



# Annual Report 2019

*Report compiled by: Dr. Priyanka Sharma*




**SAVE THE ENVIRONMENT**  
**KOLKATA | GURUGRAM**












# Letter from President STE



It gives me immense pleasure to present the annual report of Save the Environment-2019. STE has come a long way and year 2019 has been really eventful and has shown a persistent commitment of STE team towards achieving environmental safety. Day by day environment is becoming more challenging and so is the task of STE. Land, water and air pollutions have been causing havoc and now mysterious diseases are supplemented to the human sufferings.

Year 2019 was the year of spreading awareness, motivation and encouragement amongst the society. Workshops and Seminars were organized in different parts of the country in which professors, scientists, doctors, teachers and students participated.

This year first Annual conference of STE entitled as National Conference on Water Crisis, Public Health & Sustainable Solutions (WCPHS) was organized at INSA, New Delhi. We were privileged to have Honorable Dr. Mahendra Singh, Minister of Jal Shakti, Uttar Pradesh Govt. as Chief Guest and Honorable Dr. Rajendra Singh (Water conservationist & Environmentalist, Tarun Bharat Sangh, Alwar, Rajasthan and recipient of the highly acclaimed Magsaysay award also popularly known as 'The Waterman' or 'Jalpurush of India') as Guest of Honor of the inaugural ceremony. Dr. Sanjeev K. Varshney, Head of International Cooperation (Bilateral), Department of Science and Technology, Govt. of India kindly graced the valedictory session as Chief Guest.

This year STE was really fortunate to include many annual and life members both nationally and internationally.

STE is indebted to its sponsor organizations like WTI, DST, NABARD, AGILENT and DRDO for all kinds of support.

My sincere thanks to STE members and other volunteers who have contributed unconditionally in various tasks of STE.



**(Dr. Kshipra Misra)**  
**President STE &**  
**Former Additional Director, DIPAS (DRDO)**





# Contents

|            |  |              |
|------------|--|--------------|
|            | <b>Preface</b>   | <b>2</b>     |
| <b>1.</b>  | <b>Abbreviations</b>   | <b>5</b>     |
| <b>2.</b>  | <b>Introduction</b>  | <b>6-7</b>   |
| <b>3</b>   | <b>About STE:</b>  | <b>8</b>     |
|            | 3a. Vision   |              |
|            | 3b. Mission  |              |
| <b>4.</b>  | <b>Brief History of STE</b>  | <b>9-11</b>  |
| <b>5.</b>  | <b>Activities of STE</b>   | <b>12-15</b> |
|            | 5a. Awards of STE  |              |
| <b>6.</b>  | <b>Events and Programmes-2019</b>  | <b>16</b>    |
| <b>6a</b>  | <b>February 2019:</b>  | <b>17-18</b> |
|            | National Workshop on Arsenic Contamination and Sustainable Technological Solutions in India. |              |
|            | 26 <sup>th</sup> -27 <sup>th</sup> Feb.  |              |
|            | NSHM Knowledge Campus, Durgapur, India   |              |
| <b>6b.</b> | <b>April 2019</b>  | <b>19-20</b> |
|            | Earth Day Celebrations   |              |
|            | 22 <sup>nd</sup> April   |              |
|            | Goenka International School, Kamalpur, Durgapur  |              |
| <b>6c.</b> | <b>June 2019:</b>  | <b>21-22</b> |
|            | World Environment Day Celebrations   |              |
|            | 5 <sup>th</sup> June   |              |
|            | Hrishikesh Park, Kolkata   |              |
| <b>6f.</b> | <b>October 2019:</b>   | <b>23-31</b> |
|            | National conference on 'Water Crisis, Public Health and Sustainable solutions (WCPHS-2019)'  |              |
|            | 21-22 October  |              |
|            | Indian National Science Academy (INSA), New Delhi.   |              |
| <b>6g</b>  | <b>December 2019:</b>  | <b>32</b>    |
|            | Awareness Program on 'Plastic free Zone'   |              |
|            | 13th Dec.  |              |
|            | St. Peter's School, Durgapur, Kolkata  |              |
| <b>7.</b>  | <b>Members of STE</b>  | <b>33-34</b> |
|            | 7a. Life Members   |              |
|            | 7b. Annual Members   |              |
|            | 7c. International Members  |              |

