



SAVE THE ENVIRONMENT

KOLKATA | GURUGRAM



Annual Report - 2023

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plant a tree and care for it



Letter from President STE

Preface

संरक्षेद्दूषति न स्यात्लोकः मानवजीवनम्।

'We shouldn't pollute the environment so that life can be protected.'

I came across this Sanskrit verse about protecting the environment, which made me realize how we tend to neglect this duty while taking care of our possessions. But STE has made this its motto. So every annual report is the result of hard work and efforts put in by STE team members to fulfill this motto. The whole year is full of significant learning processes. It gives me immense pleasure to present the annual report of Save the Environment-2023. STE has come a long way and like every year STE has been able to depart its duties towards society in spreading awareness on environment, health, water quality, and other related areas. It's time for self-introspection on our existence in this world and contemplate our moral responsibilities towards nature.

This brief annual report outlines our sincere efforts to reach society and spread the message of protecting natural resources and thereby serving nature to the best of one's abilities. The year commenced with the grand celebration of International Women's Day. STE initiated Prerana Samman to recognize the women with extraordinary potential who contributed enormously to society by various means.

STE has always been very assiduous in working for the welfare of society not only in spreading awareness but also in community services. Save The Environment (STE) has been working towards enhancing development and improving the environment in the most backward areas.

The year 2023 has been pivotal for STE to organize conferences. This year 'Green Energy & Sustainable Environmental Technology (GESET-2023) was organized by Save the Environment (STE), Kolkata/Gurugram, India in collaboration with Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, at RKGIT, Ghaziabad from 16th -17th September 2023. EWASH-2023 and the 5th Annual Meet of STE was also conducted successfully at Swami Rama Himalayan University (SRHU) Joly Grant, Doiwala, Sangatiya Walakhur, Uttarakhand during 22-23 December, 2023. Both events were remarkably successful wherein the eminent guests and speakers both nationally and internationally participated in large numbers.

This year STE was fortunate to include many new annual and life members both nationally and internationally. I sincerely thank all the STE members and other volunteers who have contributed unconditionally in the various tasks conducted by STE during the year.



(Dr. Kshipra Misra)

President STE & Former Additional Director, DIPAS(DRDO)

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1. Abbreviations

AIIPH: All India Institute of Hygiene & Public Health

CSIR: Council of Scientific & Industrial Research

DRDO: Defence Research and Development Organization

DST: Department of Science and Technology

ETHEE: Emerging Trends to Heal the Earth and Environment

EWASH: Environment, Water, Agriculture, Sustainability and Health

GCNC: Green Chemistry Network Center

GESET: Green Energy & Sustainable Environmental Technology

ICMR: Indian Council of Medical Research

IGNOU: Indira Gandhi National Open University

IIM: Indian Institute of Management

IWWA: Indian Water Works Association

NEERI: National Environmental Engineering Research Institute

NICPR: National Institute of Cancer Prevention and Research

NGO: Non-Governmental Organization

NSHM: Notabilis Sociatrix Humanus Maxime

(Latin terms meaning Noteworthy Collaboration for Best Development of Humankind)

RSC: Royal Society of Chemistry

SOITS: School of Inter-Disciplinary and Trans-Disciplinary Studies

SDG: Sustainable Development Goal

STE: Save The Environment

TERI: The Energy & Resources Institute

UN: United Nations

USDA: US Department of Agriculture (USDA)

USDOE: US Department of Energy (DOE)

WWF: World Wildlife Fund

2. Introduction

पर्यावरणनाशेन नश्यन्ति सर्वजन्तवः ।
पवनः दुष्टतां याति प्रकृतविकृतायते ॥

'The destruction of the environment (due to pollution) leads to the destruction of all beings. The winds and air become vicious and nature becomes hostile'.

