



PRAKRITI SANRAKSHAN

Newsletter

Volume 4, Issue 4, Oct.-Dec., 2023



If you believe in our ideology and wish to step up for the environment, we welcome you to join our organisation and together we can save the environment. Visit- <https://stenvironment.org/>

Follow the link, choose the kind of membership that suits you and fill-up the form.

ABOUT US

Save the Environment (STE)

SAVE THE ENVIRONMENT (STE) is the organization that aims to spread awareness to the society about environment, health and water. It was founded and registered on 19th November 1990. STE has collaborated with various organizations in the past 33 years such as All India Institute of Hygiene & Public Health, AIIH&PH and India Canada Environment Facility, DRDO, Ministry of Defence, Department of Science and Technology (DST),

Indian Institute of Management (IIM), Ahmedabad to mitigate the effects of arsenic and provide arsenic-free drinking water.

The vision of the society is to protect present and future generations from various Environmental Hazards. The NGO has been actively organizing various interactive sessions such as conferences (National and International), workshops, seminars and awareness programs including poster competitions, quiz competitions, science exhibitions and webinars among the future generations.

HUMBLE APPEAL FOR DONATING FUNDS FOR "THE PURULIA PROJECT FOR TOILETS AND DRINKING-CUM-WASH WATER UNITS"

Dear all,

Hope this message finds you in good health.

'Alone we can do so little; together we can do so much': these words of Helen Keller depict the resounding truth that we can make a big impact, by coming together for the larger good of the society. Save The Environment (STE), a registered society for research, awareness and social development headquartered in Kolkata, West Bengal abides by the said quote and we at STE are continually working towards building a better and healthier environment for all (Please visit for details: <https://www.stenvironment.org>)

As part of our humble social pursuit, we plan to undertake the 'Purulia Project for Toilets and Drinking-cum-Wash water units' that will benefit the needy households at Sabar Tola, Bonkanali village, Purulia, West Bengal- an economically weaker ethnic community of the state. Since long, the families residing in this area have been facing severe difficulties due to the lack of proper water supply and sanitation facilities. This is ironic and in contrast to the wake of urbanization, especially in the post-pandemic world, where green environment, clean water and proper hygiene are the absolute requirements for a healthy life. In this regard, STE requests all esteemed patrons to kindly come forward and support us in accomplishing our efforts for enabling access to basic amenities like water and sanitation for the residents of Sabar Tola. Your generous and benevolent donation will be a big help for us to accomplish our endeavour, and together we can succeed in bringing a smile to several underprivileged persons of the community.

We earnestly request your support and thank you for being with us in our efforts!

P.S.: Details of the proposed work are given in the pamphlet. All donations. will be covered under 80G.

Please feel free to reach us in case of any query or concern.

With humble regards,

Contact details:

Phone: 9871372350; 9830779260 • Email: info@stenvironment.org

Account details for donating funds:

ONLINE PAYMENT:

Name of the Account: **SAVE THE ENVIRONMENT**

Account Number: **38041963371**

Bank and Branch: **State Bank of India, Lake Town, Kolkata**

IFSC Code: **SBIN001506** OR GOOGLE PAY to: **Mrs. Chhanda Basu; Mobile 9830779260**

विनम्र अपील

पुरुलिया परियोजना के लिए राशि दान करने की विनम्र अपील

प्रिय साथियों,

आशा है कि यह संदेश आपको अच्छे स्वास्थ्य में मिलेगा। जहाँ सोच स्वस्थ होगी, वहीं शौचालय का निर्माण होगा।