## 1. Abbreviations

AIHH&PH: All India Institute of Hygiene & Public Health

DRDO: Defence Research and Development Organization

IIM: Indian Institute of Management

INSA: Indian National Science Academy

NGO: Non-Governmental Organization

NSHM: Notabilis Sociatrix Humanus Maxime

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

STE: Save The Environment

WCPHS: Water Crisis, Public Health and Sustainable solutions





## 2. Introduction

The relation of living beings with environment is neither new nor dispensable. It has happened with time that human beings have been taking this bond so nonchalantly which has led to deleterious effects to the environment. It may seem somewhat surprising but scholars have found that scriptures like Srimad Bhagwat Gita, mentions about environment and its related things. One of its Slokas describes human's relationship with nature as follows\*:

अन्नाद्भवन्ति भूतानि पर्जन्यादन्नासम्भवः।  
यज्ञाद्भवति पर्जन्यो यज्ञः कर्मसमुद्भवः॥१४॥  
(\*IJRAR, VOLUME 5; ISSUE 4, 2018)

'Living beings live on food, which is generated from cloud (rain) and further cloud is generated from 'yagya', the offering to God. The accumulated 'yagya' will be used as a means of action, i.e. today's offering will be gained in tomorrow. 'Yagya' is thought as sacrifice and service to the environment, then this completes the cycle of nature and living being's mutual dependence. Animal lives on food (crops) which require rain to grow. Rain will only be sufficient if human performs good behavior to the environment.'

It shows that even more than 5000 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 fulfil 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

**SAVE THE ENVIRONMENT (STE)**, an NGO, was founded and registered on 29th November 1990. It was started with following Vision and Mission:

### **3a. Vision**

To protect present and future generations from various environmental hazards.

### **3b. 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 life styles, 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 क्रियमाणानि गुणैः कर्माणिसर्वशः ।  
अहङ्कारविमूढात्मा कर्ता ऽहमितिमन्यते ॥ ३-२७ ॥

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 organises 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.

### 5a. STE 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.

#### 1. 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.)*

#### 2. 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)*



### 3. 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.

*Total Number: 05*

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

### 4. STE Young Researcher Awards

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

*Total Number: 15*

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

### 5. STE Water Awards

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

*Total Number: 10*

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

### 6. STE Best Ideas / Innovations / Technology for Environment Awards

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

*Total Number: 5*

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

### 7. STE Best Teacher Award

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

*Total Number: 5*

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

### 8. STE Women Awards

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

*Total Number: 5*

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

### 9. STE International Awards

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

*Total Number: 2*

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

## 6. Events/Programmes during the year

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 environment protection at various levels is increasing thereby enhancing the responsibilities of the NGOs. Even after more than 70 years of independence, Indian population still lacks in awareness regarding environment safety. This has happened because still two-third of our population still lives in poverty. They are simply unaware regarding environment protection rather struggles to make ends meet. In this scenario the responsibility of NGOs like STE is further enhanced. STE is totally dedicated towards the cause of environmental safety and health. During the year 2019, STE has organized various events and programmes on environmental development issues that has come out to be beneficial to the different levels of the society.

### 6a. February 2019:

#### National Workshop on Arsenic Contamination and Sustainable Technological Solutions in India.

26<sup>th</sup>-27<sup>th</sup> Feb., NSHM Knowledge Campus, Durgapur, India

National workshop on 'Arsenic Contamination and Sustainable Technological Solutions in India' was jointly organized by NSHM Faculty of Business and Management Studies, Durgapur (West Bengal) and STE. The main objective of the workshop was to bring together world class researchers, scientists, environmentalists, experts and policy makers at one common platform for identifying the environmental challenges caused by arsenic poisoning of groundwater and proposing cost-effective solutions to deal with these problems. The workshop set the stage for understanding the necessity of providing arsenic free drinking water to the rural people of Bardhaman District, West Bengal and for devising plausible technological solutions for the same.

The Chief Guest of the event was Shri Sapam Lenin Singh, Group Captain, Indian Air Force. Shri Singh graced the event with his thoughtful words encouraging the culmination of the workshop.





