



UNITED NATIONS DECADE ON  
**ECOSYSTEM  
RESTORATION**  
2021-2030



**LiFE**  
Lifestyle for  
Environment

National Conference  
on

**ENVIRONMENT, WATER, AGRICULTURE,  
SUSTAINABILITY AND HEALTH (EWASH-2024):  
INTEGRATED INDIGENOUS TECHNOLOGICAL  
ADVANCEMENT FOR ATMANIRBHAR BHARAT**

**13-14 DECEMBER 2024**

**Department of Applied Sciences  
Visvesvaraya Technological University  
Muddenahalli, Chikkaballapur – 562101, Karnataka, India**

Organized by



**Department of Applied Sciences  
Visvesvaraya Technological University  
Muddenahalli, Chikkaballapur - 562101**



**Damodar Academy of Scientific  
&  
Educational Research, New Delhi**



**Save The Environment  
Kolkata / Gurugram**

## Overview of EWASH-2024

Constant technology development has made life easier on a global scale; however, health challenges and anthropogenic pressures on environment (water, air and soil) have increased continually. In this kind of scenario, implementing remedial measures at a personal level, e.g. planting trees, opting for public transport, spreading awareness in neighborhood, etc. has to be compulsorily practised. At a larger scale, control measures for vehicular emissions, protocols for discharge of untreated wastewater into water bodies, encouraging use of organic fertilizers and pesticides for crop production have to be duly followed.

EWASH 2024 aims to be a successful colloquium for productive brainstorming amongst environmental scientists, academicians, experts, industry personnel, policymakers and young researchers to discuss all about the aforesaid measures and how we can contribute maximally to approach an environment-friendly and greener future.

### Benefits of EWASH-2024

The conference will offer a collaborative platform to build upon research endeavours and interdisciplinary deliberations to address various challenges pertaining to 'EWASH'. The conference shall include erudite keynote lectures, oral talks, and poster presentations for the audience to derive maximum benefits from the annual meet.

### Theme of EWASH-2024

The main theme of the annual conference has been set as strategizing a greener future with following sub themes:

#### Sub themes:

1. **Biotechnological Advancement in Sustainable Technology**
2. **Biological treatment of Sewage & Waste Water**
3. **Microplastics in Water**
4. **Biodegradable Plastic Waste**
5. **Biotechnology and Health**
6. **Water and wastewater management**
7. **Smart technologies and use of AI for water conservation**
8. **Transformative technology for water harvesting**
9. **SDG for environment: managing climate change**
10. **Application of modern technologies for agriculture development**
11. **Nanotechnology for cleaner water and greener earth**
12. **Assessment of implementation of existing environmental policies and the need for amended or new policies**
13. **Geodiversity assessment and its impact on environmental factors**
14. **Economics for environmental development: scope and options**
15. **Green Chemistry for designing a sustainable future**
16. **Health advancement by mitigation of pollution**
17. **Repurposing traditional medicines as therapeutics biofuels as environment-friendly strategy**



## Organizing Committee

### *Chief Patrons*

**Prof. S. Vidya Shankar**, Vice Chancellor, VTU, Belagavi

**Prof. Arunabha Majumder**, Chairman, STE, Emeritus Prof., Jadavpur University, Kolkata and Former Dir., AIIHPH, Kolkata

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**Prof. T. N. Sreenivasa**, Registrar (Evaluation, VTU, Belagavi)

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**Shri S.K. Varshney**, Former Scientist 'G' & Head, (Intl. Cooperation) DST, Govt. of India

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### *Convener*

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**Mr. Sanjit Mitra**, Save The Environment, Kolkata, West Bengal

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**Dr. Prasanna D. Shivaramu**, Department of Applied Science, VTU, Muddenhalli

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**Dr. Bushra Parveen**, Assistant Professor, Department of Pharmacology, School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi

### **Local Organising Committee**

**Mr. Vinay A N** - Assistant Professor

**Ms. Shaheeda** - Assistant Professor

**Ms. Rashmi P** - Assistant Professor

**Mr. Mohith B R** - Assistant Professor

**Mr. Kunal Roy** - Research Scholar

**Ms. Shilpa A V** - Assistant Professor

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**Mr. Tathagata Sardar** - Research Scholar

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**Dr. Ankita Verma**, Research Associate, ICAR-IARI, New Delhi  
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**Dr. Amrita Mishra**, Associate Professor, School of Biotechnology, KIIT, Odisha  
**Dr. Rabea Parveen**, Assistant Professor, Department of Pharmaceutics, School of Pharmaceutical Education and Research, Jamia Hamdard (Hamdard University, Dr. Ambedkar Nagar, New Delhi)

