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**Dr. Madhusudana Reddy M. B.**  
Head - Department of Chemical Sciences, SoAS,  
REVA University

### Organising Secretary

**Dr. D. V. Sunitha**  
Head - Department of Physical Sciences, SoAS,  
REVA University  
Mobile: +91 7760884884  
Email: sunitha.dv@reva.edu.in

### Organising Committee

- **Dr. Madesh Kumar**, Professor, Department of Physical Sciences
- **Dr. Dr. Rajavaram Ramaraghavulu**, Assistant Professor, Department of Physical Sciences

- **Dr. Ganesh Shridhar Hegde** Assistant Professor, Department of Physical Sciences
- **Dr. Nagaraju D.H**, Professor, Department of Chemical Sciences
- **Dr. Srinivas M**, Assistant Professor, Department of Chemical Sciences
- **Dr. Shivanna M**, Associate Professor, Department of Chemical Sciences
- **Dr. Senthilkumar R**, Associate Professor, Department of Biological Science
- **Mr. Prashantha CN**, Assistant Professor, Department of Biological Science
- **Dr. Damodhara Reddy**, Associate Professor, Department of Biological Science

### About REVA University

REVA University is a State Private University established in Karnataka State under the Government of Karnataka Act No. 13 in the year 2012 in Bengaluru, the IT capital of India. REVA University, recognised by the University Grants Commission (UGC) and approved by the All India Council for Technical Education (AICTE), has an A+ grade from NAAC.

REVA University prides itself in contributing to every student's holistic development. The University currently offers 38 full-time undergraduate programmes, 33 full-time postgraduate programmes, 20 PhD programmes, and certification and diploma programmes. The University offers programmes in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts. Courses are offered in Certificate/Diploma and Post Graduate Diploma too. REVA University facilitates research leading to a Doctoral Degree in all disciplines. The programmes offered by REVA University are well-planned and designed based on methodical analysis and research with emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance.



**REVA**  
UNIVERSITY

Bengaluru, India

## 4th International Conference on Global Trends in Sustainable Technology & its Applications in Applied Sciences (ICGTSTAS-2024)

24<sup>th</sup> to 25<sup>th</sup> October, 2024



**Organised by**  
**School of Applied Sciences**

**Venue: School of Applied Sciences, REVA  
University, Bangalore-560 064, Karnataka, India**

Rukmini Knowledge Park,  
Kattigenahalli, Yelahanka, Bengaluru-560064  
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Rukmini Educational  
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[www.reva.edu.in](http://www.reva.edu.in)



## National & International Advisory Committee

- Dr. Reji Philips, Professor, Raman Research Institute, Bengaluru
- Dr. Akshay Naik, Associate Professor, CeNSE, Indian Institute of Science, Bengaluru
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- Dr. Kumar Kothapalli Dell Medical School, The University of Texas at Austin, USA

- Dr. Dinesh Rangappa, Professor, Department of Applied Sciences, Nanotechnology, Visvesvaraya Technological University, Chikkaballapura, Karnataka, India

## About School of Applied Sciences

The School of Applied Sciences at REVA University is staffed by experienced faculty, equipped with state-of-the-art facilities like digital classrooms and laboratories. The academic atmosphere is serene, and the school collaborates with industries and research organizations to provide necessary skills. The goal is to develop a critical thinking community for innovative problem-solving. The school has published numerous peer-reviewed articles and received grants from funding agencies like DST, DBT, VGST, and ICMR.

## About the 4th International Conference

The School of Applied Sciences at REVA University is hosting the "Global trends in Sustainable Technology its Applications in Applied Sciences (ICGTSTAS-2024)" on October 24th and 25th, 2024. The conference aims to deliver outstanding outcomes and challenges in the Physical, Chemical, Biological, Medical, and Health Science sectors. It will bring together researchers, scientists, technicians, and scholars from all fields to discuss original research conclusions, new approaches, and developmental practices. The conference theme is "Global trends in Sustainable Technology its Applications in Applied Sciences (ICGTSTAS-2024)," aiming to provide an interdisciplinary platform for discussing recent innovations, trends, and practical challenges in Life Science, Chemical & Physical sciences, and Medial Sciences.

## Objectives of the 4<sup>th</sup> International Conference

- To provide an international forum to exchange information, share experiences and research results from various specialized and interdisciplinary fields in Applied and Medical sector.
- To bring academicians, leading researchers, scholars as well as innovative practitioners from industry, onto common platform to share research knowledge, skills, and insights into promoting research and innovations.
- To provide a platform for participants to establish professional networks in their respective fields and to enhance collaborative research.

## Conference Topics Physical Sciences

Laser Science and Technologies  
Nano and Bio Photonics  
Luminescence-Materials and Applications  
Carbon-based materials  
Radiation effect on materials  
Ceramics  
Dielectrics and Ferroelectric Materials  
Thin Films and Related Technologies  
Photovoltaic Materials and Cells  
Materials for space applications

## Biological Science

Microbial Technology  
Regenerative medicine and Stem  
Cell Biology  
Agricultural Biological Science  
Genetics and Molecular Biology  
Toxicology & Animal studies  
Immunology  
Developmental biology  
Genomics and Proteomics  
Biomedicine  
Infectious Diseases  
Biopharmaceutical and drug discovery  
Nano-Biological Science  
Cancer Biology and therapy  
Environmental bioremediation  
Antimicrobial peptides and therapies  
Vaccine development  
Computational Biology and Bioinformatics  
Molecular pharmacology  
Nanotechnology & Drug development  
Health and Disease Management

