mrs. P R Vijaya

2018

Category-II:**Winner****Team**

1. **Mr. Zain Ahmed Samdani** – Class: XII

School: Indian Open School, Hyderabad

Project: ExoHeal: Utilising Neuroplasticity and Retraining the Brain with Robots

Name of the Guide Teacher: Mrs. Asfia Jabeen Zubair

**Category-II:****Runner up-I****Team**

1. **Mr. Efraem Joji** – Class: X

School: Holy Cross Senior Secondary School, Kunnamkulam, Thrissur District, Kerala

Project: “RAKSHA” – System for Prevention of Electrocution and the Hazardous Effects of Short Circuits

Name of the Guide Teacher: Dr. Joji George

**Category-II:****Runners up-II****Team**

1. **Mr. B P Ravi Kiran Reddy** – Class: X
2. **Mr. P Sai Teja** – Class: X

School: Devnar School for the Blind, Begumpet, Hyderabad, Telangana

Project: Safe and Green Charging of Mobile Phones

Name of the Guide Teacher: Mr. Ramaswamy Parameswaran





Winner

Team

1. **Mr. Amudhu Sundaram S** – Class: VIII

School: SBOA School & Junior College, No.18, School Road, Anna Nagar West Ext., Chennai

Project: “Marimo”

Name of the Guide Teachers: Mrs.M.Kalaiselvi



Runners up - I

Team

1. **Ms. Adira Chatnath** – Class: VII
2. **Ms. Hasini Thota** – Class: VI

School: Pallavi Model School, Alwal City, Near Father Baliah Nagar, Secunderabad, Telangana

Project: “Automatic Water Irrigating system

Name of the Guide Teacher: Mrs. Pavithra



Runner up - II

Team

1. **Ms. Vibha K Bhat** – Class: VIII

School: Shriniketana School, Isloor PO, Sirsi, Karnataka

Project: Reducing the Carbon Footprint through Innovative Cooking Vessels.

Name of the Guide Teacher: Mr. K L Bhat

KVRSS - CCMB SPARK Innovation Awards

2020

Winner

Team

1. **Mr. N Shiva Aadhireyan** – Class: IX

School: Jindal Vidya Mandir, JVM, Vidyanagar, Toranagallu, Ballari District, Karnataka

Project: Bioplastics

Name of the Guide Teacher: Dr. C Natarajan



Runner up - I:

Team

1. **Mr. P S S Manikanta** – Class: VIII

School: St. Joseph's English School, 41/144-1, N.R.Peta, Kurnool, Andhra Pradesh

Project: Bio-adsorbent

Name of the Guide Teachers: Mrs. Seetha Lakshmi



Runners up-II:

Team

1. **Ms. Deepa Pal** - Class VII
2. **Mr. Kashyap SM** - Class VII
3. **Ms. Zaina Malak** - Class VII

School: Presidency School, CA-4, HMT Layout, R T Nagar, Bangalore

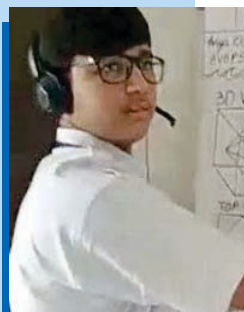
Project: Filter by Green

Name of the Guide Teacher: Mrs. Reethu Singh



KVRSS - GANITAM MATH Fair Awards

2020

**Winners****Mr. Aarya Bharty, Mr. Pranshu Suman & Mr. Naman Talwar**

Class: IX

School : Bharatiya Vidya Bhavan, Jubilee Hills, Hyderabad, Telangana

Project Title : "Mysterious Octahedron"

Guide Teacher : Mrs. Shoba K

The Work : The project explains the octahedron's volume, its relation to the cube, and the derivation of the formula for the relationship

**Runners up - I****Mr. S. Hari Srinivasan & Mr. J. Sujan**

Class: VII

School : DAV Boys Senior Secondary School, Chennai, Tamilnadu

Project Title : "Tick Tac Toe"

Guide Teacher : Mrs. S. Padma Priya

The Work : Two variations of traditional Tic-Tac-Toe game was used to explain the concept of Commutative & Associative Properties through addition for both "Whole Numbers" & "Integers".