‘पर्यावरण के विनाश प्रदूषण से सभी प्राणी नष्ट हो जाते हैं, सम्पूर्ण वायु मण्डल विषैला हो जाता है और प्रकृति शत्रुतापूर्ण हो जाती है।

The *shloka* above truthfully states that human beings are responsible for their own destruction if they don't take care of the environment they live in. However, the irony is that humans either fail to realize this or choose to turn a blind eye to this fact.

Environmental Science which finds its place as modern disciplinary science, finds its origin in Vedic and ancient Sanskrit literature. The Rig Veda venerates deities like Mitra, Varuna, Indra, Maruts and Aditya who are responsible for maintaining requisite balance in the functioning of nature like water, earth, air, forests etc. Any kind of harm to nature's vitals was considered a sin and for any inadvertent action the seers seek forgiveness as:

**"यत्त्वांस्वनामपृथिवी, तत् पुनः शीघ्रंभवेत् हे शुद्धा,
मातवप्राणान् हृदयंवाक्षतकिरुमः"**

*"Whatever I dig from thee, O Earth, may that have quick recovery again.
O purifier, may we not injure thy vitals or thy heart".*

The seers of Rig Veda speak on behalf of earth for its principle of replenishment "You give me and I give you". They look at every entity of Nature with the eyes of a friend and sympathiser:

***May all beings look at me with the eye of a friend.
Mitrasyaahamchakshushaasarvaanibhuutaanisameekshe.
May I look at all beings with the eye of a friend.
Mitrasyachakshushaasameekshaamahe.
May we look (at each other) with the eye of a friend.***

It shows that even more than 3000 years ago people used to acknowledge the bond between nature and living. Living beings cannot imagine their lives outside environment. Therefore, environment protection becomes our sole duty.

For the conservation of environment, we require people to come together, communicate, work in partnership and disperse the seeds of their work to obtain greatest outcome. In a vast country like India, government machinery is not enough to fulfill this enormous goal. Now a days Non-Government Organizations (NGOs), play a crucial role to reach to the masses or common people for spreading awareness regarding environment protection. NGOs create awareness among people on current environmental issues, natural resources and their protection etc. They do so by conducting workshops, seminars and conferences, distributing newsletters and brochures and showcasing their work on the websites and at different frontiers of the society.

3. About STE

3. About STE

SAVE THE ENVIRONMENT (STE), an NGO, was founded and registered on 20 November 1990. It was started with following Vision and Mission:

3.1. Vision

To protect present and future generations from various Environmental hazards.

3.2. Mission

To raise awareness and motivation among rural communities

&

To provide cost effective, energy efficient & environment friendly technologies

4. Brief History of STE

In 1992, with the collaboration of World Wildlife Fund (WWF), India, the organization started working to combat arsenic poisoning problem of water in the arsenic prone areas of West Bengal. Since then, STE has been involved in various projects related to eliminate groundwater arsenic contamination, mostly from rural areas of India. Some of the main activities of the organization are as follows:

1994: STE in collaboration with AIIH&PH, Government of India undertook a project on arsenic removal from water.

1997: On 23rd January, 1997, STE installed first arsenic removal plant in Kolkata, West Bengal.

1998: State Bank of India sanctioned a fund to install the arsenic removal plant in rural Bengal in 1998.

2000: In the year 2000, in collaboration with AIIH&PH and India Canada Environment Facility started a program on Community based project to mitigate arsenic pollution in West Bengal.

2001: In June 2001, organization had an opportunity to start a special clinic, which was first of its kind to provide free treatment to arsenic patients.

2003: STE was also first to deal with the conservation of rainwater and started working on Water Harvesting project in 2003 using ponds in rural areas.

A vocational training center was inaugurated for the arsenic patients in 2003.

STE is working very actively with DRDO, Ministry of Defence, Govt. of India to promote and implement a low-cost arsenic removal technology developed by DRDO.

STE has so far completed three projects from Dept. of Science & Technology, Govt of India to propagate and implement Arsenic/Iron removal technology in the affected areas.

Developed a model for sustainability of arsenic mitigation programme in the rural setup of India with the help of IIM, Ahmedabad.

