

The Faculty and Students of  
**Department of Physics and Nanotechnology**  
**SRM Institute of Science and Technology**  
Cordially invite you to the inaugural function of



**National Physicists' Conclave 2024**  
[A Premier Gathering of Indian Physicists]

Organized by  
**Department of Physics and Nanotechnology**  
Co-sponsored by  
**Defence Research and Development Organization (DRDO)**  
**Indian Science Congress Association (ISCA) Chennai Chapter**  
**Applied Physics Letters (AIP Publishing)**

**In association with**

Indian Institute of Science, Bangalore  
Indian Institute of Technology Bombay  
Indian Institute of Technology Hyderabad  
Indian Institute of Technology Tirupati  
Indian Institute of Technology Palakkad  
Indian Institute of Science Education and Research Tirupati  
Indian Ceramic Society  
The Asian Consortium on Computational Materials Science (ACCMS)  
Asian Office of Aerospace Research and Development (AOARD)  
Innovation, Science & Technology Foundation - Tirupati (ISTF-T)  
Indian Physics Association (IPA)  
Materials Research Society of India (MRSI)

**Prof. Umesh V Waghmare**  
President, Indian Academy of Sciences  
has kindly accepted to deliver the Inaugural Address

**Prof. C. Muthamizhchelvan**  
Vice Chancellor, SRMIST  
has kindly accepted to deliver the Presidential Address and Releases the Conclave Souvenir

**SRMIST**



A++



Category 1  
with 12B Status



(2023)  
Ranked 18<sup>th</sup> University



(2024) World Ranking  
one among 45 Indian Universities



(2023) World Ranking  
one among 75 Indian Universities



VERY GOOD  
QS 4 Star Rated Globally



(2022) World Ranking  
one among 14 Indian Universities

# INAUGURAL PROGRAMME

- 9.30 am : **Invocation and Lighting of Kuthuvilakku**
- 9.35 am : **Dr. Kiran Mangalampalli**  
Welcome & About the Conclave Convener, NPC 2024
- 9.45 am : **Prof. C. Muthamizhchelvan**  
Presidential Address & Vice Chancellor, SRMIST  
Release of Conclave Souvenir
- 10.00 am : **Chief Guest**  
Felicitation of Guests **Prof. Umesh V Waghmare**  
President, Indian Academy of Sciences  
**Guest(s) of Honor**
- : Prof. G. Baskaran  
IMSc Chennai, IITM Chennai, Perimeter Institute
- : Prof. Sriram Ramaswamy, FRS  
IISc Bangalore
- : 'Padma Shri' Prof. Rohini Godbole  
IISc Bangalore
- : Prof. Annapurni Subramaniam  
Director, IIAP Bangalore
- : Prof. S. M. Yusuf  
Director, Physics Group, BARC Mumbai  
President, Indian Physics Association
- : Prof. Soumitro Banerjee  
Director, IISER Kolkata
- : Prof. V. Ravindran  
Director, IMSc Chennai
- : Prof. Gautam Bhattacharyya  
Director, SINP Kolkata
- : Prof. Krishnan Baskar  
Director, IIIT Senapati, Manipur
- : Prof. Chandan Dasgupta  
ICTS Bangalore
- 10.10 am : **Prof. Umesh V Waghmare**  
Inaugural Address President, Indian Academy of Sciences
- 10.35 am : **Prof. P. Malar**  
Vote of Thanks Co-convenor, NPC 2024
- 10.40 am : **National Anthem**