**Runners up - II****Mr. Amartya Varahala, Mr. C. Akshay Sharma & Mr. G.B. Aryan**

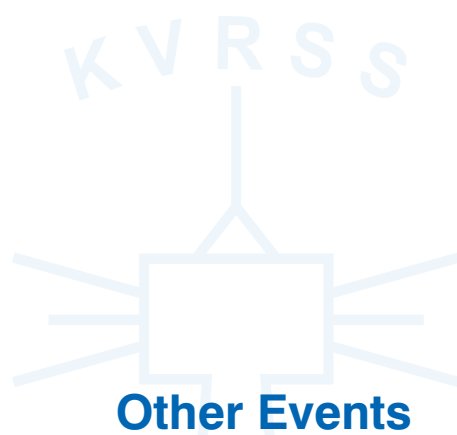
Class: VIII

School : St Pauls High School, Hyderguda, Hyderabad, Telangana

Project : "The Brachistocrone slope"

Guide Teacher: Mrs. R. Padmaja

The Work : Explained the Brachistochrone curve, the curve of the fastest descent and showed its applications in roller coasters and space transportation



Other Events

- ◆ Math Quiz
- ◆ Science Debates



Math Quiz

- ◆ Conducted in 2012
- ◆ To commemorate 125th birth anniversary of Srinivasan Ramanujan on December 22, which was declared as National Mathematics Day
- ◆ Students of classes 8 to 12 from schools of Hyderabad participated

Math Quiz Awards

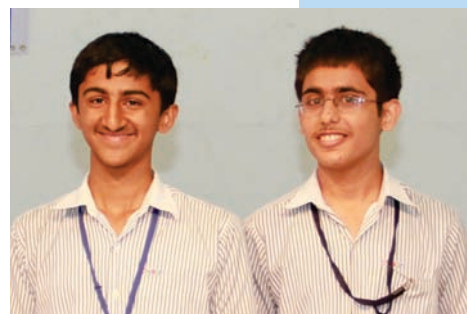
2013

Winners

Team

1. **Mr. Harsha Vattam**
2. **Mr. Chetan Vuppulury**

School: CHIREC Public School, Kondapur, Hyderabad, Telangana



Runners up - I

Team

1. **Mr. Anshuman Kartik Ramachandran**
2. **Mr. Mandar Milind Schoni**

School: CHIREC Public School, Kondapur, Hyderabad, Telangana



Runners up - II

Team

1. **Mr. KVS Lokesh**
2. **Mr. Divyansh Pitti**

School: Chinmaya Vidyalaya, Begumpet, Hyderabad, Telangana





Science Debates

- ◆ Conducted in 2015
- ◆ For students of classes 9 to 11 from schools of Hyderabad

Science Debate – Best Speaker

Winner

Mr. K Nikhil Kumar

School: Sherwood Public School Petbasheerbad,
Jeedimetla, Hyderabad, Telangana



Runner up - I

Ms. Anindhya Jha

School: Sherwood Public School Petbasheerbad,
Jeedimetla, Hyderabad, Telangana



Science Debate – Team Awardees

Winners

Ms. Anindhya Jha & Mr. K Nikhil Kumar

School: Sherwood Public School Petbasheerbad,
Jeedimetla, Hyderabad, Telangana



Runners up - I

Mr. Anjan Srihari & Mr. S Abhinav

School: Future Kids School, Puppal Guda,
Rajendranagar, Hyderabad, Telangana





Eminent Supervisor Awards

- ◆ Started in 2015
- ◆ For Research Supervisors under whom at least 4 students have won KVRSS Research Award

Prof. T.P Radhakrishnan

Organisation: Senior Scientist, School of Chemistry, University of Hyderabad.