Projects have been undertaken to mitigate arsenic/iron problem in 24 Parganas (N) & Nadia districts in West Bengal, Ballia district in Uttar Pradesh, Bhagalpur District in Bihar and Agartala in Tripura.

Since 1997 till date, Arsenic free drinking water has been provided to more than 1,00,000 people in India.

Already installed about 60 community type Arsenic Removal Plants and have distributed more than 5,000 domestic filters so far. STE is also conducting health camps in rural areas of West Bengal with the help of volunteers especially, doctors and healthcare personnel.

5. Activities of STE

For more than two decades STE has worked tremendously to reach to the local communities for creating environment awareness. STE has left no stone unturned in making people from all fronts of the society to amalgamate for this common cause.

Day by day environment is deteriorating. The qualities of our natural resources like land, water and air are depleting. Environmental pollution disturbs the balance of our ecosystems, affects normal lifestyles, cause stress and other related illnesses besides causing global warming. Government and other agencies are making so many policies on environment safety. But these policies come out to be successful to an extent only. This happens because a big chunk of our population remains ignorant of both the problem and its cause. Sometimes ludicrous situations arise when we talk of safety of environment but unknowingly contribute towards the opposite cause. With our busy schedules we tend to forget our responsibilities towards nature. Another verse of Srimad Bhagwat Geeta says:

**प्रकृतेः कर्माणि नानुष्ङ्गैः कर्माणि च स्वशः।
अहङ्कारवमूढात्मा कर्ताऽहमिति मिन्यते ॥3-27॥**

Every work is governed by the grace of the nature, but only the arrogant people deny it.

'This sloka signify the nature as the key controller of every work. On the other way it can be said that doing harm to the nature will affect its regular activities that may reflect on the human livings. The verse also puts warning to the arrogant people, who does not believe in the power of the nature.'

STE truly tries to follow this motto and works towards fulfilling it. STE organizes workshops, conferences and seminars etc. where people from different fields of interest like professors, scientists, doctors, teachers, politicians, entrepreneurs, research-scholars and school-students etc. participate and take notice of this crucial issue of environment safety.

5.1. STE Academic perseverance

5.1.1 Awards

STE not only encourage people for the cause but also motivate its' contributors by giving them awards under different categories. Annual Awards of STE are the tangible symbol to signify eminence of contributions made by a person or institution. This boosts the enthusiasm of the contributors that have contributed in different field of science and social service with their excellence, expertise and approach towards achieving certain goals for the society. Recognition of such extraordinary activities is eventually very important to boost their confidence and to honour them for what they have done for the science and society. STE confers following categories of awards and honours to such eminent personalities.

STE Dr. APJ Abdul Kalam Award

The award is in the memory of our former president of India late Dr. APJ Abdul Kalam. 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.

(Eligibility: *Any Indian Citizen above the age of 55 years. Nominations will be from STE*)

STE Dr. Praloy O. Basu Life Time Achievement Award

The award is constituted in the memory of late Dr. Praloy O. Basu, Founder Secretary of STE. 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.

(Eligibility: *Age above 45 years. Nomination from STE.*)

STE International Awards

2 sub categories:

STE International Achiever Award

STE International Young Achiever Award

This award is to recognize NRIs who have brought fame to India by contributing towards Science & Technology / Environment / education/ Society.

(Eligibility: *Anyone born in India but working abroad can apply. Age no bar*).

STE Green Excellence Award

This award is constituted to honour those professionals who have excelled in safeguarding and protecting the environment.

(Eligibility: *Any one above the age of 40 years can apply*).

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.

(Eligibility: *Anyone above the Age of 50 can apply*)

STE Meritorious Award

The award is conferred to the persons who have an exceptional/excellent contribution in the field of academics and research.

STE Water Awards

The awards are conferred to the Indian nationals who have made the difference in the area of water by any means.