## National Physicists' Conclave 2024

### Invited Speakers

Prof. Sriram Ramaswamy, FRS, Indian Institute of Science, Bangalore  
'Padma Shri' Prof. Rohini Godbole, Indian Institute of Science, Bangalore  
Prof. G. Baskaran, The Institute of Mathematical Sciences, IIT Madras and Perimeter Institute  
Prof. V. Balakrishnan, IIT Madras, Chennai  
Prof. Umesh V Waghmare, President, Indian Academy of Sciences & JNCASR, Bangalore  
Prof. Chandan Dasgupta, International Center for Theoretical Sciences, Bangalore  
Prof. Prajval Shastri, Raman Research Institute, Bangalore  
Prof. S. M. Yusuf, Bhabha Atomic Research Centre, Mumbai  
Prof. V. Ramgopal Rao, Vice Chancellor, BITS Group  
Prof. Annapurni Subramaniam, Director, Indian Institute of Astrophysics, Bangalore  
Prof. Gautam Bhattacharyya, Director, Saha Institute of Nuclear Physics, Kolkata  
Prof. Dipankar Banerjee, Director, Aryabhata Research Institute of Observational Sciences, Nainital  
Prof. Achanta Venugopal, Director, CSIR-National Physics Laboratory, New Delhi  
Prof. Chandrabhas Narayana, Director, Rajiv Gandhi Center for Biotechnology, Tiruvananthapuram  
Prof. V. Ravindran, Director, IMSc, Chennai  
Prof. Soumitro Banerjee, Director, IISER Kolkata  
Prof. Arindam Ghosh, Indian Institute of Science, Bangalore  
Prof. Srikanth Sastry, JNCASR, Bangalore  
Prof. Sudeshna Sinha, IISER Mohali  
Prof. Sanjay Puri, Jawaharlal Nehru University, New Delhi  
Prof. K. S. Narayan, JNCASR, Bangalore  
Prof. D. Narayana Rao, University of Hyderabad, Hyderabad  
Prof. Aninda Sinha, Indian Institute of Science, Bangalore  
Prof. Mandar Deshmukh, Tata Institute of Fundamental Research, Mumbai  
Prof. Nirmalya Ghosh, IISER Kolkata  
Prof. Shobhana Narasimhan, JNCASR, Bangalore  
Prof. Kalobaran Maiti, Tata Institute of Fundamental Research, Mumbai  
Prof. Kanishka Biswas, JNCASR, Bangalore  
Prof. Vijayamohanan K Pillai, IISER Tirupati  
Prof. M. S. Ramachandra Rao, IIT Madras, Chennai  
Prof. Arul Lakshminarayan, IIT Madras, Chennai  
Prof. P. S. Anil Kumar, Indian Institute of Science, Bangalore  
Prof. Neelima M. Gupte, IIT Madras, Chennai  
Prof. Vivek Polshettiwar, Tata Institute of Fundamental Research, Mumbai  
Prof. Anjan Barman, S.N. Bose National Center for Basic Sciences, Kolkata  
Prof. M. Lakshmanan, Bharathidasan University, Tiruchirappalli  
Prof. Soma Venugopal Rao, University of Hyderabad, Hyderabad  
Prof. Ambarish Ghosh, Indian Institute of Science, Bangalore  
Prof. Rajesh Narayanan, IIT Madras, Chennai  
Prof. Urbasi Sinha, Raman Research Institute, Bangalore  
Prof. Saroj Kumar Nandi, Tata Institute of Fundamental Research, Hyderabad



Prof. Aavek Bid, Indian Institute of Science, Bangalore  
Prof. Sushil Mujumdar, Tata Institute of Fundamental Research, Mumbai  
Dr. K. G. Arun, Chennai Mathematical Institute, Chennai  
Prof. Parameswaran Ajith, International Centre for Theoretical Sciences, Bangalore  
Prof. Indra Dasgupta, Indian Association for the Cultivation of Science, Kolkata  
Prof. Subhash Thota, IIT Guwahati  
Prof. G. V. Pavan Kumar, IISER Pune  
Prof. Shantanu Desai, IIT Hyderabad  
Prof. Suryanarayana Jammalamadaka, IIT Hyderabad  
Prof. G. Ambika, IISER Thiruvananthapuram  
Prof. Shikha Varma, Institute of Physics, Bhubaneswar  
Prof. Subhro Bhattacharjee, International Centre for Theoretical Sciences, Bangalore  
Prof. S. Balakumar, University of Madras, Chennai  
Prof. K. C. James Raju, University of Hyderabad, Hyderabad  
Prof. Susanta Sinha Roy, Shiv Nadar University, Delhi NCR  
Prof. P. K. Giri, IIT Guwahati  
Prof. S. Srinath, University of Hyderabad, Hyderabad  
Prof. Abha Misra, Indian Institute of Science, Bangalore  
Prof. Sarika Maitra Bhattacharyya, CSIR National Chemical Laboratory Pune  
Prof. Sandip Dhara, Indira Gandhi Centre for Atomic Research, Kalpakkam  
Prof. V. Madhurima, Central University of Tamil Nadu, Tiruvarur  
Prof. Dibakar Roy Chowdhury, Mahindra University, Hyderabad  
Prof. Ranjit Thapa, SRM University AP, Amaravati  
Dr. Anindya Das, Indian Institute of Science, Bangalore  
Dr. Mayank Shrivastava, Indian Institute of Science, Bangalore  
Dr. Alankar Alankar, IIT Bombay, Mumbai  
Dr. Gopal Dixit, IIT Bombay, Mumbai  
Dr. Gautam Vivek Soni, Raman Research Institute, Bangalore  
Dr. Ragam Srinivasa Rao, CSIR National Physical Laboratory, New Delhi  
Dr. Sunita Srivastava, IIT Bombay, Mumbai  
Dr. Atindra Nath Pal, S.N. Bose National Center for Basic Sciences, Kolkata  
Dr. Gangineni Ramesh Babu, Pondicherry University, Pondicherry  
Dr. Sreetosh Goswami, Indian Institute of Science, Bangalore  
Dr. Vidya Kochat, IIT Kharagpur  
Dr. Chandrakala Meena, IISER Thiruvananthapuram  
Dr. Bibhu R Sarangi, IIT Palakkad  
Dr. Bhawna Gomber, University of Hyderabad, Hyderabad  
Dr. Snigdha Thakur, IISER Bhopal  
Dr. Ravi Kumar Pujala, IISER Tirupati  
Dr. Seema Sharma, IISER Pune  
Dr. Amarnath R. Allu, CSIR Central Glass & Ceramic Research Institute, Kolkata  
Dr. Abhay A Sagade, SRMIST, Chennai  
Dr. Saurabh Ghosh, SRMIST, Chennai  
Dr. Eswaraiyah Varria, SRMIST, Chennai