# Activities

6b. April 2019

Earth Day Celebrations

22nd April

Goenka International School, Kamalpur, Durgapur

Goenka International School, Kamalpur, Durgapur celebrated Earth Day on 22nd April, 2019. Various competitions were organized on this occasion like:

**A. Sit and draw**

**Group 1:** Students of class 2<sup>nd</sup> and 3<sup>rd</sup>

**Group 2:** Students of class 4<sup>th</sup> and 5<sup>th</sup>

**B. Essay Writing for the students of Class 6<sup>th</sup> and 7<sup>th</sup> on the topic: How to save mother earth from current environmental hazards?**

**C. Debate competitions**

**Group 1:** Students of class 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup>

**Topic:** *Human need has changed into human greed*

**Group 2:** Students of class 11<sup>th</sup> and 12<sup>th</sup>

**Topic:** *Conservation and development can go hand in hand*



**6c. June 2019:**  
**World Environment Day Celebrations**  
**5<sup>th</sup> June**  
**Hrishikesh Park, Kolkata**

On June, 5, 2019, STE and Millan Samity, Hrishikesh Park, Kolkata jointly celebrated World Environment Day. The Chief Guest of the event was Professor Gaurab Gangopadhyay from Bose Institute, Kolkata and was presided by Dr. Sandip Ghosh, Principal, Poddar Institute of Technology and Management, Salt Lake, Kolkata. The NGO has been persistently working to spread awareness among the society about various means to control environmental pollution and enrich the bio-system. Members of the organization at Kolkata took initiative to organize celebrations of the World Environment Day. As a matter of fact, the budding generation, especially the school children are the future builders of our society. It is therefore, vital to facilitate them with the necessary knowledge about protection and conservation of our environment. The occasion included poster making competition for school children between the age group of 12 to 15 years and the theme was environment pollution. An “open to all” quiz competition was also held and questions concerning the environment were asked by a talking doll. A seminar was conducted where our Chief Guest and President presented a talk on how the society is contributing towards environmental pollution such as global warming. They also described the various ways to control the pollution and inculcate certain good habits in our daily practices to conserve the natural resources such as water. At the end of the seminar the children who won the competitions were awarded. A magic show was also organized for the children to enjoy the event. The participants showed their complete enthusiasm and activeness among the children was a booster in itself for the members of STE.





**6d. October 2019:**

**National conference on 'Water Crisis, Public Health and Sustainable solutions (WCPHS-2019)'**

**21-22 October**

**Indian National Science Academy (INSA), New Delhi.**

A National conference on '**Water Crisis, Public Health and Sustainable Solutions** (WCPHS-2019)' was organized by STE during Oct. 21 –22, 2019 at Indian National Science Academy (INSA), New Delhi.

The thematic thrust of the conference was to enlighten about the technological and sustainable solutions to overcome the existing water crisis by bringing together researchers, industry personnel, government authorities and policy makers from all over India who are actively engaged in water conservation and related research. Honorable Dr. Mahendra Singh, Cabinet Minister of Ministry of Jal Shakti of the Government of Uttar Pradesh graced this event as the Chief Guest and inaugurated this conference. He greatly appreciated the efforts directed by the organizing committee members especially Dr. Kshipra Misra (Convener, WCPHS) for organizing a conference of such a stature.

Honorable Dr. Rajendra Singh (Water conservationist & Environmentalist, Tarun Bharat Sangh, Honourable Dr. Rajendra Singh (Water conservationist & Environmentalist, Tarun Bharat Sangh, Alwar, Rajasthan and recipient of the highly acclaimed Magsaysay award also popularly known as 'The Waterman' or 'Jalpurush of India') also graced the event as the Guest of Honor. About 250 delegates from different academic as well as industrial organizations participated and presented their papers in the conference on various aspects of research in the allied fields of sciences.



