

## **REPORT OF ORGANISING SECRETARY**

The National Seminar on the Theme of “Forays of Nanotechnology research into Multidisciplines” is organized by the Department of Physics & Chemistry with the objective of providing a platform for Academicians, Policy Makers, Researchers and Students to discuss the various trends and challenges that recently emerged in the field of Nanotechnology with special emphasis on research into multi-disciplines to arrive at a better conclusion based on the different articles submitted by the participants through different modes in the seminar.

We received 74 papers in all from Students, Research Scholars and Faculty members of different places. We are very glad to have our Honourable Regional Joint Director of Collegiate Education as the Chief Guest and prof D.L.Sastry as Guest of Honour for our inaugural session. We are very thankful to Regional Joint Director of Collegiate Education sir for extending his cooperation and support in developing this college as a potential knowledge hub to the villages nearby. His presence gave us immense pleasure.

Prof. D. L. Sastry Professor of Physics (Retd) Andhra University, Visakhapatnam addressed the students and explained the scope of Research in Nano Technology in different disciplines. He spoke about the present research that is going on in the field of Nano Technology. Students are requested to follow his guidance to become good Researchers. He reiterated the need of further research for students to grow as good scientists.

Dr. Dr. M. Kishore Kumar, Ph.D., Scientist-F, IGCAR, Kalpakkam spoke about the research that is going on Nanotechnology in IGCAR and the rapid strides made by India in adopting the recent trends and developments in the field of Research. He presented a paper on The near field optical properties of InN Nanostructures. He also spoke about the challenges that are encountered by the Scientists.

Technical session I was chaired by Dr RamachandraRao.K Associate Professor Govt College (A) Rajamahendravaram. The Rapporteur of this session was Sri BH. S. V. V. N. Satyamurthy, Lecturer in Physics Govt Degree College, Ravulapalem. .

After lunch session in Technical Session II Dr .Ch. Srinivas Associate professor, Sasi Institute of Technology & Engineering Tadepalligudem gave a presentation on Study of

Magnetic behaviour in Co-Precipitated Ni-Zn Ferrite Nano particles and their potential use for Gas sensor application Technical Session-II was chaired by Dr. M.V.K.Meher Professor P.R.Govt college(A) Kakinada and Dr. T. Srivaram was the Rapporteur of the Technical Session-II. Nearly 15 Papers were presented in this session. Dr K. Jyothi, Professor of Physics P.R.Govt College Kakinada and Dr.L.Dasaratha rao Asst Professor of Physics IIT Srikakulam acted as Judges

For Poster presentations, Dr Vanukuru Srinivasa Rao Prof in Physics Government Degree college, Rampachodavaram, and Dr S Ramakrishna Asst Professor in Chemistry Adikavi nannaya University Rajamahendravaram acted as Judges.

On the second day, in Technical session III, Dr B Sridhar , Scientist F, IICT, Hyderabad gave a invited speech on nanoengineered materials - synthesis, characterisation and Catalytic applications

Dr Ravindra Babu K Asst.Proffesor Govt College (a) Rajamahendravaram acted as chairperson and Smt N.Suneetha Government Degree College, Ravulapalem as rapporteur for Technical session III

In Technical session IV, Dr. Promod H Borse Scientist -F ARCI, Hyderabad gave a invited lecture on Material nanostructuring for engineering applications –a race towards efficient materials In this session the Chairperson was Dr B Mallikarjuna Professor in Chemistry Government College (A) Rajamahendravaram and rapporteur is Smt A Rajeswari Government Degree College, Ravulapalem

In Technical session V, the invited speaker Prof K Raghavendra Rao, Dean R&D, Dean Physical Sciences, Sri Krishnadevaraya University , Ananthapuramu gave a talk on Role of Nanoscience in the development of technology. Chairperson is Dr L Dasaradha Rao Asst Professor of Physics IIT Srikakulam, and rapporteur is Dr K Srinivasa Rao Government Degree College, Ravulapalem

After lunch Break, in Technical session VI, Dr. P. Brahmanandam Professor of Physics, Sri Vishnu College of Engineering , Bhimavaram presented a paper title “nanocomposites and their potential applications in space - A review. Charperson for this session is Dr Vanukuru Srinivasa Rao, Principal Government Degree College, Rampachodavaram and rapporteur is Sri V Venkateswara Rao

For Oral presentations Dr M Syam Bab Principal (FAC) Government Degree College, Tadepalligudem and Dr Sanjeev Asst.Professor of Physics Govt College (A) Rajamahendravaram acted as judges and for Poster presentations Dr B. Madhav of Government College (A) , Rajamahendravaram and Smt B.Durgalakshmi of SCIM Government College, Tanuku acted as Judges.

Many participants from different institutions gave paper presentations and poster presentations and a panel of judges selected best three paper presentations and three poster presentations.

