



Faculty of Engineering and
Technology

Faculty of Mathematical and
Physical Sciences



Department of Civil Engineering
and
Department of Chemistry
in Association with
Department of Mechanical and Manufacturing Engineering

organize

International Symposium

on



FUTURISTIC TRENDS IN SUSTAINABLE DEVELOPMENT

DATE: 29th & 30th July 2022

VENUE:

RAMAIAH UNIVERSITY OF APPLIED SCIENCES
RAMAIAH TECHNOLOGY CAMPUS
PEENYA, BENGALURU-560058

www.msruas.ac.in

ABOUT RUAS

Ramaiah University of Applied Sciences (RUAS), a state Private University aims to focus its programs on student centric higher education. Students can expect to experience an integrated approach to academic, research, training, real life problem solving and entrepreneurship. The University, at present, offers undergraduate, postgraduate and doctoral programs in Engineering and Technology, Art and Design, Management and Commerce, Hospitality Management and Catering Technology, Pharmacy, Dental Sciences, Mathematical and Physical Sciences and Life and Allied Health Sciences.

ABOUT THE SYMPOSIUM

Sustainable development is to meet the human progress and simultaneously sustaining the ability of natural systems to continue providing the natural resources on which the economy and society depend. As per UNESCO, Sustainable development is the development that meets the needs of the present generation without compromising the ability of future generations to meet their own needs. Engineering and Technology play a vital role in Sustainable development. As the effects of climate change and global warming become more apparent, innovative engineering solutions promote sustainable change and development.

Technology changes are essential to cater to the needs and wants of the society. In the field of Civil Engineering and Chemical sciences, technologies can have a long-lasting impact on our future and humanity's progress. Science and Engineering play vital role and are able to address the issues related to sustainable development within the context of modern environmental challenges developing techniques must be carefully nurtured to ensure a better quality of life for all.

Few of the Civil Engineering trends believed to contribute to a resilient and more sustainable world are Waste Management, Sustainable Construction Materials, Sustainable Environmental technologies, Zero Energy Buildings, Water Engineering for sustainable development and Planning, operation, design, management, and policy of sustainable transportation systems.

Chemical Sciences play a vital role in providing solutions to environmental issues. Today nanomaterials are being extensively researched for environmental remediation such as water and wastewater treatment, air pollution, soil pollution, etc. Some of the examples include TiO_2 based nanocomposites, ZnO based nanocomposites, and such semiconducting metal oxides are used in environmental remediation techniques such as Photocatalysis, Electrocatalysis, adsorption, etc. On other had polymeric materials, in particular, polymers and their composites derived from bio sources have shown potential to remediate threats to the environment. These materials are being used in the form of adsorbents, membranes, etc. in treating the environmental pollution.

THEME OF THE SYMPOSIUM

The various themes of the Symposium proposed are:

1. Opportunities and Challenges for Sustainable Water and Waste management
2. Sustainable structural systems, building design and structural materials
3. Sustainable transport and urban planning, construction materials and technologies
4. Recent trends in Traffic Safety and Importance of Road Safety audit in India.
5. Materials for Sustainable Environmental Remediation.

SPEAKERS:



Achintya Bezbaruah, Ph.D.
Gehrts Presidential Professor of
Environmental Engineering
North Dakota State University



Prof. A. B. Gupta
Professor,
Department of Civil Engineering,
MNIT Jaipur



Dr. H.V. Manjunatha
General Manager
(Administration)
MRPL-ONGC



Prof. Ashish Verma
Professor, Transportation Systems
Engg. (TSE)
Convener, IISc Sustainable
Transportation Lab (IST Lab.)



Dr Pratima Singh
Research Scientist
Domain Lead – Air Pollution
Center for Study of Science,
Technology and Policy (CSTEP)



Ar. Kiriti Sahoo
Fellow & Area Convener
Sustainable Buildings-SRC,
The Energy and Resources
Institute - Southern Regional
Centre



Capt. Ganesh Karnik,
Ex Serviceman, Indian Army &
Mentor Swacch Mangaluru Abhiyan



Dr. P. Parthasarathy
B.Tech., M.S.(Ch.E), PhD,
E-Parisaraa Pvt.Ltd.
Surface Chem Finishers



Mr. Ranjan Bellarpady
Executive Director,
Mangala Resource Management
Pvt. Ltd

HOW TO REGISTER:

- Registration fees including GST: Rs 2000 for Delegates from industry
Rs 1000 for Academicians
Rs 500 for Students
\$ 50 for International Delegates [online]
- Registration fees to be paid online
- Confirmation will be sent to the registered E-mail
- Last date for registration: 25th July 2022
- Registration form for the international Symposium

<https://forms.gle/xRh7C3hV8qLYVtQ47>

ACCOUNT DETAILS FOR REGISTRATION:

Account Name : M. S. Ramaiah University of Applied Sciences,
Peenya campus

Account Type : Savings Account

Account Number : 914010033410657

IFSC : UTIB0000559

Bank & Branch : Axis Bank, Rajajinagar, Bengaluru

GST No : 29AADAM2496AIZN

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FACULTY OF ENGINEERING AND TECHNOLOGY
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