(Eligibility: *Any one can apply in this category and age is no bar*)

STE Young Researcher Awards

STE Young Researcher Faculty Awards

STE Young Researcher Awards

The awards are conferred to the young Indian researchers to encourage and boost their enthusiasm.

(Eligibility: *Anyone in the Age between 25 to 40 years can apply.*)

STE Best Ideas / Innovations / Technology for Environment Awards

The awards are for the Indian Nationals to generate / develop the innovation towards serving the environment.

(Eligibility: *Anyone can apply. Age no bar*)

STE Best School Principal Award

This award is constituted to recognize the Principal of Schools for his/her contributions in the field of science and environment.

(Eligibility: *Any one above the age of 40 years can apply.*)

STE Best Teacher Award

This award is given to the teachers of Indian nationality for promoting science and technology among the school students.

(Eligibility: *Teachers – teaching Science for Classes 9-12 can apply.*)

STE Women Awards

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

(Eligibility: *Any woman above the age of 40 years can apply.*)

STE Humanitarian Award for NGO

This award is given to an NGO who has significantly contributed for the cause of environment and general social well being of the society.

5.2 Journal

STE has its own journal namely International Journal of Environment and Health Sciences (IJEHS). The journal proposes to provide a reliable platform to discuss relevant technologies and strategies. IJEHS is quintessential to academicians, industry professionals and researchers who are actively engaged in the areas of environmental issues and related health effects. The journal has got ISSN 2582-5283. IJEHS is referenced in Crossref, the official Digital Object Identifier Agency (doi 10.47062). IJEHS is now also indexed in the International Scientific Indexing (ISI).

The journal invites original research articles, short communications and critical reviews directed towards an academic, clinical and industrial audience. The first section of the journal focuses on burning environmental issues like pollutants and their fate, waste management, resource conservation, remediation technologies, etc. The second section includes all topics relevant to physiological impact of environmental risk factors and application of alternative medicinal approaches as remedial measures.

All submissions are meticulously scrutinized by pioneers in the field to ensure publication of only articles of high quality and relevance. Authors are always requested to take special precautions to avert plagiarism and redundancy.

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5.1.3 STE QUARTERLY Newsletters

STE publishes quarterly Newsletter in which details of the activities done during a quarter is provided. Not only this STE invites scientific and general articles mainly pertaining to environment for publication in the newsletters. The articles enrich the knowledge of the readers in different aspects. By viewing the increasing popularity of STE, we are planning to publish the quarterly newsletters in Hindi and Bengali from Jan 2023 onwards.

https://www.stenvironment.org/images/newsletter/PRAKRITI%20SANRAKSHAN_Oct_Dec_2023.pdf



6. Events/Programmes-2023

STE is not limited to environmental pollution rather it covers sustainable development and management of natural resources and flora and fauna. Day by day the need of environmental protection at various levels is increasing thereby enhancing the responsibilities of the NGOs. Even after more than 70 years of independence, the Indian population still lacks awareness regarding environmental safety. This has happened because two-thirds of our population still lives in poverty. They are simply unaware of environmental protection rather than struggle to make ends meet. In this scenario, the responsibility of NGOs like STE is further enhanced. STE is totally dedicated to the cause of environmental safety and health. During the year 2021, STE has organized various events and programs on environmental development issues that have come out to be beneficial to the different levels of society. The details of all the events conducted during the year are given below:

6.1. WORKSHOPS

6.1.1. ANTHELIA

Date : 11th January 2023

Venue: Hindu College, University of Delhi, Delhi

Department of Chemistry Hindu College, the University of Delhi Under the aegis of DBT Star College Scheme in collaboration with STE (Save the Environment) conducted following workshops:

Anthelia: A workshop on a range of Eco-Friendly startup products for sustainable development on 11 January 2023. The workshop encouraged students not just to opt for more eco-friendly products but also to have start-ups and to take each and every step possible towards an sustainable future. The students had an overwhelming experience during the workshop.



