



4th International Conference on "Global Trends in sustainable technology and its application in Applied Sciences" on 24th and 25th of October 2024

organized by

School of Applied Sciences in collaboration with

INTI International University, Malaysia

SAN BEDA UNIVERSITY, Philippines

PUKYONG NATIONAL UNIVERSITY, South Korea











4th International Conference on

Global Trends in Sustainable Technology and its Applications in Applied Sciences (ICGTSTAS-2024)

Date: October 24th & 25th, 2024 (Hybrid Mode)

Organised by: REVA University | In collaboration with: INTI International University Malaysia, SAN BEDA University, Philippines, Pukyong National University, South Korea

Venue: School of Applied Sciences, REVA University

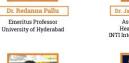
Keynote Speakers



Chemical Engineering Department



Emeritus Professor







Associate Professor Head of Life Sciences INTI International University,



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



Plenary Speaker

Professor & Head.







Center Director UGC-DAE, CSR Mumbai Centre, Maharashtra, India

Conference Themes

- 1. Physical Sciences: Laser Science, Nanomaterials, Photovoltaics, Space Materials, Thin Films, Ceramics.
- 2. Biological Sciences: Microbial Technology, Stem Cell Biology, Drug Discovery, Biopharmaceuticals, any other life science & agricultural Science
- 3. Chemical Sciences: Green Chemistry, Batteries, Polymorphism, Crystallography, Catalytic Materials, Nanomaterials.

Key Dates

- Abstract Submission Deadline: October 15th, 2024
- Registration Deadline: October 15th, 2024
- Conference Dates: October 24th & 25th, 2024

- Faculty/Researchers: ₹2000
- **Industry Delegates: ₹3000**
- International Faculty: \$150
- **International Students: \$100**

Recognitions & Awards

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

Call for Abstracts

Submit abstracts (max. 250 words) within the conference themes. Selected abstracts will be published in the compendium. Awards for best presentations and posters.

For further details, please contact

Biotechnology

Prof. Prashantha

Ph: +91 9844158444 | prashantha.cn@reva.edu.in

Chemical Sciences Dr. Shivanna M.

Ph: +91 9964556195 | shivanna.m@reva.edu.in

Physical Sciences

Dr. Ganesh Shridhar Hegde

Ph: +91 8277049441 | ganesh.hegde@reva.edu.in

Conference Website link

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

Registration & payment Link

https://docs.google.com/forms/d/e/1FAIpQLSfTTRbGXoSDeZvBJ1jO tOa8VEgmFhlSFVqe6JCHJOYARAPkPw/viewform?usp=sf_link





4th International Conference on

Global Trends in Sustainable Technology & its Applications in Applied Sciences (ICGTSTAS-2024)

Organised by

School of Applied Sciences, REVA University

in collaboration with

INTI International University, Malaysia SAN BEDA University, Philippines & Pukyong National University, South Korea

Date: October 24 & 25, 2024



Keynote Speaker & Chief Guest

Dr. Lam Man Kee

Professor, Chemical Engineering Department Universiti Teknologi PETRONAS, Malaysia

Plenary Speakers



Emeritus Professor University of Hyderabad,
Hyderabad, Andhra Pradesh



Dr. Jayanthi Barasarathi
Assosciate Professor,
INTI International University, Malaysia



Dr. G. Mugesh

Professor, Chemical Sciences
Indian Institute of Science, Bangalore



Dr. Dhandapany Perundurai Associate Professor & Scientist F, Institute for Stem Cell Biology & Regenerative Medicine, Bengaluru



Dr. Subba Rao Gangi Setty Professor, Dept. of Microbiology & Cell Biology, Indian Institute of Science, Bangalore



Dr. Harish C.
Barshilia, Chief Scientist and Head
Surface Engineering Division,
CSIR - National Aerospace, India



Dr. P. D. Babu Centre Director UGC-DAE CSIR, Mumbai Centre



Dr. Tharamani C. N.
Professor & Head, Chemistry
IIT -Ropar

Report:

4th International Conference on "Global Trends in sustainable technology and its application in Applied Sciences" on 24th and 25th of October 2024.