Research Interests: Molecular Materials which includes

- Design and synthesis of novel molecules of materials interest
- Molecular crystals, nanocrystals and nanoparticles Molecular ultrathin films; Langmuir-Blodgett films
- Polymer-metal nanocomposite thin films
- Optical, nonlinear optical and opto-electronic materials, structure-function correlations

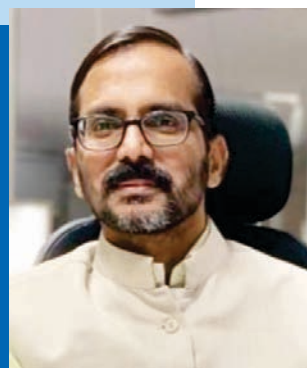
**Education:**

- Postgraduation in Science from IIT-Madras
- Postgraduation in Arts from Princeton University
- PhD from Princeton University in 1987.

Experience:

- Post-doctoral fellow at University of Texas
- Scientist at IIT Madras
- University of Hyderabad in 1989
- Awards and Honours:
- Swarnajayanti Fellowship of Department of Science & Technology (1998 - 2003)
- Bronze Medal of the Chemical Research Society of India (2002)
- Fellow of the Indian Academy of Sciences (2004)
- Ramanna Fellowship of the Department of Science and Technology (2008 - 2011)
- Fellow of the Indian National Science Academy (2010)
- Fellow of the A P Akademi of Sciences (2010)
- J. C. Bose National Fellowship (2011)
- Silver Medal of the Chemical Research Society of India (2012)
- Fellow of the National Academy of Sciences (2012)
- Academician (Fellow) of the Asia-Pacific Academy of Materials (2013)

Seven students from his groups have been the recipients of Young Scientist awards from our Society as on date and are working in reputed organisations in India and abroad



Dr. G. Bhanu Prakash Reddy

Organisation: Senior Scientist in ICMR-National Institution of Nutrition, Hyderabad

Research Interests:

- Molecular nutrition of age-related diseases

Education:

- Post graduation from Osmania university
- PhD from Osmania University

Experience:

- Post-doctoral Fellow, Indian Institute of Science, Bangalore
- Post-doctoral Fellow, Case Western Reserve University, Cleveland, USA
- Scientist G, NIN

Awards & Honours:

- Fellow, Royal Society of Chemistry (London, UK) – 2019
- Founding Fellow, Telangana Academy of Sciences, India – 2015
- Gates Foundation Global Health Travel Award – 2015
- Eminent Research Supervisor Award by Dr. KV Rao Scientific Society – 2015
- Fellow, AP Akademi of Sciences, India – 2012
- ICMR-Basanti Devi Amir Chand Prize – 2010
- Scopus India Young Scientist Award (Medicine) – 2008
- Fellow, National Academy of Sciences, India – 2006
- ICMR Dr. V. N. Patwardhan Prize – 2002
- Young Scientist Award, Nutrition Society of India – 1994
- **Associate Editor:** Journal of Food Science & Technology
- **Subject Editor:** Proceedings of National Academy of Sciences, India
- Regional Coordinator, Telangana Academy of Sciences (2015-)
- Member, Board of Governors, NIPER, Hyderabad (2019-22)
- Member, Scientific Panel on Functional Food and Nutraceuticals, Food Safety and Standards Authority of India-FSSAI (2017-19)

Four students from his groups have been the recipients of Young Scientist awards from our Society as on date and are working in reputed organisations in India and abroad.