स्वास्थ्य संकट को रोकने व देश की गरिमा बनाए रखने के लिए शौचालय महत्वपूर्ण हैं। विशेषकर महिलाओं के लिए ये सुविधा अपरिहार्य है। एस.टी.ई. का यह प्रयत्न है कि सरकार की 'स्वच्छ भारत' की मुहिम में यथासंभव अपरोक्ष रूप से सहयोग कर सके। किन्तु सभी के सहयोग के बिना ये कार्य संभव नहीं। 'अकेले हम इतना कम कर सकते हैं; एक साथ हम बहुत कुछ कर सकते हैं': हेलेन केलर के ये शब्द उस प्रबल सत्य को दर्शाते हैं कि हम समाज के बड़े अच्छे के लिए एक साथ आकर एक बड़ा प्रभाव डाल सकते हैं। पर्यावरण बचाओ (एसटीई), एक पंजीकृत सोसायटी, उक्त उद्धरण का पालन करती है और हम एसटीई के सदस्य सभी के लिए एक बेहतर और स्वस्थ वातावरण बनाने की दिशा में लगातार काम कर रहे हैं (विवरण के लिए कृपया देखें: <https://www.stenvironment.org>)

हम 'शौचालयों और पेयजल के पानी की इकाईयाँ' के लिए पुरुलिया परियोजना शुरू करने की योजना बना रहे हैं, जो सबर टोला, बोंकनाली गांव, पुरुलिया, पश्चिम बंगाल में जरूरतमंद परिवारों को लाभान्वित करेगी— जो आर्थिक रूप से कमजोर है। लंबे समय से, इस क्षेत्र में रहने वाले परिवारों को उचित जल आपूर्ति और स्वच्छता सुविधाओं की कमी के कारण गंभीर कठिनाइयों का सामना करना पड़ रहा है। इस संबंध में, एसटीई सभी सम्मानित संरक्षकों से अनुरोध करता है कि कृपया आगे आएँ और सबर टोला के निवासियों के लिए पानी और स्वच्छता जैसी बुनियादी सुविधाओं तक पहुंच को सक्षम करने के हमारे प्रयासों को पूरा करने में हमारा समर्थन करें। आपका उदार और परोपकारी दान हमारे प्रयास को पूरा करने के लिए एक बड़ी मदद होगी, और साथ में हम समुदाय के कई वंचित लोगों के लिए मुस्कान लाने में सफल हो सकते हैं। हम ईमानदारी से आपके समर्थन का अनुरोध करते हैं और हमारे प्रयासों में हमारे साथ रहने के लिए धन्यवाद! प्रस्तावित कार्य का विवरण पैम्फलेट में दिया गया है। सभी दान 80जी के तहत कवर किए जाएंगे।

कृपया किसी भी प्रश्न के मामले में हमसे बेझिझक संपर्क करें।

विनम्र अभिवादन के साथ,

टीम एसटीई

संपर्क विवरण:

फोन: 9871372350; 9830779260 ई-मेल: info@stenvironment.org

धनराशि दान करने के लिए खाता विवरण:

ऑनलाइन भुगतान:

खाते का नाम: **पर्यावरण बचाओ**

खाता संख्या: **38041963371**

बैंक और शाखा: **भारतीय स्टेट बैंक, लेक टाउन, कोलकाता**

IFSC कोड: **SBIN001506** या

GOOGLE को भुगतान करें: श्रीमती छंदा बसु; मोबाइल 9830779260

**Report of
NATIONAL CONFERENCE
ON
ENVIRONMENT, WATER, AGRICULTURE,
SUSTAINABILITY AND HEALTH (EWASH-
2023): STRATEGIZING A GREENER FUTURE
&
5th Annual Meet of STE**

22nd - 23rd December, 2023

At
SWAMI RAMA HIMALAYAN UNIVERSITY
Jolly Grant, Dehradun, Uttarakhand

***“Protect the blue and green Make the Earth
pristine”***

Jointly organized by



SWAMI RAMA HIMALAYAN UNIVERSITY
Jolly Grant, Dehradun, Uttarakhand

&



Save The Environment

(A Society for Research Awareness and Social Development)

Kolkata / Gurugram

National Conference on Environment, Water, Agriculture Sustainability and Health (EWASH 2023) was jointly conducted by SWAMI RAMA HIMALAYAN UNIVERSITY, Jolly Grant, Dehradun and SAVE THE ENVIRONMENT (STE), Kolkata on 22nd to 23rd Dec. 2023. It was the 5th Annual Meeting of STE. The National Academy of Sciences, Prayagraj, Uttar Pradesh and D.A.V. (PG) COLLEGE DEHRADUN, UTTARAKHAND were the co-sponsor for this event. The theme of the event was ***“Protect the blue and green Make the Earth pristine.”***

