

## Chief Patron

**Dr. P. Shyama Raju**  
Chancellor, REVA University  
**Mr. Umesh S Raju**  
Pro Chancellor, REVA University

## Patrons

**Dr. N Ramesh**  
Vice Chancellor (i/c), REVA University  
**Dr. K. S. Narayanaswamy**  
Registrar (I/C), REVA University

## Conveners

**Dr. Pasupuleti Visweswara Rao**  
FAPAS, FMSA Associate Dean, SoAS, Director,  
International Relations and Research  
Collaborations, REVA University

**Prof. Shilpa B. R.**  
Director (I/C), SoAS, REVA University

## Co-Conveners

**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. M. Madesh Kumar,**
- **Dr. Rajavaram Ramaraghavulu,**
- **Dr. Ganesh Shridhar Hegde**
- **Dr. Nagaraju D. H.**

- **Dr. Srinivas M.**
- **Dr. Shivanna M.**
- **Dr. Senthilkumar R.**
- **Mr. Prashantha C. N.**
- **Dr. Damodhara Reddy**

## About the 4<sup>th</sup> 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 Medical Sciences.



**REVA**  
UNIVERSITY  
Bengaluru, India

# 4<sup>th</sup> International Conference on Global Trends in Sustainable Technology and its Applications in Applied Sciences (ICGTSTAS-2024)

24<sup>th</sup> to 25<sup>th</sup> October, 2024 (Hybrid Mode)



Organised by  
**School of Applied Sciences**  
in collaboration with  
INTI International University

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



Rukmini Knowledge Park,  
Kattigenahalli, Yelahanka, Bengaluru-560064  
Phone: +91-80-4696 6966

Rukmini Educational  
Charitable Trust

[www.reva.edu.in](http://www.reva.edu.in)

## 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.

## National and International Advisory Committee

- Dr. Reji Philips, Professor, Raman Research Institute, Bengaluru, India
- Dr. Akshay Naik, Associate Professor, CeNSE, Indian Institute of Science, Bengaluru
- Dr. Girish Gowda Division Head, Thin Films Division Laboratory for Electro-Optics Systems (LEOS) ISRO, Dept. of Space, Govt. of India
- Dr. Chandrabhas Narayana, Director, Rajiv Gandhi Centre for Biotechnology, Thycaud P O, Thiruvananthapuram, India

- Prof. Jagadeesh, Rajenahally Group Leader "Synergy between Homogeneous and Heterogeneous Catalysis", Leibniz Institute for Catalysis, Rostock, Germany
- Dr. Pavan Kumar Senior Scientist, Chemical Sciences & IP, CSIR Institute
- Dr. Sanjeev P. Maradur Associate Professor, Materials Science Division, PPISR, Karnataka, India
- Dr. Arun Mohan Isloor, Professor & Head, Department of Chemical Sciences, National Institute of Technology-Karnataka, Surathkal, India
- Dr. Nellaiah Hariharan Head, R & D and Training, Bangalore Biotech Labs. Pvt. Ltd. (BIOZEEN) Bengaluru, Karnataka, India
- Dr. Shaik Althaf, Associate Professor, College of Science, King Saudi Arabia
- Prof. Sreeramanan Subramaniam, School of Biological Sciences & Centre for Chemical Biology (CCB), Universiti Sains Malaysia (USM), Penang, Malaysia
- Prof. Kondaiah, Emiretus Professor, Indian Institute of Sciences, (IISc), Bangalore, India
- 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, Karntataka, India
- Dr. Kumar Krishnan, Assoc. Professor Life Science Division, Faculty of Health and Life Sciences, INTI International University, Malaysia
- Dr. Ho Soon Min, Professor, Life Science Division, Faculty of Health and Life Sciences, INTI International University, Malaysia
- Ms. Emily Quek, Life Science Division, Faculty of Health and Life Sciences, INTI International University, Malaysia
- Dr. Rabi'atul Adawiyah Ahmad, Life Science Division, Faculty of Health and Life Sciences, INTI International University, Malaysia
- Ms. Leong Wai Ching, Life Science Division, Faculty of Health and Life Sciences, Malaysia

## 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 INTI International University

INTI International University stands as one of Malaysia's leading private universities, nestled within 82 acres of meticulously landscaped grounds in the bustling town of Putra Nilai, approximately an hour south of the capital city Kuala Lumpur. The university offers an ideal environment for academic growth, complete with state-of-the-art facilities and amenities. With a history spanning over 35 years, INTI International University & Colleges serves as a beacon of educational excellence, having produced over 86,000 graduates across its four campuses. Currently, the university and its colleges foster a vibrant community of over 13,000 local and international students, providing them with a dynamic, cross-cultural learning experience.