6.1.2. FROM HERBS TO HEALTH

Date & Venue:

Department of Chemistry Hindu College, University of Delhi Under the aegis of DBT Star College Scheme in collaboration with STE conducted Herbs to Health: A workshop on solvent-based extraction protocols. The workshop was aimed at improving critical thinking and “hands-on” experimental work and encouraging students to opt for more use of Herbs than artificial medicines. In the workshop, Students extracted Nutraceuticals in capsule form. The workshop encouraged students not just to opt for more Herbal products than synthetic and chemically derived products but also a science of satisfaction on the faces of everyone which truly made the workshop a huge success.

6.2 STE's Prerana Samman 2023- International Women's Day

Date & Venue: Webinar on 08th March 2023

Like yester years STE celebrated International Women's Day by organizing webinar on 8th March, 2023. To celebrate the event, STE felicitated three very inspirational women achievers to honor their cognizance and motivating efforts towards the betterment of our society. The theme was aligned with that of UN's this year- 'Gender Equality Today for a Sustainable Tomorrow'. The STE Prerana Samman recipients for this year were:



Dr Jyoti Sharma:
Scientist F & Director,
Department of Science
& Technology,
Government of India.



Ms. Deepasree Das Sarkar: Associate Professor & HoD, Department of English, Margherita College, Assam.

She had been awarded for her major role in educating and empowering Girl Child in 18 different tribes of Assam. Mrs Sarkar shared her experience on how she played a significant role in the lives of thousands of girls by educating them about menstrual hygiene, domestic violence and legal issues, making biodegradable cotton sanitary napkins, and much more.



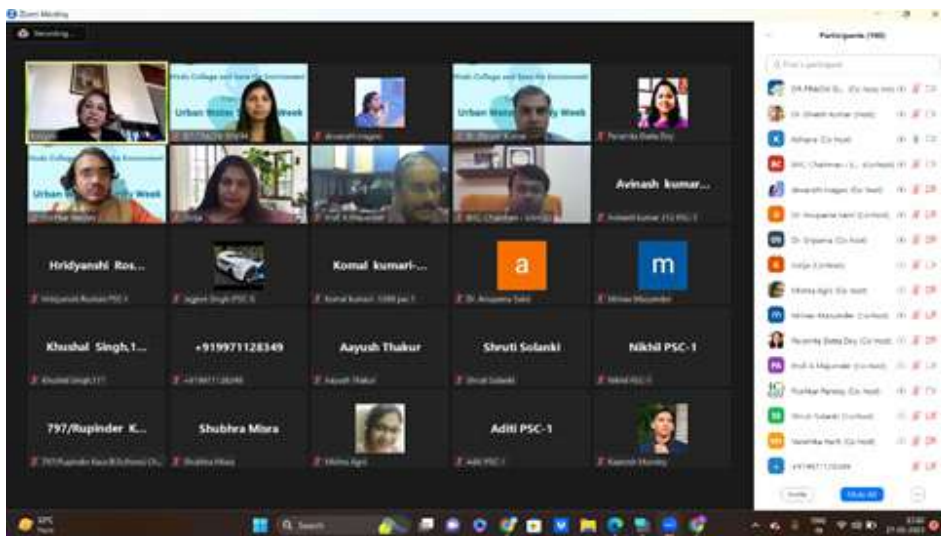
Dr Barnali Ghatak:
Founder & Managing Director, SBH Electro Cloud Pvt Ltd, Kolkata.

She was awarded for her contribution to society in the fields of science and technology. Her accomplishments benefitted the farmers of India, electrical workers, and much more.