Prof. D. Narayana Rao**Organisation:** Professor, School of Physics, University of Hyderabad**Research Interests:**

- Photonics Crystal Structures
- Femtosecond supercontinuum generation
- Local Field Effects in Dielectric Media
- Optical Limiting and Switching in Nano Materials
- Semiconductor quantum dots
- Singular optics and Spectroscopy

**Education:**

- Masters from Sri Venkateswara University
- PhD from I.I.T, Kanpur, 1978

Experience:

- Scientist, IIT Kanpur
- IIT, Delhi
- State University of New York at Buffalo
- University of Massachusetts, USA
- Reader, University of Hyderabad, 1990

Honours:

- UGC BSR Faculty Fellow in the School of Physics, University of Hyderabad
- CSIR Fellow
- NRC (USA) Fellow
- Raja Ramanna Fellow, University of Hyderabad
- Convenor for the National Laser Symposium, HCU, 1998
- Convener, 8th International Conference on Photonics,
- Fiber-Optics & Optoelectronics, 2006, University of Hyderabad

Five of his students among those who applied from his group have won awards from our Society



Prof. Rajadurai Chandrasekhar

Organisation: Professor, School of Chemistry, University of Hyderabad and Assistant Director, R&D (Sciences & Engg.), Institution of Eminence Directorate, University of Hyderabad

Research Interests:

Theme - Optical Energy Management in Functional Molecular Nano/Micro-Scale Photonic Solids

Interests:

- Synthesis and Self-assembly of Organic/Polymer Nano/Micro Particles and Crystals
- Non-Linear Optical Properties of Nano-Assemblies and Crystals
- Single Particle (FL/Raman) Spectroscopy/Microscopy (Waveguides, Modulators, Photonic Cavities, Lasers)
- 2D and 3D Lithography Techniques – Arrays, Dots, Spikes, Pixels
- Micromanipulation using Atomic Force Microscopy for Mechano-photonics.

Education:

- M.Tech in Materials Science & Engineering from IIT-Delhi
- PhD from Max Planck Institute for Polymer Research, Germany

Experience:

- Post-doctoral fellow, Institute of Nanotechnology and Institute for Inorganic Chemistry, Karlsruhe institute of Technology Germany
- Lecturer, Sri Ramakrishna Mission Vidyalaya College of Arts & Sciences, Bharatiar University, Coimbatore
- Head, International Max Planck Partner Group at UoH
- Joined UoH, School of Chemistry, University of Hyderabad in 2008,

Awards & Honours:

- Member, Hall of Fame, Adv. Opt. Mater, Germany-2020.
- Fellow of the Royal Society of Chemistry (FRSC) – London -2018
- Fellow of Optical Society of India (FOSI) - 2016
- Dr. K. V. Rao Science Society – Eminent Supervisor Award - 2016
- YIM Boston Young Scientist Award for contribution to Materials Science, MIT, Boston, USA.-2013
- Winner of Invention Cash Prize from Intellectual Ventures Ltd. for the 4D Imaging technologies.-2009
- Member, Editorial Advisory Board, Material Advances Journal, Royal Society of Chemistry International, UK - 2020

Four of his students among those who applied from his group have won awards from our Society



Our Vision & Mission

Vision
(Friendship with Science)
Promotion and Popularization of Science
at all levels of education in India

- Encourage innovation, creativity, talent and scientific temper in the young minds, research scholars with competitive spirit by conducting programs of high standards with scientific / professional approach.
- Encourage, Enable scalability of selected projects. Setting of Science Laboratories for observing, conduct of experiments, concept learning and mentoring.
- Collaborate with Scientific Institutions and Universities for providing opportunity and exposure to the State of Art Science Facilities and interaction with Scientists.
- Develop and assist in developing fully equipped State of Art Research Centre, Science School, College, Science Museum with latest technologies of International Standard for work towards solutions of Society and Industry related issues.
- Promote Science and recognize talent at Research Level by Assist Doctoral / Post-Doctoral Students, undertake programs for advancement of research in basic sciences, recognize research supervisors' contribution for advancement of science.

Mission

- To conduct science online quiz and spark Innovation programs for school children across south India and in the next three years across All India.
- To conduct young scientists' program for all students who are pursuing doctorate or post doctorate fellowship research below 30 years of age across south India and in the next two years across All India
- To conduct school talent program for school children in association with regional office of DST in the States of Telangana and Andhra Pradesh.
- To conduct independently or in collaboration Online Programs for school children with projects in math, physical and biological sciences on chosen topics across South India.
- To create science teachers club for interactive sessions and recognising talent, innovation and creativity.
- To establish / set-up science labs, science museum independently or in collaboration for enabling observation and conduct of science experiments
- To encourage selected projects for scalability in association with research institutions, industries, universities, scientists.
- To assist research at doctoral / post-doctoral Students programs for advancement of research in basic sciences.