### ***Lead Speakers***

**Dr. Gulshan Wadhwa**, Adviser and Scientist 'G', Department of Biotechnology, Ministry of Science and Technology, Lodhi Road, New Delhi - 110003  
**Prof. Deepa H Dwivedi**, Dean, School of Agricultural Science and Technology BBA University, Lucknow, U.P.  
**Prof. Upasana Bora Sinha**, Professor, Dept. of Chemistry, Nagaland University, Nagaland  
**Prof. Ajay Gupta**, Director (R&D) and Dean Research, . GKU, Talwandi Sabo, Dist. Bathinda, Punjab  
**Prof. Sayeed Ahmad**, Dept. of Food Technology (SIST), Jamia Hamdard, Delhi  
**Dr. Suraj K Tripathy**, Associate Dean, School of Chemical Engineering KIIT Deemed To Be University, Bhubaneswar, Odisha  
**Dr. Anup Kumar**, Senior Scientist, HARSAC, CCSHAU, Hisar, Haryana  
**Dr. Radha TK**, Senior Scientist, Division of Crop Protection, Indian Institute of Horticultural Research, Karnataka  
**Dr. Vijay Kumar Bharti**, Scientist, DRDO-DIHAR, Leh UT Ladakh, Leh  
**Dr. Amrita Mishra**, Associate Prof., School of Biotechnology KIIT Deemed To Be University, Bhubaneswar, Odisha

### **CALL FOR ABSTRACTS**

The organizing committee invites original research abstracts for oral / poster presentations based on the themes of the conference. Original one-page abstract (A4-size with 2.5 cm margin on all sides, single column, Times New Roman font, font size 12, 1.5 line spacing written in MS WORD) should be submitted [ewashc2020@gmail.com](mailto:ewashc2020@gmail.com) before **20th November, 2024**. The participants are requested to mention the relevant sub theme, title of the paper along with their names, affiliation and contact details. Selected accepted papers will be published in Int. J. Env. & Health Sci. (Indexed in ISSN, Crossref and ISI).

## DEPARTMENT OF APPLIED SCIENCES, VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU)



VTU is one of the largest Technological Universities in India with 20 years of tradition of excellence in Engineering & Technical Education, Research, and Innovations. It came into existence in the year 1998 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. University has successfully achieved the tremendous task of bringing various colleges affiliated earlier to different universities, with different syllabi, different procedures and different traditions under one umbrella. It has four regional centers across the State of Karnataka in Belagavi, Bengaluru, Kalaburagi, and Mysuru.

University is comprised of multi-disciplinary and multi-level institutions offering wide range of programmes in engineering, technology, and Management. VTU is the first university in the country to take innovative steps in the examination reforms by adopting ICT technologies including indigenous Digital Evaluation System software.

Department of Applied Sciences started M.Tech. in Nanotechnology Programme in 2012. Currently, the Department is offering M.Tech. in Nano Science and Technology, M.Sc. in Chemistry and Ph.D. programs. The department encompasses highly qualified dedicated faculties who imbibe and nurture the students with all practical skills apart from the Teaching-learning process. The faculty members of the Department are having ongoing funded research projects from various funding agencies of both state and central Govt. and also International Collaborative Research Projects.

## SAVE THE ENVIRONMENT (STE)



Save The Environment (STE) was founded and registered on 19th November 1990 [Reg no. S/66/489 of 1990-91]. Since then, STE has been privileged to collaborate with organizations and departments of repute, like WWF (India), AIIHPH, Indo-Canada environment facility, DST and DRDO to counter the long standing issue of arsenic poisoning of water, especially in rural areas of West Bengal, India. STE has also been actively engaged in spreading awareness among general public for environment protection and water management.

## DAMODAR ACADEMY OF SCIENTIFIC & EDUCATIONAL RESEARCH, NEW DELHI (DASER)

### THE ACADEMY

Damodar Academy of Scientific & Educational Research is a registered non-profit making society. The Academy is managed and governed by a Governing Body consisting of experienced men and women from diverse fields. The Academy has a written constitution — Memorandum of Association, Rules & Regulations approved by the Registrar of Societies.



The Academy is a non-profit making society registered under the Societies Registration Act of 1860, The funds would be raised through liberal contributions by individuals and corporate houses by way of membership/donation and sponsorship of the programmes by industries, government and local bodies. Donations could be in the form of cash, equipment like computers, educational kits, health care items, land and buildings in the name of the Academy. Any surplus funds would be used solely for the purposes of the Academy. The Academy may also collaborate to act as an extended arm of various national and international institutions engaged in similar activities and vice-versa or through other collaborative arrangements.

## IMPORTANT DATES

Abstract Submission Starts:	1st October, 2024
Registration Starts:	1st October, 2024
Abstract Submission Closes:	20th November, 2024
Intimation of Abstract Acceptance:	25th November, 2024

## REGISTRATION DETAILS

### Category

Category	Fees
College Students (U.G.& P.G.)	1000.00
Research Scholars	2000.00
Teachers/Scientists/Faculty	3000.00
STE Life Members	3000.00
Corporate Delegates/Industry personnel	5000.00

## BANK DETAILS FOR ELECTRONIC TRANSFER

Bank details for Electronic Transfer

Account Name: Save The Environment

Account Number: 60475457174

Bank and Branch: Bank of Maharashtra, Kalkaji, New Delhi-110019

IFSC Code: MAHB0000974

Google Pay to: Mrs. Chhanda Basu; Mobile No. 9830779260



## ACCOMMODATION

The accommodation will be arranged on payment basis if requested by the delegates / participants to the organisers.