The 4th edition of International conference titled "Global Trends in sustainable technology and its application in Applied Sciences" was organized by School of Applied Sciences in collaboration with INTI International University, Malaysia, SAN BEDA UNIVERSITY, Philippines, PUKYONG NATIONAL UNIVERSITY, South Korea at REVA University on October 24th-25th 2024. The highlight of this event was the gracious presence of Excellency Dr. Lam Man Kee, Professor, Chemical Engineering Department, Universiti Teknologi PETRONAS as Chief Guest and Keynote Speaker of the inauguration event. Also, Prof. Pallu Redanna, Emeritus Professor, University of Hyderabad and Dr. Jayanti Barasarathi, Associate Professor, INTI University was Guests of Honour.







DAY ONE

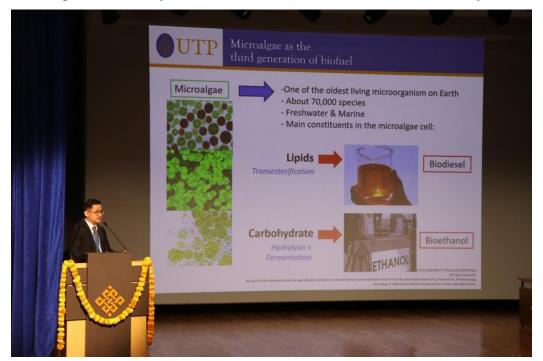
1. The registration of ICGTSTAS 2024 was started at 8:30 am. We received almost 150 participants and invited 9 dignitrates for the conference.



- 2. Inauguration (9:15 am to 9:45 am): Inauguration of ICGTSTAS 2024 was started at 9:15 am with a lighting of lamp by dignitaries Dr. Lam Man Kee, Dr. Pallu Reddanna, Dr. Jaylanthi Barasarathi, Dr. P V Rao and Prof. B R Shilpa at Chanakaya Auditorium. The session was welcomed by Miss Renuka Madhu, overview was given by Organizing secretary Dr Sunitha D V.
- 3. The ICGTSTAS 2024 was organized by School of Applied sciences, REVA University in collaboration with INTI International University, Malaysia, SAN BEDA UNIVERSITY, Philippines and PUKYONG NATIONAL UNIVERSITY, South Korea. The 2 days event began with planting a sapling and stone unveiling at the Centre of Excellence. This was followed by a grand opening ceremony at Chanakya Auditorium on the morning of 24th October. It was presided by Dr. Pasupuleti Visweswara Rao, FAPAS, FMSA Associate Dean, SoAS, Director, International Relations and Research Collaborations, REVA University. The inauguration also saw the presence of Ms. Shilpa BR.Director (I/C), SOAS, REVA University.



4. Keynote was addressed by Dr. Lee Man Kee regarding the potential challenges of micro algae at Chanakaya Auditorium. (9:45am to 10:45 am) Followed by tea break.



 The 1st plenary session was addressed by Dr. Pallu Reddanna on the topic of innovation and entrepreneurship ecosystem at educational institutions at Chanakaya Auditorium. (11:15am to 12:15 pm)







4th International Conference on

Global Trends in Sustainable Technology & its Applications in Applied Sciences (ICGTSTAS-2024)

Organised by School of Applied Sciences, REVA University
in collaboration with INTI International University, Malaysia, SAN BEDA University, Philippines &
Pukyong National University, South Korea