About Dr. K. V. Rao (Kolluri Venkateswara Rao)

Dr. K. V. Rao was born in Pithapuram in the State of Andhra Pradesh on 21st March 1920. He had his Bachelors education at Government Arts College, Rajahmundry. He did his post-graduation in Chemistry and research for his D.Sc. degree at the Banaras Hindu University under Prof. S. S. Joshi. He was awarded Doctorate in the year 1947. He carried out investigations on a new light effect (Joshi effect) and the nature of "Active Nitrogen", an intermediary in the synthesis of Ammonia.

Dr Rao's active Scientific career started in 1947. He worked in the Department of Mines and Geology in the erst while Nizam State (1947 – 1952) and in the Geological Survey of India (1952-1978). He organized the Chemical Laboratory of the Department of Mines and Geology, Hyderabad into a full-fledged unit capable of handling diverse modes of analysis. He planned and developed the Regional labs of Geological Survey of India in its Southern and Western Regions. His major role was in planning and developing regional labs and supervision. He organized field and mobile units for rapid analysis at numerous places. His research interests included studies in geochemistry and archeological chemistry and developing rapid methods of geo-chemical analysis.

Dr Rao's work in the Department of Mines in the Nizam State and later in the GSI related to the chemical analysis of diverse Geological materials and the Geochemistry of rocks, ores, water, etc.

Dr Rao was deputed briefly at the US Geological Survey in 1958 under the scientific exchange program between the Govt of India and USA.

Dr. Rao's research contributions are many and are on various subjects. Thus, throughout his scientific career, Dr. Rao's work was splendid by any measure. Some of his major works are mentioned in the following paragraphs.

Most important of them was his work on fluoride bearing waters in A.P., Rajasthan and Gujarat and the work related to incidence of fluorosis, defluoridation of natural waters by Serpentine (a naturally occurring mineral rejected as waste in asbestos mines), designing community defluoridation plants and portable family kits in fluorosis endemic villages. It was found that serpentine was capable of taking up large quantities of fluoride in aqueous solutions.

He realized that defluoridation properties of Serpentine had the potential to treat fluorosis and he engaged with a cross section of scientists and medical

professionals to have an inter disciplinary approach to the problem. His defluoridation work influenced medical specialists to successfully use serpentine as a medicine for the treatment of human fluorosis for which no medicine was known till then. Dr. K. J. R. Murthy is one of those pioneering physicians who did this work. Under Dr. Rao's influence, work on fluorosis has been carried out in many scientific departments leading to the organisation of a multidisciplinary International "Symposium on Fluorosis" in 1974.

His other works include:

Geochemical mapping of Godavari river from its origin in Nasik to point of confluence with the Bay of Bengal at Antarvedi in Andhra Pradesh. The focus of the investigation on the Geochemistry of the Godavari river basin to locate the mineralisation sources. This study led to many other studies on quality of river basins and confined areas in subsequent years. Another Geochemical study was done on the Lonar Lake deposits in Buldhana district of Maharashtra to find out the cause of its high salinity.

His research included investigations on the up take and release of trace elements by plants from stand point of their capacity to selectively enrich certain elements and also act as scavengers. The extraordinary capacity of water hyacinth not only to act as a scavenger for some metals but also to take up fluoride in large quantities was recorded.

After retirement from GSI on superannuation, Dr. Rao joined Birla group on invitation from them to start and establish the Birla Archeological and Cultural Research Institute (BACRI) in 1978. His works involved preservation of old / heritage monuments. After seven years of active research, he retired in 1985.