6.3 Urban Water Security Week

Date & Venue: 27th May, 2023. Online Event

The Urban Water Security Week was celebrated together by STE and the Hindu College as a part of an initiative taken up by the South Asian Institute for Advanced Research and Development on the 27th May 2023. The objective of the online talk was to spread awareness of the increasing water crisis in urban areas. On the occasion Dr. Girija Bharat, founder and director of Mu Gamma Consultants Pvt. Ltd, Gurugram, Prof. A. Majumdar, a civil engineer, and Paramita Datta Rey, the program lead for the Sustainable Cities and Water and Sanitation at NIUA, spoke on the different aspects of urban water such as the sources of urban water, the influence of the increasing human population on the declining urban water, and various measurements and steps that have been and are taken to address the crisis. The talk was attended and participated by more than 200 participants which included students, researchers, and academicians from different colleges, and universities. Prof. A. Majumdar was the chief patron and Dr. B. R. Chowdhury, Chairman of SAIARD, Dr. Anju Srivastava, and Dr. Reena Jain were the patrons of the program. Dr Kshipra Misra, STE, and Dr Devanshi Magoo, Hindu College, and Dr Jigni Mishra, STE, Dr Dinesh Kumar and Dr Prachi Singh, Hindu College, were the convenors, and co-convenors, respectively. Ms. Vanshika Harit, Ms. Shruti Solanki, Mr. Pushkar Pandey, and Mr. Mrinav M. Mazumdar, were the student coordinators of the program.



6.4 Online Certificate Course on Environment Awareness

Duration of the Course: 6 weeks (02.07.2023 - 08.08.2023)

The online certificate course on environmental awareness was successfully organized in a collaboration between Save the Environment, an NGO based in Kolkata/Gurugram, and the Hindu College, University of Delhi. The course directors of the certificate course were Prof. Anju Srivastava, Prof. Reena Jain, Dr Kshipra Misra, and Dr S. K. Basu. Prof. B. Rupini and Dr Sushmitha Baskar from IGNOU, Dr S. K. Basu from PFS Canada, and Dr Prachi Singh and Dr Pallavi Saxena from the Hindu College were the courses facilitators in addition to course coordinators. The course duration was 6 weeks from 02.07.2023 - 08.08.2023 and was spread over 12 lectures that happened on weekends. A total of 11 participants joined the course, and 5 facilitators designed and took the lectures. The objective of the certificate course was to extend the roles of STE and the Hindu college in working together to benefit different stakeholders such as teachers, and students from schools, house workers, and jobholders on environmental awareness. The structure of the course comprised lectures, discussions, assessments, and evaluations. The participants and the facilitators received a certificate of completion/participation in the valedictory. The names of the participants and the facilitators are listed below:

Name of the participants:

Participants	Institute	Certificate of Participation
Mr Agrim Jain	Modern School	Completion
Mr Nirvaan Singla	Modern School, Barakhamba Road	Completion
Mr Iftekhar Ali	Furqania Day Primary School	Completion
Ms Aseema Rajesh Gokhale	Modern School Vasant Vihar	Completion
Ms Abhilasha Gehlot	Hindu College	Completion
Ms Brartati Barik	Vidyasagar College, Kolkata	Completion
Mr Nivrutti Trymbakrao Galande	SLIET University Campus Sangrur Punjab	Completion
Mr Laksh Gupta	Modern School, Barakhamba Road	Completion
Ms Soumya Roy	B. E. College Model School	Completion
Dr Man Mohan Bagh	SCB Medical College Cuttack	Completion
Ms Anika Tandon	Modern School, Barakhamba Road	

6.3 International Conference on Green Energy & Sustainable Environmental Technology (GESET-2023)

Date & Venue: 16th-17th September 2023, Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad

The International Conference on Green Energy & Sustainable Environmental Technology (GESET-2023) was organized by Save the Environment (STE), Kolkata/Gurugram, India in collaboration with Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, at Raj Kumar Goel Institute of Technology Ghaziabad on 16th-17th September 2023. The main aim of this conference was to bring together leading academicians, scientists, researchers, industry experts and policy makers to discuss the latest developments in sustainable technologies and materials for harvesting 'Green Energy' while also protecting the Ozone layer's delicate ecosystem. This conference mediated a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent developments in the fields of sustainable technology development in order to protect the Earth by mitigating various environmental problems, such as unprecedented pollution and climate change. All those who graced this occasion included Chief Guest Dr. S. K. Goyal, Chief Scientist and Head, CSIR-NEERI, Delhi Zonal Centre; Prof. Arunabha Majumder, Patron, STE and Emeritus Prof.,