Dr. Rohit Dhir, SRMIST, Chennai  
Dr. Madhuparna Karmakar, SRMIST, Chennai  
Dr. Rajesh Nair, IIT Ropar  
Dr. Sanjeev K Varshney, Scientist G, Department of Science and Technology, Govt. of India  
Prof. Chandni U, Indian Institute of Science, Bangalore  
Dr. Suresh Perumal, IIT Hyderabad  
Dr. K. L. Ganapathi, NIT Kurukshetra  
Dr. Prakash Chandra Mondal, IIT Kanpur  
Dr. Mrinal Pal, CSIR-CGCRI, Kolkata  
Dr. Kasturi Saha, IIT Bombay  
Prof. Rajesh Kumar, IIT Indore  
Dr. Ashish Arora, IISER Pune  
Dr. Sitabhra Sinha, The Institute of Mathematical Sciences, Chennai  
Dr. Jayasri Dontabhaktuni, Mahindra University, Hyderabad  
Dr. Nilotpal Ghosh, Scientist F, SERB, Govt. of India  
Prof. Ranjith Padinhateeri, IIT Bombay, Mumbai  
Prof. Priya Johari, Shiv Nadar University, Delhi NCR  
Prof. Amrita Bhattacharya, IIT Bombay, Mumbai  
Prof. Prasanta K. Panigrahi, IISER Kolkata  
Prof. Rukmani Mohanta, University of Hyderabad, Hyderabad  
Prof. Poornendu Chaturvedi, SSPL, New Delhi

### VALEDICTORY PROGRAMME

|                                |  |
|--------------------------------|--|
| 4.30 pm<br>Welcome Note        | : <b>Prof. A. Karthigeyan</b> , Head<br>Department of Physics and Nanotechnology, SRMIST                   |
| 4.35 pm<br>Report on Conclave  | : <b>Dr. Preferencial Kala</b> , Co-convenor, NPC 2024<br>Department of Physics and Nanotechnology, SRMIST |
| 4.45 pm<br>Valedictory Address | : <b>Prof. Tata Narasinga Rao</b><br>Director, ARCI, Hyderabad   |
| 4.55 pm<br>Awards Distribution | : <b>Prof. Dipankar Banerjee</b><br>Director, ARIES, Nainital  |
|                                | : <b>Prof. John D. Thiruvadigal</b><br>Chairperson, School of Basic Sciences, SRMIST                       |
| 5.05 pm<br>Concluding Remarks  | <b>Prof. Shikha Varma</b><br>Institute of Physics, Bhubaneswar   |
| 5.20 pm<br>Vote of Thanks      | : <b>Dr. Arijit Sen</b><br>Co-convenor, NPC 2024<br>Department of Physics and Nanotechnology, SRMIST       |
| 5.25 pm                        | <b>National Anthem</b>   |

# PANEL DISCUSSION

## Physics and Technology Fusion: Shaping India's Innovation Landscape

"Harmonizing the Forces: Unveiling Synergies  
Between Physics and Technology for India's  
Innovation Horizon"

### PANELISTS



Prof. Rohini  
Godbole

Indian Institute of Science



Prof. Annapurni  
Subramaniam

Indian Institute of Astrophysics



Prof. Ganapathy  
Baskaran

MatScience, IIT and  
Perimeter Institute



Prof. Arindam  
Ghosh

Indian Institute of Science



Prof. Parameswaran  
Ajith

International Centre  
for Theoretical sciences



Prof. Mayank  
Srivastava

Indian Institute of Science



Dr. sankalp Singh  
Synopsis India

### Moderator



Mr. Pallava Bagla  
Science-Photo Journalist

Wednesday, 07 February 2024

Start At 12:00 noon

At Dr. T. P. Ganesan Auditorium  
SRM Institute of Science and Technology



# PANEL DISCUSSION

(Supported by **GENDER IN PHYSICS WORKING GROUP [GIPWG]**  
of the Indian Physics Association)

## Topic : "Indian Women In Science: Breaking Barriers"

### PANELISTS



Prof. Prajval Shastri  
Emeritus Professor  
RRI, BANGALORE



Prof. Shobhana  
Narasimhan  
JNCASR, BANGALORE



Prof. Urbasi Sinha  
RRI, BANGALORE



Prof. Ramakrishna  
Ramaswamy  
IIT DELHI



Prof. Rukmani  
Mohanta  
UOH, HYDERABAD



Prof. V. Madhurima  
CU, TAMIL NADU

### MODERATOR



Dr. Shubashree Desikan  
ASSOCIATE EDITOR  
IIT MADRAS SHAASTRA MAGAZINE

THURSDAY, 08 FEB, 2024

Start at 11:30 A.M  
DR. T. P. Ganesan Auditorium  
SRM IST, Chennai