Dr Rao's work in Birla Archeological and Cultural Research Institute was stupendous. He started a research lab from scratch for chemical analysis of complex archeological materials. His studies covered many archeological materials such as stone sculptures, wooden carvings & frames, temple bells, palm leaf books, metallic coins, dating the period of archeological excavations using bone ash obtained from archeological excavations. He studied the effect of SO_2 and NO_x on marble environmental pollution on Taj Mahal, Charminar, etc. and weathering profiles and preservation of monuments. Gomateswara Statue at Sravana Belgola (Karnataka), Buddhist monuments in Sankaram, Madhukeswara Temple at Mukhalingam, Thousand Pillar Temple at Hanumakonda, the famous Ramappa Temple near Warangal are some such monuments studied. His old Geologist friends collaborated with him in these later studies.

After his retirement from BACRI he was interested in the environmental problems in and around Hyderabad and devoted all his time in trying to find solutions for them.

He was a member of many societies and organisations which include:

American Chemical Society, Indian Geoscience Association, Indian Society of Engineering, Indian Science Congress, Hyderabad Science Association and Ceramics Research Committee

He was the editor of Geology Section of Telugu Encyclopedia.

He participated in many National and International Conferences and was joint convener of International Symposium on Fluorosis. He not only published papers in Indian and International journals of repute but started publication of a bulletin and later journal of Archeological Chemistry.

He started a news-letter titled “Hyderabad Science News-letter” to create awareness about the latest trends in Science and discuss some of the latest research topics. This newsletter was circulated on a monthly basis for nearly a decade in the 1960s.

His parents migrated from Pithapuram in Andhra Pradesh to Hyderabad. Dr Rao's father was man of strong aspirations and he ensured that all siblings were educated and well settled before he himself took study of Law and started his practice. Being the only son, he had to take up family responsibilities and clear the family debts when he started his career. He had to ensure his work and personal life balance was maintained. His issues at home were never reflected in his work / research. He worked with passion and commitment and with absolute honesty. He was stickler for rules and highly disciplined and humane in his approach to his colleagues and staff.

Apart from his scientific research he had deep interest in philosophy, English and Telugu literature and Astrology. He was attracted to the teachings of Indian philosopher Jiddu Krishnamurthi. He attended some talks by Jiddu Krishnamurti in January 1974 and his interest in JK's teachings made him start a club by name “Listener's Club” with the objectives to provide a forum/avenue for the interested citizens of twin cities to hear his talks and his discussions with the well-known scientists and intellectuals.

He had a great understanding & knowledge of Astrology and used to have an intuitive spirit and analysis of the calculations. However, he confined his study to

some relatives and friends only and never used as a commercial process even though he had the divine gift to predict accurately and correctly.

He had immense liking for English and Telugu literature and his passion for reading reflected in his humorous ways to communicate depending upon the situation – quoting the sayings of great writers,

He had faith in the divine / almighty and extremely positive about any situation. His philosophical interests perhaps helped to have a positive and optimistic view of life.

His personal life has been a very simple one and with down-to-earth thought process. He ensured all his seven children got the best of education. His wife has been an immense support to him, even though she hailed from a rich family she managed with the meagre resources at home.

As a person he was highly respected among all his colleagues, relatives and friends. Many of them used to meet him for his sound advice. His knowledge and interest in varied subjects enabled many to have fruitful discussions on various issues.

Dr. K. V. Rao left for heavenly abode on 27th January 2002 one year after the formation of Dr. K.V. Rao Scientific Society.



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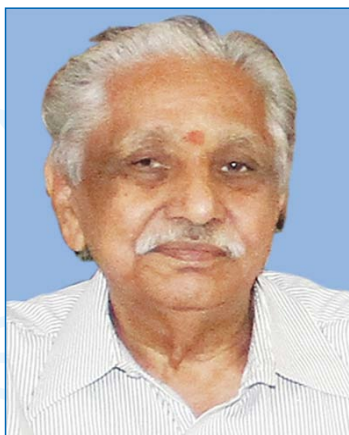


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