Jadavpur University, Kolkata and Former Director, AIIHPH, Kolkata; Dr. Laxman Prasad, Group Advisor RKG Group of Institutions; Dr. D.K. Chauhan, Executive Director RKG Group of Institutions; Dr. B. C. Sharma, Director RKGIT; Dr. Kshipra Mishra, Convener of GESET 2023, President, Save The Environment and Former Additional Director, DIPAS (DRDO), Delhi and Prof. Poonam C Kumar, Head, ASH department, RKGIT along with Deans, Principal Pharmacy, various heads of the departments, faculty members and delegates.

Major recommendations from International Conference were:

- Steps to mitigate climate changes from an Indian perspective have to be dynamized.
- Modern wastewater and waste treatment strategies have to be adopted, especially from a viewpoint on agricultural wastes.
- Awareness about technology-driven remediation methods have to be put into action, specifically at semi-urban and rural levels.
- Environmental awareness in an empirical manner, should be made part of curriculum to encourage youth participation.
- Waste segregation and cleanliness drives should be monitored on a daily basis.

6.4. EWASH-2023 & 5th ANNUAL MEET OF STE

A regular annual feature in the academic arena is the very appropriately titled International Conference EWASH- Environment, Water, Agriculture, Sustainability and Health that was jointly conducted by SWAMI RAMA HIMALAYAN UNIVERSITY, Jolly Grant, Dehradun and STE, Kolkata on 22-23rd December 2023. It was the 5th Annual Meeting of STE. The National Academy of Sciences, Prayagraj, Uttar Pradesh and D . A . V . (P G) College, Dehradun, Uttarakhand were the co-sponsor for this event. The theme of the the event remained the same as previous year “*Protect the blue and green Make the Earth pristine.*”

All those who graced this esteemed conference included Dr. Rajendra Dobhal , Vice Chancellor, Swami Rama Himalayan University, Jolly Grant; Patrons of EWASH-2023 Prof. Arunabha Majumder, Emeritus Professor, Jadavpur University, Kolkata & Former Director, AIIHPH, Kolkata and Dr. Vijay Dhasmana, Chancellor, Swami Rama Himalayan University, Jolly Grant, Dehradun; Convener Dr. Sanjay Gupta, Principal, Himalayan School of Bioscience, Swami Rama Himalayan University, Jolly Grant, Dehradun; Coconveners Mrs. Chhanda Basu , General Secretary, STE and Mr. Sanjit Mitra, Treasurer STE; Coordinator Prof. Prashant Singh, Dept. of Chemistry, D.A.V. Post Graduate College Dehradun, Dehradun, Uttarakhand and Vice President, STE, Uttarakhand Chapter.