## 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

<b>Link of website</b>
<a href="https://nakc001.github.io/ICGTSTAS-24/index.html">https://nakc001.github.io/ICGTSTAS-24/index.html</a>
<b>Registration and payment Link</b>
<a href="https://docs.google.com/forms/d/e/1FAIpQLSfTTRbGXoSDeZvBJ1jOtOa8VEgmFh1SFVqe6JCHJOYARAPkPw/viewform?usp=sf_link">https://docs.google.com/forms/d/e/1FAIpQLSfTTRbGXoSDeZvBJ1jOtOa8VEgmFh1SFVqe6JCHJOYARAPkPw/viewform?usp=sf_link</a>
<b>Biotechnology</b>
<p>Microbial Technology            Regenerative medicine and Stem Cell Biology            Agricultural Biotechnology            Genetics and Molecular Biology            Toxicology &amp; Animal studies            Immunology            Developmental biology            Genomics and Proteomics            Biomedicine            Infectious Diseases            Biopharmaceutical and drug discovery            Nano-biotechnology            Cancer Biology and therapy            Environmental bioremediation            Antimicrobial peptides and therapies            Vaccine development            Computational Biology and Bioinformatics            Molecular pharmacology            Nanotechnology &amp; Drug development            Health and Disease Management</p>

<b>Chemical Sciences</b>
<p>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 &amp; Ultra Filtration membrane</p>
<b>Call for Abstract</b>
<p>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 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. Abstract format will be available in Conference website.</p>
<b>Recognitions and Awards</b>
<ul style="list-style-type: none"> <li>• Best Student Paper Presentation Award</li> <li>• Best Researcher Paper Presentation Award</li> <li>• Best Student Poster Presentation Award</li> <li>• Best Researcher Poster Presentation Award</li> </ul>

<b>Speakers</b>
<p><b>Dr. Lam Man Kee</b>            Professor, Chemical Engineering Department,            Universiti Teknologi PETRONAS</p>
<p><b>Prof. Pallu Redanna</b>            Chemical Sciences            Indian Institute of Science, Bangalore</p>
<p><b>Dr. Jayanthi Barasarathi</b>            Associate Professor, INTI International University,            Malaysia</p>
<p><b>Dr. G. Mugesh</b>            Professor, Chemical Sciences            Indian Institute of Science Bangalore</p>
<p><b>Dr. Dhandapani Perundurai</b>            Associate Professor and Scientist            Institute for Stem Cell Biology and Regenerative Medicine,            Bengaluru</p>
<p><b>Dr. Subba Rao Gangi Setty</b>            Professor, Dept. of Microbiology &amp; Cell Biology,            Indian Institute of Science, Bangalore</p>
<p><b>Dr. Harish Barshilia</b>            Chief Scientist and Head, Surface Engineering            Division            CSIR - National Aerospace, India</p>
<p><b>Dr. P D Babu</b>            Centre Director            UGC-DAE CSIR, Mumbai Centre</p>
<p><b>Dr. Tharamani</b>            Professor &amp; Head, Chemistry            IIT -Ropar</p>



### 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.

### Accommodation Details

#### Chemical Sciences

**Dr. Srinivas M.**

Ph : +91 9900447889 | [srinivas.m@rev.edu.in](mailto:srinivas.m@rev.edu.in)

#### Physical Sciences

**Dr. Rajavaram Ramaraghavulu**

Ph : +91 97049 19432 | [rajavaram.ramraghavulu@rev.edu.in](mailto:rajavaram.ramraghavulu@rev.edu.in)

#### Biological Science

**Dr. Vivek Keshri, Assistant Professor**

Ph : +91 9755806309 | [vivek\\_keshri@rev.edu.in](mailto:vivek_keshri@rev.edu.in)

### For further details, please contact

#### Biological Science

**Prof. Prashantha**

Ph : +91 9844158444 | [prashantha.cn@rev.edu.in](mailto:prashantha.cn@rev.edu.in)

#### Chemical Sciences

**Dr. Shivanna M.**

Ph : +91 9964556195 | [shivanna.m@rev.edu.in](mailto:shivanna.m@rev.edu.in)

#### Physical Sciences

**Dr. Ganesh Shridhar Hegde**

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

**Conference registered participants Can  
Join WhatsApp Group**

<https://chat.whatsapp.com/IalpbKoAuapLlyFsoXvt3c>



## Sponsors

S. No.	Sponsors	Logo
1	Raman Innolabs (Pvt Lmted)	
2	Venture Scientific (Pvt Lmted)	

## Media Partner



# 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\$

# Important Dates

Registration Open	1 <sup>st</sup> August, 2024
Abstract/ Oral Presentation/ Poster Submission Last date	15 <sup>th</sup> October, 2024
Confirmation of selected abstracts/Oral/Poster	15 <sup>th</sup> October, 2024
Last Date for registration	15 <sup>th</sup> October, 2024
Conference Date	24 <sup>th</sup> & 25th October, 2024