Dr. Kshipra Mishra (President STE) discussed about a synchronized approach taking multidisciplinary aspects forms the core of adaptation to climate change and serves as a crucial link between climate systems, human society, and the environment. Further she mentioned that

addressing concerns and potential measures to create a resilient protocol for environment and water management is the crucial need of the hour. Sustainable solutions and appropriate guidelines to improve human health is the key to an accentuated society.

She also thanked 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; Co-conveners 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, Save The Environment, Uttarakhand Chapter and the entire organizing committee for their whole hearted and dedicated commitment in organizing the conference.

Prof. Arunabha Majumdar, Chairman, Indian Water Works Association (IWWA) and Ex Director, Professor & Head, Department of Sanitary Engineering, AIIH&PH, Kolkata and Guest Professor, School of Water Resources Engg., Jadavpur University, also graced the occasion as patron. Prof. Majumdar greatly appreciated the work and efforts done by the organizing committee and lauded the successful completion of the conference.

Dr. Vijay Dhasmana, Chancellor, Swami Rama Himalayan University, welcomed the guests and participants. He discussed about his views about the theme ***“Protect the Blue and Green, Make the Earth Pristine”***.

Dr. Rajendra Dobhal, Vice Chancellor, Swami Rama Himalayan University, welcomed the guests and thanked all the members for their tireless efforts in organizing the conference.

Dr. S.K. Goyal, Chief Scientist and Head NEERI addressed the gathering with his encouraging words and thanked the whole team for their relentless efforts for organizing the conference.

Dr. Sankha Chakraborty, Assistant Professor Kalinga School of Biotechnology/Chemical Technology extended his heartfelt commendation and profound gratitude to the



esteemed leadership of “Swami Rama Himalayan University” and “Save the Environment”, as well as to all the diligent members of the organizing committee, for their unwavering dedication in materializing this conference.

Further, the abstract book was released.

A total of 52 talks and presentations were made including several Invited talks, oral and poster presentations.

Following STE Annual Awards for 2023 were presented at the end of first day of conference.

STE Dr. APJ Abdul Kalam Award

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 Lifetime Achievement Award

Dr. Rajendra Dobhal

Vice Chancellor, Swami Rama Himalayan University, Jolly Grant, Dehradun & Former DG, UCOST, Uttarakhand

STE Green Excellence Award

Prof. Paromita Chakraborty

Professor & Head, Centre for Research in Environment, Sustainability Advocacy and Climate Change, SRMIST, Tamil Nadu

STE FELLOWSHIP AWARD

Dr. A. Arunachalam

Director, ICAR-Central Agroforestry Research Institute, Jhansi, Uttar Pradesh

Dr. Sushil K. Singh

Scientist 'F' & Additional Director, Solid State Physics Laboratory, DRDO, Delhi

Dr. Biswajit Ruj

Chief Scientist, CSIR-Central Mechanical Engineering Research Institute, Durgapur, West Bengal

Prof. Sunil Kumar

Principal, DAV (PG) College, Dehradun, Uttarakhand

STE International Achiever Award

Prof. Shubhankar Suman

Associate Professor, SOM-Oncology Academic Department, Georgetown University, USA

STE Water Award

Dr. Prashant Singh

Professor, Department of Chemistry, DAV (PG) College, Dehradun, Uttarakhand

Dr. Gaurav Saxena

Assistant Professor, School of Biotechnology, Shoolini University, Himachal Pradesh

STE Women Excellence Award

Prof. Veena Pande

Head, Department of Biotechnology, Kumaun University, Nainital, Uttarakhand

STE Women Excellence Award

Prof. Kusum Arunachalam

Professor, School of Environment and Natural Resources, Doon University, Dehradun, Odisha