AWARDS CONFERRED DURING EWASH-2023

Award Title	Recipient Name	Designation & Affiliation
STE Dr. APJ Abdul	Dr. Usha Panjwani	Professor of Practice, Manav Rachna International Institute of Research and Studies, Faridabad & Former Scientist 'G', DIPAS (DRDO), Delhi
STE Dr. Praloy O Basu Life Time Achievement Award	Dr. Rajendra Dobhal	Vice Chancellor, Swami Rama Himalayan University, Jolly Grant, Dehradun & Former DG, UCOST, Uttarakhand
STE International Achiever Award	Prof. Shubhankar Suman	Associate Professor, SOM-Oncology Academic Department, Georgetown University, USA
STE Fellowship Award	1) Dr. A. Arunachalam 2) Dr. Sushil K. Singh 3) Dr. Biswajit Ruj 4) Prof. Sunil Kumar	Director, ICAR-Central Agroforestry Research Institute, Jhansi, Uttar Pradesh Scientist 'F' & Additional Director, Solid State Physics Laboratory, DRDO, Delhi Chief Scientist, CSIR-Central Mechanical Engineering Research Institute, Durgapur, West Bengal Principal, DAV (PG) College, Dehradun, Uttarakhand
STE Green Excellence Award	Prof. P. Chakraborty	Professor & Head, Centre for Research in Environment, Sustainability Advocacy and Climate Change, SRMIST, Tamil Nadu
STE Meritorious Award For Excellence in Academics and Research	Dr. Prashant Singh	Professor, Department of Chemistry, DAV (PG) College, Dehradun, Uttarakhand
STE Water Award	1) Dr. Prashant Singh 2) Dr. Gaurav Saxena	Professor, Department of Chemistry, DAV (PG) College, Dehradun, Uttarakhand Assistant Professor, School of Biotechnology, Shoolini University, Himachal Pradesh
STE Women Excellence Award	1) Prof. Veena Pande 2) Prof. K. Arunachalam 3) Dr. Amrita Mishra 4) Dr. Kanchan Karki	Head, Department of Biotechnology, Kumaun, University, Nainital, Uttarakhand Associate Professor, School of Biotechnology, KIIT, Bhubaneswar, Odisha Associate Professor, School of Biotechnology, KIIT, Bhubaneswar, Odisha Scientist B, Centre of Excellence for Mountain Biology, Uttarakhand Council for Biotechnology, Govt. of Uttarakhand
STE Best Ideas/Innovations/Technology for Environment Award	Mr. Abhrajit Chatterjee	Managing Director, Salico Metal Solutions, Kolkata
STE Green Campus Award	Swami Rama Himalayan University Jolly Grant, Uttarakhand	

AWARDS Conferred during EWASH-2023

STE Meritorious Award (For Excellence in Academics and Research)	Dr. Vijay K. Bharti	Scientist 'F', DIHAR (DRDO), Leh, UT-Ladakh
	Prof. Sanjay Gupta	Principal, Himalayan School of Biosciences (HSBS), Swami Rama Himalayan University (SRHU), Jolly Grant, Dehradun
	Dr. Manindra Mohan	Scientist B, Uttarakhand Council for Biotechnology, Department of Agriculture, Govt. of Uttarakhand, Pantnagar
STE Young Researcher Award [Faculty Category]	Dr. Mhaveer Singh	Associate Professor, Pharmacy Academy, IFTM University, Moradabad, U.P.
	Dr. Bushra Parveen	Assistant Professor, Dept. of Pharmacology, School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi
	Dr. Prachi Singh	Assistant Professor, Dept. of Environmental Sciences, Hindu College, University of Delhi, Delhi
	Dr. Archna Dhasmana	Assistant Professor, Himalayan School of Biosciences, Swami Rama Himalayan University, Doiwala, Sangatiya Walakhur, Uttarakhand
STE Young Researcher Award	Ms. Pranjal	PhD Scholar, School of Biotechnology, KIIT, Bhubaneswar, Odisha
STE Best School Principal Award	Mr. John Paramata	Principal, St. Peter's School, Durgapur
STE Humanitarian Award for NGOs	Hundred Miles Welfare Association, Kolkata	



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8. Acknowledgements

8.1 Our Sponsors

WTI, DST, Govt. of India

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8.2 Awards/ recognition received for DART

Silver Medal for Innovative Technology in Anveshan Competition on 29 June, 2003 at IIM, Ahmedabad
WATI (Women and Technology Innovation) National Award by Bhartiya Stree Shakti for innovative Technology -2004

DRDO Spin-off Technology Award- 2007

NRDC, GOI –Social Innovation Award-2012

8.3 Our Collaborators

AIIPH, Kolkata t Hindu College, University of Delhi

Amra Sabai Happy Club

Anchrom Enterprises Pvt. Ltd., Mumbai

Brindaban Matri Mandir

CSIR-NEERI, Delhi Zonal Centre

DRDO, Govt. of India DST, Govt. of India

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