In the valedictory session Dr. B.V. Tirupanyam Ph.D., Principal of this college acted as Chairperson. and Prof. Ganga Rao Battu, Ph.D., Registrar of Adikavi Nannaya University is the Chief Guest. Dr. Promod H Borse Scientist -F ARCI, Hyderabad is invited as Guest of Honour. and other guests are Dr. B. Jaganmohan Reddy Ph.D., assistant professor of Chemistry, Adikavi Nannaya University, Dr. M. Syam Bab Ph.D., Principal, Government Degree College, Tadepalligudem were also on the dias. Prizes were distributed to the best Oral Presentations and Best Poster presentations. Guests are honoured with Mementos.

Coming to the outcome, I am very glad to say that this seminar gave an opportunity to students, Research Scholars and Faculty members to improve their skills and research activity. It helped them to explore the topic, share their ideas, learn from experience and knowledge of other participants. Finally the participants, Resource Persons and Executive Committee come to the following conclusions.

1. There is a wide scope for development of Research in Nano-Technology.
2. There must be optimum utilization of Nano-Technology in various sectors.



FONAREM-2020

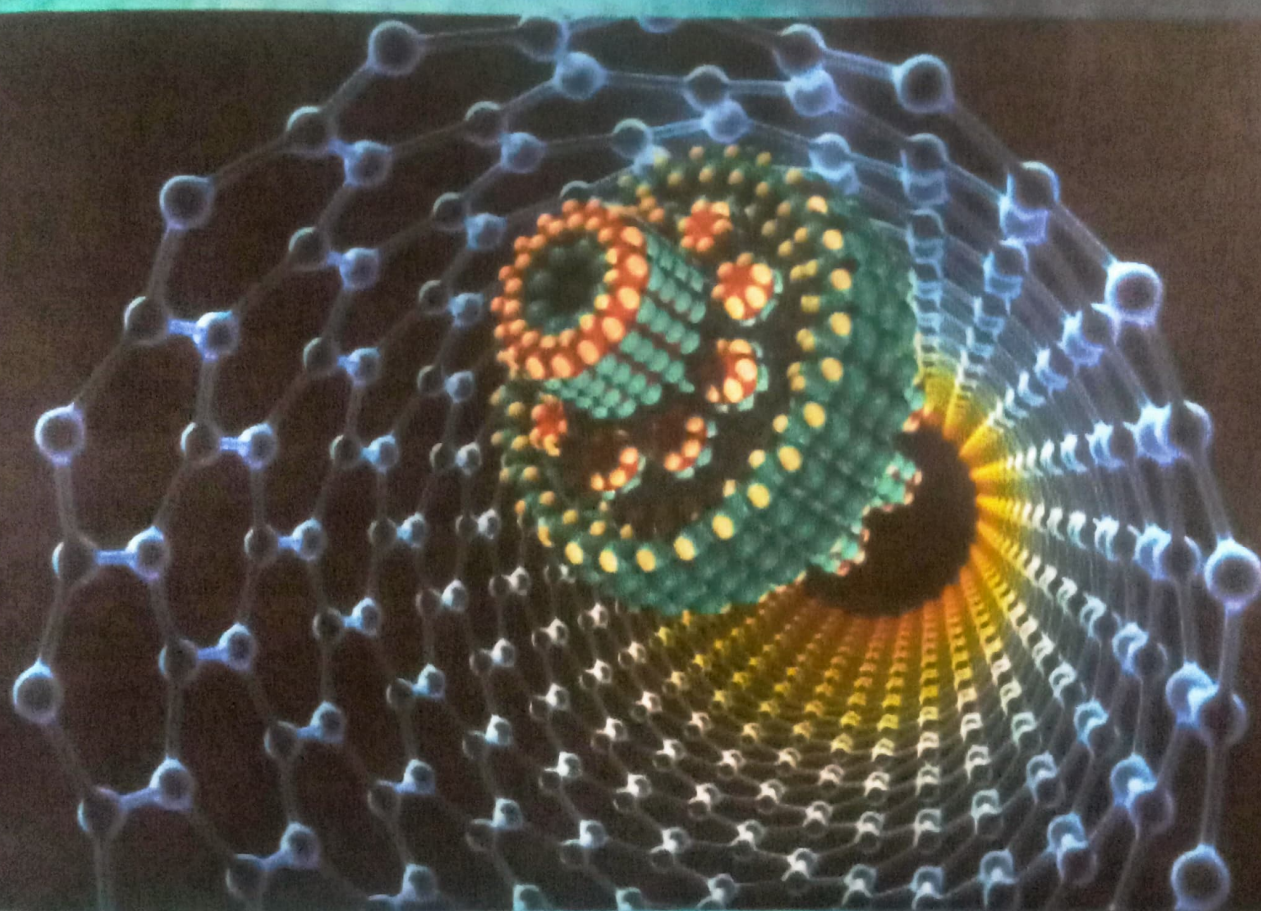


National conference  
on

# Forays of Nanotechnology Research into Multidisciplines

(FONAREM-2020)

3-4 March 2020



Organized by

Departments of Physics & Chemistry  
**GOVERNMENT DEGREE COLLEGE**

(Affiliated to Adikavi Nannayya University, Rajamahendravaram)

**RAVULAPALEM**

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