Dr. Amrita Mishra

Associate Professor, School of Biotechnology, KIIT, Bhubaneswar, Odisha

Dr. Kanchan Karki

Scientist B, Centre of Excellence for Mountain Biology, Uttarakhand Council for Biotechnology, Govt. of Uttarakhand

STE Humanitarian Award For NGO

Hundred Miles Welfare Association, Kolkata

STE Green Campus Award

Swami Rama Himalayan University

Jolly Grant, Uttarakhand

STE Innovation Award

Mr. Abhrajit Chatterjee, Managing Director, Salico Metal Solutions, Kolkata

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 Best School Principal Award

Mr. John Paramata,

Principal, St. Peter's School, Durgapur

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. Archana 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, OdishaFinally, the conference concluded on 23rd December after a Field visit and Lab tour at Department of Bio-Sciences, SRHU, Dehradun.

Glimpses of the EWASH 2023



Glimpses of the EWASH 2023



Glimpses of the EWASH 2023



IMPORTANT DAYS AND ACTIVITIES IN OCTOBER/NOVEMBER/DECEMBER 2023

Prof. V. Sunitha

Department of Geology,

Yogi Vemana University, Kadapa, A.P. 516005

Email: Vangalasunitha@gmail.com

1 October: International Day of the Older Persons

Every year on October 1st, the International Day of the Elderly is held to raise awareness of issues affecting the elderly and to encourage the growth of a society that is inclusive of people of all ages. The International Day of Older Persons was established by a resolution passed by the UN General Assembly on December 14, 1990.



1 October: International Coffee Day



Every year on October 1st, the International Day of the Elderly is held to raise awareness of issues affecting the elderly and to encourage the growth of a society that is

inclusive of people of all ages. The International Day of Older Persons was established by a resolution passed by the UN General Assembly on December 14, 1990.

1 October: World Vegetarian Day

Annually, on October 1st, is commemorated as World Vegetarian Day. It was established in 1977 by the North American Vegetarian Society (NAVS), and the International Vegetarian Union supported it in 1978.



2 October: Gandhi Jayanti



Every year on October 2nd, Gandhi Jayanti is observed to commemorate the anniversary of Gandhi's birth. He was born in Porbandar, Gujarat, on October 2nd, 1869. Both our lives and the lives of well-known international

leaders are inspired by him.

2 October: International Day of Non-Violence

On October 2, the world observes the International Day of

Nonviolence in honour of Mahatma Gandhi, who was instrumental in securing India's independence. The International Day of Non-Violence was established by a resolution passed by the General Assembly on June 15, 2007, to promote non-violence through education and public awareness.



3 October: World Habitat Day



Every year on the first Monday of October, people around the world celebrate World Habitat Day. The first time it was observed globally was in 1986 after the UN General Assembly declared it in December 1985.

4 October: World Animal Welfare Day

On October 4, people around the world observe World Animal Wellbeing Day to spread awareness of the importance of defending the rights and welfare of animals. The world needs to raise its standards for welfare.



5 October: World Teachers' Day



Every year on October 5th, people all around the world observe World Teachers' Day to mark the approval of the ILO/UNESCO Recommendation concerning the Status of Teachers in 1966. Without a doubt, this recommendation establishes standards for the duties and rights

of instructors, as well as for education, hiring, and employment.

7 October: World Cotton Day

The goal of the worldwide celebration on October 7 is to raise awareness of the value of cotton.



8 October: Indian Air Force Day



Day

Indian Air Force Day is celebrated on 8 October all over India. On 8 October 1932 Indian Air Force Day was established.

9 October: World Postal Day

Every year on October 9, people throughout the world commemorate World Postal Day to increase awareness of the importance of the postal service to individuals and companies.



10 October: World Mental Health Day



Every year on October 10, people throughout the world celebrate World Mental Health Day to raise awareness about the prevalence of suicide and the part that each of us can play in preventing it. The World Federation for Mental Health is responsible for organizing this day.

11 October: International Day of the Girl Child

On October 11, it is International Day of the Girl Child, a day set aside to advocate for girls' rights.