Date: October 24 & 25, 2024

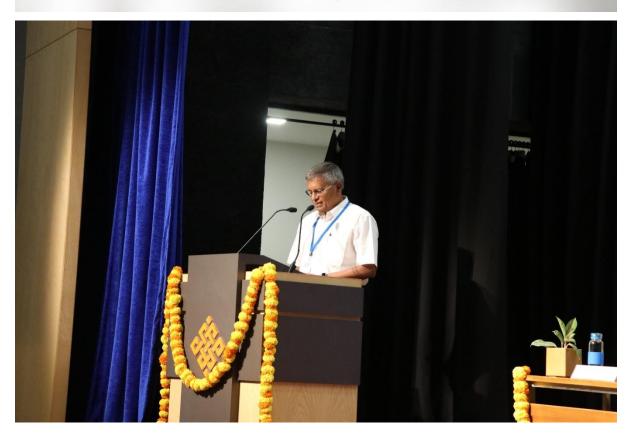
Plenary Speaker

Dr. Pallu Reddanna Emeritus Professor University of Hyderabad, Hyderabad, Andhra Pradesh

Titel: Innovation and entrepreneurship ecosystem at educational institutions: University of Hyderabad as a case study

Date: October 24, 2024 | Time: 11:15 AM to 12:15 PM

Venue: Chanakya Auditorium, RBS Block, REVA University



- 6. The LabIndia Instruments, Labechem A to Z, Raman Innolabs, Venture Scientific, Vasa Scientific and KamalJeeth Instruments were the respected sponsors for the event. LabIndia instruments have given presentation on their products at Chanakaya Auditorium.(12:15 pm to 12:25 pm)
- 7. The 2nd plenary session was addressed by Dr.Jaylanthi Barasarathi on the topic of degradation of HDPE and LDPE. Later the session was followed by lunch

break.(12:25 pm to 2:00 pm)

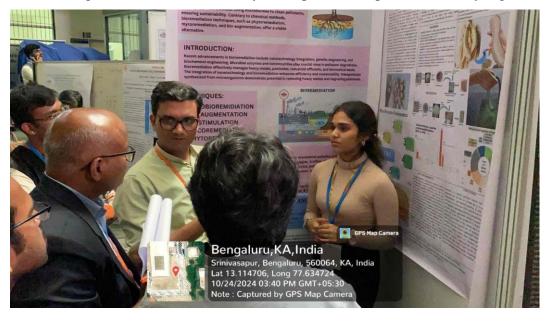




8. The 3rd plenary session was addressed by the Dr. Mugesh in an online mode under the topic of Halogen bonding in cell membrane transport at Chanakaya Auditorium. (2:00 pm to 3:00 pm)



9. Later the technical sessions such as oral, poster were done at respective departments and Rangasthala, REVA University (3:00 pm to 4:30 pm) followed by high tea.





DAY TWO

10. The parallel plenary talks of biological sciences and Physical and chemical sciences were organized where Dr.Dhandapany was a resource person for the topic on Discovery of new syndrome by integrating human molecular genetics at Junjappa hall. This talk was followed by Dr. Subba Rao Gangi Setty on the title of ER stress linking mitochondrial fission and turnover. (9:00 am to 10:00 am)





11. The Physics and chemistry plenary talk was organized in Dr. APJ Abdul Kalam hall where Dr. Harish Scientist NAL has given information on search of Facile and sustainable novel renewable energy materials. (10:00 am to 11:00 am) followed by tea break.



12. The remaining poster and oral presentation of the participants were conducted and followed by one more plenary talk by Dr. P D Babu on the topic of probing materials with mega science facilities in UGC DAE CSIR. The session was followed by lunch

(11:20 am to 12:45 pm) followed by lunch break.





13. The final plenary talk was addressed by Dr.Taramani C N on the title of designing greener energy conversion system for a sustainable future at Chanakaya Auditorium. (2:00 pm to 3:00 pm)





14. The ICGSTAS 2024 was concluded as a successful conference event with the Valedictory session in the presence of chief guest Dr. P D Babu and Dr. Taramani with an announcement of best poster and best oral presentation prizes for the winners at Chanakaya Auditorium. (3:00 pm to 4:00 pm)





