

And they said...

“Science knows no country, because knowledge belongs to humanity, and is the torch which illuminates the world. Science is the highest personification of the nation because that nation will remain the first which carries the furthest the works of thought and intelligence.”

- Louis Pasteur

“Since new developments are the products of a creative mind, we must therefore stimulate and encourage that type of mind in every way possible.”

- Alfred Bernhard Nobel

“The important thing is not to stop questioning, not to stop research.”

- Albert Einstein

“Nothing in life is to be feared, it is only to be understood. Now is the time to understand more, so that we may fear less. ”

- Marie Curie

“A scientist shouldn't be asked to judge the economic and moral value of his work. All we should ask the scientist to do is find the truth-and then not keep it from anyone.”

- Arthur Kornberg

“The noblest exercise of the mind within doors, and most befitting a person of quality, is study.”

- William Ramsay



Dr.K.V.Rao Scientific Society

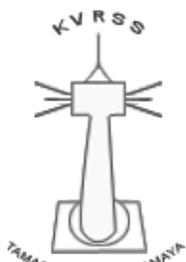
8-2-293/82/A/431/A, Road No. 22, Jubilee Hills, Hyderabad – 500 033

Contact No: 9959444933, E-mail: drkvraoss@gmail.com,

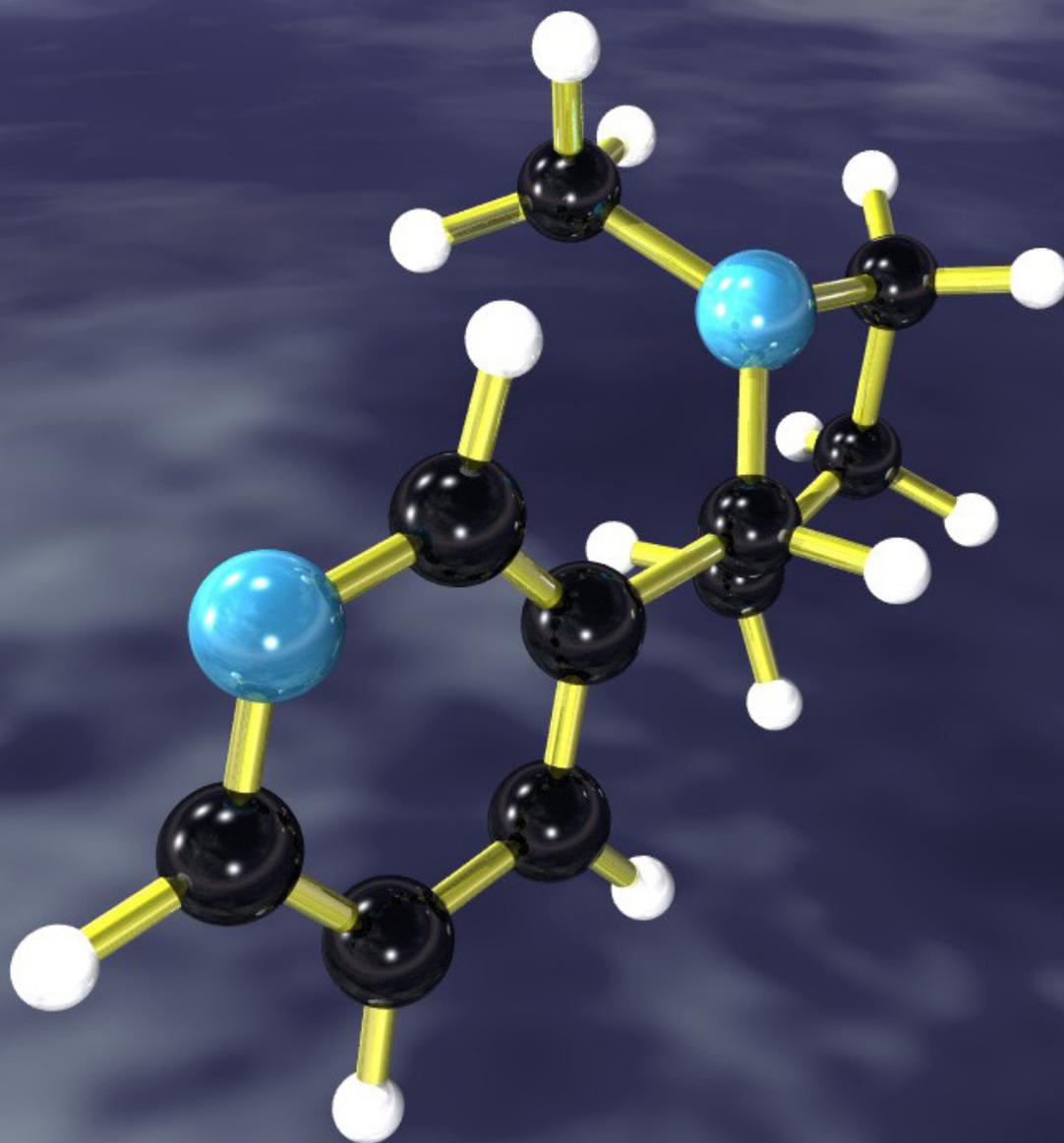
For Quiz Events: drkvraoss.quiz@gmail.com