## Link of website

<https://nakc00l.github.io/ICGTSTAS-24/index.html>



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Ceramics  
Dielectrics and Ferroelectric Materials  
Thin Films and Related Technologies  
Photovoltaic Materials and Cells  
Materials for space applications

## Chemical Sciences

Green Chemical Sciences  
Total Synthesis  
Polymorphism  
Batteries  
Environment  
Self-Assembly  
Electro kinetics  
Reverse Osmosis  
Medicinal Chemical Sciences  
Crystallography  
Catalytic Materials for Energy  
Sensors  
Nanomaterials  
Polymer Chemical biology  
Organic Electronics  
Nano Filtration & Ultra Filtration membrane

## Keynote Speakers



**Harish Barshilia**

Chief Scientist and Head, Surface Engineering Division,  
CSIR - National Aerospace, IndiaPhysical Sciences



**P. D. Babu**

Scientist UGC-DAE  
CSR, Mumbai Centre, Maharastra



**Dr. Tharamani**

Professor & Head  
IIT -Ropar, Panjab



**E. Bhoje Gowd**

Senior Principal Scientist and Professor (AcSIR),  
CSIR-NIIST, Trivandrum, IndiaProf.

Dr. DVR. Saigopal, Founder Vice chancellor  
Cluster university, Kurnool, Andhra Pradesh



**Subba Rao Gangi Setty**

Professor, Dep. of Microbiology & Cell Biology  
Indian Institute of Science, Bangalore, Karnataka



**Prof. Dr. DVR Saigopal**

Founder Vice Chancellor  
Cluster University  
Kurnool, Andhra Pradesh



## Call for Abstract

Research abstracts, broadly within the scope of the conference thematic areas, written in English language (250 words), are solicited with the declaration of originality. Abstracts may be submitted electronically during the registration. Abstracts will be published in the conference compendium. The abstract proposal should explain the topic of your presentation, describe the research, practice, and outcomes. Abstract proposals will be evaluated through a blind peer review and selected abstracts will be considered for the conference compendium.

## Recognitions and Awards

The purpose of the Awards is to recognize and promote quality contributions to academic research and writing among scholars and students who present papers or posters at the ICGTSTAS-2024 conference. The awards are given to the three most outstanding researchers of the conference under the categories below.

- Best Student Paper Presentation Award
- Best Researcher Paper Presentation Award
- Best Student Poster Presentation Award
- Best Researcher Poster Presentation Award

## Important Dates

### Registration Open

1st August, 2024

### Abstract / Oral Presentation / Poster Submission

**Last date - 1st October, 2024**

### Confirmation of selected abstracts/Oral/Poster

10th October, 2024

### Last Date for registration

1st October, 2024

### Conference Date

24th & 25th October, 2024

## Conference Mode

The **ICGTSTAS-2024** Conference will be held in hybrid mode: online and offline in REVA. The authors of accepted papers will have a choice to present their papers on-line, or on site in REVA. All accepted papers, irrespective of the presentation mode, will be included in the conference proceedings released to all participants and submitted within a month after the conference through digitally.

## Registration details

- The conference is conducted online and offline mode.
- An online link will be shared with the registered participants on the day of the conference.
- If you are an oral presenter or a poster presenter, you should register as a delegate/student.
- If you are only participant, you should register as an attendee.
- The registration fee is based on your citizenship, not nationality.
- Please go through the following table before you register. We have structured a comprehensive price table for provide you with the best returns from the conference.
- E-Certificate will be provided to the online participants.
- Participants interested in online presentations will be provided with the link.
- The registration kit, food, high tea and certificate will be provided for all the registered participants.

## Registration and payment Link

[https://docs.google.com/forms/d/e/1FAIpQLSfTTRbGXoSDeZvBJ1jOtOa8VEgmFhlSFVqe6JCHJOYARAPkPw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfTTRbGXoSDeZvBJ1jOtOa8VEgmFhlSFVqe6JCHJOYARAPkPw/viewform?usp=sf_link)

### Refund option

If the registrant participant is unable to attend the conference, no refund option to any of the participant.

**Note:** The organizing committee is not responsible for any financial transactions with the participants. The payment towards your accommodation and travel should be borne by the participants. All expenses re pertaining to the accompanying person should also be borne by the participant.

## Accommodation Details

**Accommodation will be provided on a chargeable basis is available for participants.**

**For accommodation contact:**

### Chemical Sciences

**Dr. Srinivas M**

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### Physical Sciences

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### Biological Science

**Dr. Vivek Keshri, Assistant Professor**

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## For further details, please contact

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### Physical Sciences

**Dr. Ganesh Shridhar Hegde**

Ph : +91 8277049441 | [ganesh.hegde@reva.edu.in](mailto:ganesh.hegde@reva.edu.in)

## Conference registered participants Can Join WhatsApp Group



<https://chat.whatsapp.com/1alpbKoAuapLlyFsoXvt3c>



## Registration Fees

Participants from	Registration Fee (Non refundable)
Teaching/ Research Professional/ Research Scholars/JRFs/RA Student PG / UG Students	Rs. 2000 /-
Industry delegates	Rs. 3000/-
Foreign Faculty	150\$
Foreign Ph.D Scholars/Students	100\$

## Sponsors

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