**Dignitaries at the inauguration of WCPHS:**

*From left:*

**Dr. A. K. Datta**, Former CCR&D, DRDO, New Delhi; **Prof. Arunabha Majumdar**, Patron, STE and Chairman, Indian Water Works Association (IWWA) and Ex-Director-Professor & Head, Department of Sanitary Engineering, AIHH&PH, Kolkata and Guest Professor, School of Water Resources Engg., J.U.; Honorable **Dr. Rajendra Singh**, Water conservationist & Environmentalist, Tarun Bharat Sangh & Guest of Honor, WCPHS, 2019; Honorable **Dr. Mahendra Singh**, Cabinet Minister of Ministry of Jal Shakti of the Government of Uttar Pradesh & Chief Guest, WCPHS, 2019; **Dr. Sanjay Bajpai**: Head, Technology Missions Division (Energy, Water & all Other), Department of Science and Technology, Government of India; **Prof. K. J. Nath**, Chairman, Arsenic Task Force and Advisor (SISSO) and **Dr. Kshipra Misra**, Convener, WCPHS & President, STE.



## Activities



**Prof. Arunabha Majumdar** welcoming Hon. Jal Shakti Minister of Government of UP and chief guest of the conference, **Dr. Mahendra Singh**



**Prof. Arunabha Majumdar** honouring **Dr. Rajendra Singh**



**Prof. Arunabha Majumdar** honouring **Dr. Sanjay Bajpai**

| Sl.No | Name of Award  | Recipient Name                  | Designation and Affiliation  |
|-------|--|---------------------------------|--|
| 1.    | <b>STE Dr. APJ Abdul Kalam Award</b>                     | <b>Dr. A. K. Datta</b>          | Former CCR&D (M&LS), DRDO, New Delhi   |
| 2.    | <b>STE Dr. Praloy O.Basu Life Time Achievement Award</b> | <b>Prof. K. J. Nath</b>         | Chairman, Arsenic Task Force, West Bengal & President, Institution of Public Health Engineers, India, Kolkata                              |
| 3.    | <b>STE Green Excellence Award</b>                        | <b>Dr. Alok Adholeya</b>        | Senior Director, Sustainable Agriculture Division, IHC, TERI, New Delhi & Director, TERI Deakin Nanotechnology Centre, TERI Gram, Gurugram |
|       |  | <b>Dr. Rakeshwar Bandichhor</b> | Head, Chemistry-API-PR&D& Vice Chair, ACS-India Chapter (South) Innovation Plaza, Dr. Reddy's Laboratories Ltd., Hyderabad                 |
| 4.    | <b>STE Fellowship Award</b>                              | <b>Dr. S. K. Goyal</b>          | Senior Principal Scientist and Head, CSIR-NEERI, Delhi Zonal Center, New Delhi   |
|       |  | <b>Dr. Prashant Singh</b>       | Associate Professor in Chemistry, DAV (PG) College & District Coordinator, UCOST, Dehradun   |
| 5.    | <b>STE Women Excellence Award</b>                        | <b>Dr. Susan Titus</b>          | Scientist 'G' & Head, Marine Biotechnology, NMRL (DRDO) Ambernath  |
|       |  | <b>Dr. Anju Srivastava</b>      | Principal, Hindu College University of Delhi, Delhi  |

## Activities

| Sl.No | Name of Award                    | Recipient Name          | Designation and Affiliation   |
|-------|----------------------------------|-------------------------|---|
| 6.    | STE Water Award                  | Prof. Amlan Chakraborty | Professor and Director,<br>A.K.Choudhury School of Information Technology, University of Calcutta, Kolkata                  |
|       |                                  | Dr. Nupur Bahadur       | Fellow, Water Research, The Energy and Resources Institute (TERI), Delhi.   |
| 7.    | STE Best Teacher Award           | Ms. Preeti Jain         | PGT Chemistry,<br>Ryan International School, Delhi  |
|       |                                  | Dr. Adit Bedi           | PGT Chemistry, St. Mark's Sr. Sec. Public School, New Delhi.  |
| 8.    | STE Innovation Award             | Dr. Vaishali Mishra     | HOD, Chemistry Department<br>ITL Public School, Dwarka<br>New Delhi.  |
|       |                                  | Mr. Shrikant Gangwar    | Research Scholar,<br>Barkatullah University, Bhopal   |
| 9.    | STE International Achiever Award | Dr. Satinder Brar       | Professor and James and Joanne Love Chair in Environmental Engg.,<br>Lassonde School of Engineering,<br>York Univ., Toronto |
|       |                                  | Dr. Prosun Bhattacharya | Department of Sustainable Development,<br>KTH Royal Institute of Technology,<br>Stockholm                                   |
| 10.   | STE Meritorious Award            | Prof. Renu Deswal       | Professor, Department of Botany<br>University of Delhi, Delhi   |
|       |                                  | Dr. Imteyaz Qamar       | Assistant Professor, School of Biotechnology, Gautam Buddha University, Greater Noida                                       |
| 11.   | STE Young Researcher Awards      | Dr. Priyanka Sharma     | Scientist 'B', DIPAS (DRDO), Delhi  |
|       |                                  | Dr. Tanupriya Choudhury | Associate Professor, Department of Informatics, UPES, Dehradun  |
|       |                                  | Dr. Divya Sharma        | Assistant Professor, Department of Zoology, National P.G. College, Gorakhpur  |
|       |                                  | Dr. Anuja Bhardwaj      | Research Associate, Division of Agricultural Chemicals, ICAR-IARI, Delhi.   |
|       |                                  | Dr. Sriparna Dutta      | Assistant Professor, Department of Chemistry, University of Delhi   |
|       |                                  | Dr. Manavi Yadav        | Assistant Professor, Department of Chemistry, Hindu College, Delhi  |