For Community: www.community.kvrss.com

Website: www.kvrss.com



Dr. K.V. RAO SCIENTIFIC SOCIETY



Annual Report 2010 - 2011

About the Society

Dr.K.V.Rao Scientific Society was formed in 2001 in honour of Dr.K.V.Rao, who retired as Superintendent Chemist from Geological Survey of India. The basic ideology of the Society is to develop scientific temper and nurture it at various levels of education from schools to universities as Dr. Rao had envisioned.

The Society seems to be proceeding in the right direction towards achieving Dr.Rao's vision as seen from the students' response to the various programmes organized by our Society.

Also with the Government recognizing the need for imparting thrust to science education and announcing different initiatives in this direction only shows that the Society is in the right path.

With the completion of ten years of recognizing scientific talent among students, we feel it is time the Society develops into an institution where

good scientific work can also be done. Towards this the Society has embarked on new initiatives like setting up laboratories, participating in media programmes, taking up research activities, to name a few and hopes to establish itself as an organization par excellence in scientific activities.



Late. Dr. K .V. Rao

Annual Science Awards 2010-2011

The awards are being given in these categories:

1. **Young Scientist Awards**
2. **School Science Quiz Awards**
3. **School Talent Awards**
4. **Annual Memorial Oration Award**

1) Young Scientist Awards

The awards are presented to young scientists from various branches of basic sciences every year. The award carries a cash award of Rs. 20,000 and a trophy for the winner and Rs.10,000 cash award and trophies to the runners-up in each category. One Special award in each category is presented to candidates participating from outside the twin cities of Hyderabad and Secunderabad. Subject to the recommendation by the panel of judges. The selected candidates receive a cash award of Rs. 10,000 and a trophy.

2) Science Quiz Awards

Science quiz was successfully conducted in four major cities of Andhra Pradesh and the finals at Hyderabad. The winner sat zonal competitions were

Hyderabad: Mr. Nikhil Nayak & Mr. K V S Lokesh, Bharatiya Vidya Bhavan's Public School

Visakhapatnam: Mr. V S P Abhishek & Mr. R Krishnam, Nalanda Talent School

Vijayawada: Mr. P Karthikeya & Mr. R N V Datta, V P S Public School

Tirupati: Mr. R. Avinash & Mr. B. Karthik Reddy, Bhasyam Public School

The concept of Science Quiz by the Society is unique in that it follows a pattern wherein the knowledge of the students in science is tested in various ways. All the zonal winners participated in the written (the teams were given topics to choose from select ones and asked to write their perspective), presentation (a presentation on scientific evolution was made and questions posed) and analysis rounds (where experiments were described and question related to the experiments were asked). Six teams were **selected for the decisive phase, which saw a great performance from the winning team from the Little Flowers School, Abids.**

At the Finals at Hyderabad:

The Winners :

**Mr. Syed Murtuza Hashmi &
Mr. Sai Shasank Reddy,**
Little Flower High School,
Abids, Hyderabad.

The Runners up :

**Mr. Nikhil Nayak &
Mr. K V S Lokesh,**
Bharatiya Vidya Bhavan's Public School,
Jubilee Hills, Hyderabad.



3) School Talent Awards

In co-ordination with APCOST, the Society conducts an interactive programme for school children of Andhra Pradesh. A panel of eminent educationists interacts with these children and selects a few projects for awards at the annual function. The selected candidates are presented with a merit certificate a trophy each and a scholarship of Rs 5,000 per annum. Thirty Students from various districts of Andhra Pradesh participated in this program every year.

The awardees for the year 2010-2011 are:



Kum. Ch. Santi Angel

VP & GSM High School,
Suryapally, Guntur.

Kum. P. Sruthi

Zilla Parishad High School,
Rajapuram, Srikakulam.

Master Y. Manideep

D A V Public School,
Anakapally, Visakhapatnam.

Kum. B. Divya

Zilla Parishad High School,
Sangam, SPS Nellore District

Kum. G. Harika

Zilla Parishad High School,
Konapur, Nizamabad.

Kum. B. Pavani

L R G Aided High School,
Prasannayanpalli, Anantapur.