## ABOUT THE CONFERENCE VENUE

Conference Venue Muddenahalli is the birth place of Bharat Ratna Sir M. Visvesvaraya. Muddenahalli is about 30 kms from Bangalore International Airport and 65 kms from Bangalore City. Visvesvaraya samdhi, museum, Nandi Hills are the nearby tourism attractions. In addition, the nearby city Bangalore is well known as 'Garden City' with its good climate, beautiful gardens and attractive touristic places. It is home to many premier Educational or Research Institutes and Govt. Labs as well as public sector industries such as IISc, NAL, ISRO, CPRI, BEL and BHEL to name a few. It has also emerged as IT capital of India and is known as Silicon Valley of India making it one of the fastest growing cities and a must visit destination for everybody.



*Contact Persons:*

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**Dr. Sankha Chakraborty (9614633977) STE**

**STE SECRETARIAT**

## **SAVE THE ENVIRONMENT (STE)**

(A SOCIETY FOR RESEARCH, AWARENESS & SOCIAL DEVELOPMENT)

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**Website: [www.stenvironment.org](http://www.stenvironment.org)**





## **STE Annual Awards 2024**

**(NOMINATION AND APPLICATIONS ARE INVITED)**

**LAST DATE 20<sup>th</sup> November, 2024**

STE confers Annual Awards in following categories to recognize the significant contributions made by a person or institution.

**1. STE Dr. APJ Abdul Kalam Award**

This award is conferred every year to the senior scientist of DRDO/ ISRO (working or retired) who has significantly contributed towards science and technology in India. Nominations will be from STE.

**2. STE Dr. Praloy O. Basu Lifetime Achievement Award**

This award is conferred every year to any citizen of India, who has made a difference to the society by his/her contributions in terms of education/ policies/ S & T/ Social Service and others. Nominations will be from STE.

**3. STE Green Excellence Award**

This award is constituted to honor those Indian citizens who have excelled in safeguarding and protecting the environment utilizing green technologies.

**4. STE Fellowship Awards**

STE Fellowship award is conferred to the Indian senior scientists /Academicians for their outstanding achievements in various fields of Science & Technology and Education.

**5. STE Meritorious Award for Excellence in Academics and Research**

**6. STE Women Excellence Award**

This award is constituted to recognize the Indian women scientists/ Academicians for their contributions in the field of science and environment.

**7. STE Water Awards**

The awards are conferred to the Indian nationals who have made a difference in the area of water by their efforts.

**8. STE Award for Best Innovation in the field of Science & Technology**

**9. STE Best School Principal Award**

**10. STE Best Teacher Award**

**11. STE International Achiever Awards**

**12. STE Young Researcher Awards** (Age limit: Faculty/ researchers between 25 to 40 years can apply.)

**13. STE Humanitarian Award for NGO**

**14. STE Green Campus Award**

**15. STE Student Award**

**A. School Level**

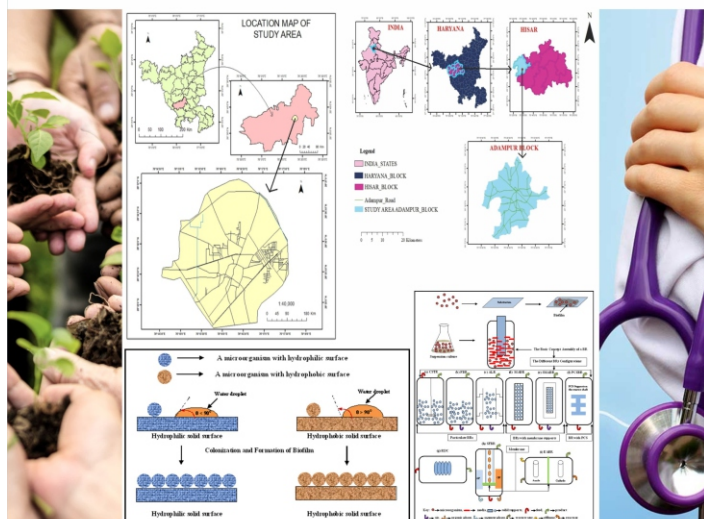
**B. College Level**

**For more information, please log on to our website**  
**[www.stenvironment.org/ste-awards/](http://www.stenvironment.org/ste-awards/)**

# ARTICLES ARE INVITED FOR THE INTERNATIONAL JOURNAL OF ENVIRONMENT AND HEALTH SCIENCES

This journal is being published by Save the Environment. Send your manuscripts for peer-review by e-mail. The authors must mention address, Contact Nos. and E-MAIL ID in their forwarding letter. Proof will be sent for correction before publishing. A pledge for originality will be signed by the authors.

We are pleased to announce that the DOI prefix for International Journal of Environment and Health Sciences is now available from Crossref, the official Digital Object Identifier (DOI). **The journal is now indexed in International Scientific Indexing (ISI).**



For further details, please contact  
Chief Editor at:

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or

visit our website:

[www.stenvironment.org](http://www.stenvironment.org)



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