# Activities

| Sl.No | Name of Award | Recipient Name           | Designation and Affiliation                                  |
|-------|---------------|--------------------------|--|
|       |               | <b>Mr. Arup Giri</b>     | Senior Research Fellow, DIHAR (DRDO), Chandigarh             |
|       |               | <b>Ms. Jigni Mishra</b>  | Senior Research Fellow, DIPAS (DRDO), Delhi                  |
|       |               | <b>Mrs. Rinki Mishra</b> | Dr. B. Lal Institute of Biotechnology Singasandra, Bangalore |



**STE Dr. APJ Abdul Kalam Award being conferred on Dr. A. K. Datta, Former CCR&D, DRDO**



**STE Green Excellence Award being conferred on Dr. Alok Adholeya, Senior Director, Sustainable Agriculture Division, TERI, New Delhi**



**Sh. Praloy O. Basu lifetime Achievement award being conferred on Prof. K. J. Nath, Chairman, Arsenic Task Force**



**Woman Excellence Award being conferred on Dr. Anju Srivastava, Principal, Hindu College, D.U.**



**STE Young Researcher Award being conferred to Dr. Manavi Yadav**



**STE Young Researcher Award being conferred to Dr. Anuja Bhardwaj**



**Dignitaries releasing the abstract booklet of the conference WCPHS 2019.**



**Dr. Sanjeev K. Varshney, Head of International Cooperation (Bilateral), Department of Science and Technology, Govt. of India kindly graced the valedictory as the chief guest.**



# Activities

## Opening of Science Exhibition

The science exhibition was declared open by our esteemed guest Dr. Rajendra Singh. The bright minds of ITL Public school guided by their teachers Dr. Vaishali Mishra and Ms. Shikha Sikka displayed innovative models for water conservation. Dr. Singh uttered: “We are proud of the school children who have directed immense efforts and prepared some innovative science models and they definitely are appreciated for the same.”



## Activities

### **6e. December 2019:**

#### **Awareness Program on 'Plastic free Zone'**

#### **13<sup>th</sup> Dec., St. Peter's School, Durgapur, Kolkata**

On 13<sup>th</sup> Dec., 2019 STE organized an awareness programme in St. Peter's School, Durgapur. The topic was 'Plastic Free Zone'. The programme aimed to reduce and eliminate single use plastics like plastic bottles, straws, utensils, plastic bags and plastic food packaging etc. STE organized slogan-competition among students of different classes. The intent of the programme was to make the participants, especially the students, to understand the great havoc caused by the plastic to the environment. The overall emphasis was on three R's of waste management: Reduce, Reuse and Recycle.