4) Annual Memorial Oration Award

Every year the Dr. K.V.Rao Annual Memorial Oration is presented by an eminent scientist in his/her area of research. This year the oration will be presented by Dr. J.S. Yadav, Director, ICT, Hyderabad.

This year, a memorial oration in honour of Dr. K.J.R. Murthy will be presented by Prof. A.K Susheela, Executive Director, Fluoride Research & Rural Development foundation, Delhi.

Our initiatives this year

International Conference of Mathematicians (ICM)

It is a pleasure to state that the Society was invited to be part of the organizing committee in arranging for the Public Lectures during ICM held in August, 2010 in Hyderabad.



Science Experiments series on MAA Juniors

MAA TV recently launched a new channel for kids called MAA Juniors and one of the programmes aired on it is "EUREKA, the cool science", a programme based on science principles explained with easy to do experiments. The content for the programme is being provided by the technical team of the Society.



Science Laboratories

The Society is planning to start science laboratories including mobile laboratories from the coming academic session. The work is on and various aspects are actively pursued.

Research Projects

The Society is planning to take up research projects in science which are socially relevant. Towards this the Society is in talks with some institutions and organizations to identify the areas of work to be undertaken.

“ **The laws of physics and chemistry must be the same in a crucible as in the larger laboratory of Nature.** ”
- Alfred Harker

Tribute

Late. Dr. K.J.R. Murthy, (1939-2011), Secretary, Dr. K.V. Rao Scientific Society.



Dr. K.J.R. Murthy was born on 19th October 1939 to parents Late Dr. K.S.N. Murty and Late K. Kamala Devi.

He obtained M.B.B.S. degree from Gandhi Medical College, Osmania University, Hyderabad. He then completed M.D. in Internal Medicine from Guntur Medical College.

He started his career as Civil Assistant Surgeon, Andhra Pradesh Medical Services, India in 1965 and merit on to become the Director of Bhagwan Mahavir Hospital and Research Centre, Hyderabad in 1995; and continued in the post till his last breathe. He had a distinguished research career & worked in the areas of AIDS, Tuberculosis & Malaria.

Research Highlights:

He worked in Research project for Private Public Mix in neighborhood DOTS in collaboration with Administrative Staff College sponsored by WHO, Geneva which earned him high accolades. He has been a recipient of a number of awards for his research work including personal audience with former President of U.S.A. Mr. Bill Clinton during his visit to India.

Association with KVRSS

Dr. K.V.Rao Scientific Society wishes to place on record the help and guidance provided by Dr. Murthy in formulating the Society and give it a direction in all its activities and it would not be improper to say that the Society is what it is due to the guidance of Dr. Murthy.

He was a very warm person and encouraged all in their endeavors. He was a person of integrity, intelligence and many looked up to him for guidance. He achieved an iconic status among his family, friends and associates.

He left for the heavenly abode on February 25, 2011 after a prolonged illness.

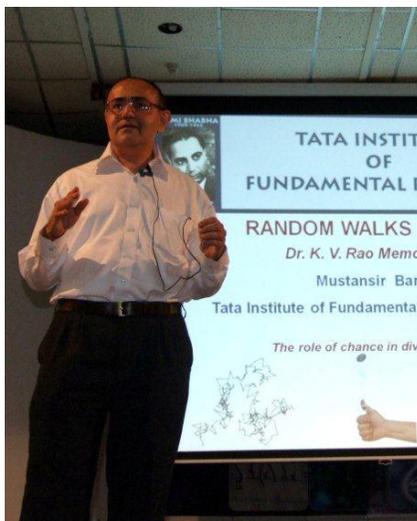
All the members of The Society join in expressing their deep anguish at the loss and....

Recap 2009-2010

Memorial Oration by Prof. Mustansir Barma, Director, TIFR

Prof. Barma presented the 10th Dr. K.V.Rao Memorial Oration during the annual function of the Society on "Random Walks in Science"

He talked about how the element of chance plays a crucial role in many situations in science, as in everyday life. The random walk – the movement of an indecisive individual – is a simple model that underlies many different phenomena. The talk discussed the history of the random walk, some of its aspects, and some applications in physics, chemistry, mathematics, and everyday life.



Young Scientist Awardees 2009-2010

PHYSICS



K L N Deepak
Winner
School of Physics,
University of Hyderabad,
Hyderabad.



Y. Kalyana Lakshmi
1 st Runner up
Dept. of Physics,
Osmania University,
Hyderabad.



M Anil Kumar
2 nd Runner up
School of Physics,
University of Hyderabad,
Hyderabad.