## 7. Members of STE

### 7a. Life Members (LM)

| Sl. No | Name                      | Designation  | Email                              |
|--------|---------------------------|--|------------------------------------|
| 1      | Dr. Kshipra Mishra        | President STE<br>Former Director DRDO                                    | kmisra99@gmail.com                 |
| 2      | Mrs. Chhanda Basu         | General Secretary &<br>Social Worker                                     | save1990env@yahoo.co.in            |
| 3      | Mr. Sanjit Mitra          | Treasurer, STE   | mitra_sanjit@yahoo.com             |
| 4      | Mrs. Shubhra Misra        | Vice President<br>Self Employed  | s.misra1952@gmail.com              |
| 5      | Mr. Dipankar Chakraborty  | JT. Secretary<br>Businessman   | dipankarchakraborty.7119@gmail.com |
| 6      | Dr. Sucheta Chakraborti   | Scientist, DRDO  | suchetachake61@gmail.com           |
| 7      | Ms. Rajyasree Ghosh       | Oncologist   | rghosh2011@sbcglobal.net           |
| 8      | Mrs. Rupasree Shome       | House Wife   | rghosh2011@sbcglobal.net           |
| 9      | Dr. Jayshree Bhattacharji | Former Director<br>Professor & HOD                                       | -                                  |
| 10     | Mr. Om P. Vishwakarma     | Former General<br>Manager - SAIL   | vishwakarmaop12@gmail.com          |
| 11     | Mrs. Ruma Paramanik       | Social Worker  | —                                  |
| 12     | Mr. Debashis Gupta        | Social Worker  | deb.dgp@gmail.com                  |
| 13     | Dr. Vaishali Mishra       | Teacher  | drvaishalimishra2019@gmail.com     |
| 14     | Mrs. Suparna Kundu        | CI   | Mouny477@gmail.com                 |
| 15     | Dr. Amit Ganguly          | Corporate Trainer<br>(Business Excellence)                               | aganguly1946@gmail.com             |
| 16     | Dr. Priyanka Sharma       | Scientist 'B'  | ps24july@yahoo.com                 |
| 17     | Dr. Kalpana Bhargava      | Scientist 'F'  | Kalpanab2006@gmail.com             |
| 18     | Dr. Shoma Paul Nandi      | Professor and Centre<br>Head, Cellular and<br>Molecular<br>Biotechnology | shoma.amity@gmail.com              |
| 19     | Ms. Priti Kataria         | Vice President and<br>Global HR Head-BFSI<br>Business Unit               | priti@katarias.in                  |
| 20     | Ms. Aarushi Kataria       | Student  | aarushikataria10@gmail.com         |
| 21     | Dr. Susan Titus           | Scientist 'G'  | stitus@rediffmail.com              |



| Sl. No | Name                     | Designation   | Email                          |
|--------|--------------------------|---|--------------------------------|
| 22.    | Ms. Shachi Atreya        | Principal, Adarsh Vidyalaya, Haridwar                         | —                              |
| 23.    | Dr. Sujata Kelkar        | Private Practitioner  | —                              |
| 24.    | Dr. Murlidhar Jaywantrao | Scientist 'F'   |                                |
| 25.    | Dr. Anuja Bhardwaj       | Research Associate, IARI                                      | anujabhardwaj75@gmail.com      |
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| 27.    | Ms. Jigni Mishra         | Research Associate, STE                                       | jignimishra@gmail.com          |
| 28.    | Ms. Shereen Bajaj        | Research Scholar, STE   | shereen.bajaj17@gmail.com      |
| 29.    | Dr. Mamta                | Associate Professor<br>Galgotias University<br>Greater NOIDA  | mamataforensic@gmail.com       |

#### 7b. Annual Members (AM)

| AM No. | Name              | Designation   | Email                        |
|--------|-------------------|---|------------------------------|
| 1      | Mr. Anivesh Joshi | M.Sc., Microbiology   | Joshiankoo778@gmail.com      |
| 2      | Dr. Bibha Kumari  | Guest Faculty   | bibhak136@gmail.com          |
| 3      | Mrs.Rinki Mishra  | Junior Research Scientist   | rinki.bibt@gmail.com         |
| 3      | Dr. Divya Sharma  | Assistant Professor<br>Zoology Department<br>National P.G. College<br>Gorakhpur, U.P. | divyasharma.iitr11@gmail.com |

#### 7c. International Member

| AM No. | Name                   | Designation  | State  | Email                           |
|--------|------------------------|--|--------|---------------------------------|
| 1      | Dr. Satinder Kaur Brar | Professor and James and Joanne Love Chair in Environmental Engineering | CANADA | satinder.brar@lassonde.yorku.ca |







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