CHEMISTRY AND ALLIED SCIENCE



G G K S N Kumar
Winner
Indian Institute of Chemical
Techonology,
Hyderabad.



Mr. K Rajesh
1 st Runner up
School of Chemistry,
University of Hyderabad,
Hyderabad.



M. Vasavi
2 nd Runner up
Nizam College,
Osmania University,
Hyderabad.



Veeranki Nagavani
Special Awardee (Out Station)
Andhra University,
Visakhapatnam.

BIOLOGICAL SCIENCE



Yatender Kumar
Winner
Centre for Cellular & Molecular
Biology,
Hyderabad.



Charitha Gangadharan
1 st Runner up
Centre for DNA Finger printing &
Diagnostics,
Hyderabad.



S. Aarti Iyer
2 nd Runner up
Department of Bio Chemistry,
University of Hyderabad,
Hyderabad.



M. Srinivasulu
Special Awardee (Out - Station)
Sri Krishnadevaraya University,
Anantapur.

MATHEMATICS



Ali Akbar K
Winner
Dept. of Maths & Statistics,
University of Hyderabad,
Hyderabad.

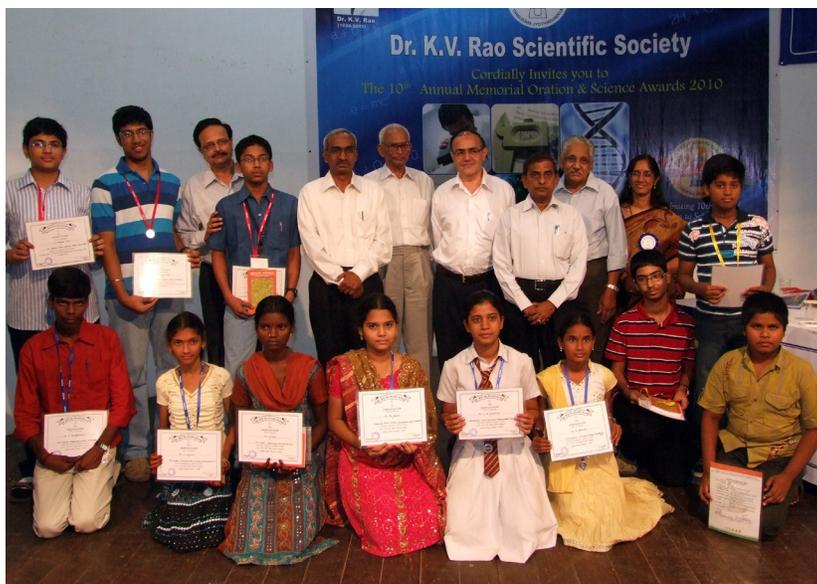


Debarjoyti Choudhuri
Runner up
Dept. of Maths & Statistics,
University of Hyderabad,
Hyderabad.



Kiran Kumar Gurubilli
Special Awardee (Out - Station)
Andhra University, Visakhapatnam.

School Talent Awards 2009-2010



Kum. S. Chandini

Z P H School, Thampata palli
Srikakulam

Kum. U. Sri Saahithya

Bharatiya Vidya Bhavan
BHEL, Hyderabad

Kum. A. Bharathi

Z P H School, Pittlam, Nizamabad

Kum. J. Jyothi

Z P School
Musunuru, SPS Nellore District

Kum. Md. Ayesha

Kakatiya Merit School, Bhimavaram,
West Godavari

Master E. Ramakrishna

ZPH School, Marriguda, Nalgonda

Inventions Awardees 2009-2010

A competition on identifying the most revolutionary scientific inventions saw students explaining why they thought the invention to be revolutionary. The awardees were:

WINNER

Sai Drurva Mandala,

Chinmaya School, Hyderabad

RUNNER

Pranav Nuti

Jubilee Hills Public School , Hyderabad

S. Sanjay Reddy

Johnson Grammar School, Hyderabad



Seminar on Research in India

A panel of eminent scientists and educationists from the twin cities of Hyderabad got together to discuss on "Scientific Research in India – Achievements and Future Perspectives".

Some of the salient points that emerged during the discussions are:

Interaction and collaboration between universities and research institutions needs to be enhanced through combined research projects and use of facilities which in turn enhances the quality of research output in our country.

All the people at Universities should work with one goal, to excel as a centre of learning and funding should be on par with research organizations to help them create an educated community properly stimulated to work on the futuristic ideas.

Impose regulatory mechanisms to check the funding-research activities. Any program not meeting its obligation for public good should be discontinued.

Transparent performance yardsticks, recognition and rewarding encourages and inspires the students.

Periodic review of performance (of both students and supervisors) should be done seriously to enhance the quality of work.

The society proposes to conduct more such seminars in the future.