13 October: International Day for Disaster Risk Reduction



Every year on October 13th, the International Day for Natural Catastrophe Reduction is commemorated to increase public awareness of the risk of disaster reduction. The

UN General Assembly established the International Day of Disaster Risk Reduction in 1989.

13 October: World Sight Day

On the second Thursday of the month of October, World Sight Day is honoured. It falls on October 13 in 2022. The purpose of World Sight Day is to raise public awareness of blindness and vision impairment.



14 October: World Standards Day



Every year on October 14, World Standards Day is commemorated to increase awareness among regulators, business, and consumers of the value of standardisation to the global economy.

15 October: Global Handwashing Day

The Global Handwashing Partnership established Global Handwashing Day, which is celebrated annually on October 15. This day offers the chance to develop, test, and reproduce original strategies for motivating individuals to wash their hands with soap at crucial moments. The first Global Handwashing Day was observed in 2008.



15 October: World White Cane Day



According to the National Federation of the Blind, World White Cane Day is observed on October 15. For blind individuals, a white cane is a crucial instrument that enables them to lead full and independent lives. They can move freely and safely from one location to another with the aid of a

white cane.

15 October - "World Students Day"

Every year on October 15th, World Students' Day is commemorated to commemorate A.P.J. Abdul Kalam's birth anniversary. On this day, he is honoured for his contributions to science and technology as well as for the role of teacher he performed throughout his scientific and political careers.



16 October - World Food Day



Every year on October 16th, World Food Day is observed to promote a healthy diet. The United Nations founded and launched the Food and Agriculture Organization on this date in 1945.

16 October: World Anaesthesia Day

The first successful demonstration of diethyl ether anaesthesia in 1846 is commemorated on October 16 as World Anaesthesia Day.



16 October: World Spine Day



In order to raise awareness of the burden of spinal pain and disability worldwide, it is marked on October 16.

17 October: International Day for the Eradication of Poverty

Every year on October 17th, people worldwide mark the International Day for the Eradication of Poverty. On this date in 1989, the United Nations Convention on the Rights of the Child (UNCRC) was ratified.



20 October: World Statistics Day



On October 20th, a global day of statistics is observed every five years. On October 20, 2010, this day was observed for the first time. The third World Statistics Day was observed this year. The United Nations Statistical Commission established the day to recognize the significance of data trustworthiness and authenticity on a global scale.

21 October: Police Commemoration Day

On October 21, a day of remembrance is held in their honour for police officers who have given their lives in the line of duty.



24 October: United Nations Day



Every year on October 24th, United Nations Day is marked to commemorate the day the UN Charter went into effect. This day has been observed since 1948, and the United Nations General Assembly suggested that Member States commemorate it as a public holiday in 1971.

24 October: World Development Information Day

Every year on October 24, the world observes World Development Information Day to raise awareness of development issues and the necessity of bolstering international collaboration in order to address them.



30 October: World Thrift Day



Every year, World Thrift Day is marked on October 31 internationally and on October 30 in India. This day is dedicated to encouraging savings globally.

31 October: Rashtriya Ekta Diwas or National Unity Day

The day after Sardar Vallabhai Patel's birthday, October 31st, is designated as Rashtriya Ekta Diwas, or National Unity Day. He had been crucial in bringing the nation together.



November 1: World Vegan Day



World Vegan Day is observed annually on November 1st to increase public understanding of the advantages of a vegan diet and veganism in general. On November 1, 2022, the inaugural Vegan Day was observed to mark the 51st anniversary.

November 1: All Saints' Day

All Saints Day is celebrated on November 1st each year to remember and honour all the saints. Christians view it as a chance to honour all saints and martyrs — known and unknown — from the course of Christian history. All Hallows' Day and Halloween are other names for All Saints' Day.



3 November: World Jellyfish Day



World Jellyfish Day has been scheduled to occur in the springtime in the southern hemisphere because this is the time of year when jellyfish begin to migrate to the coastlines of the northern hemisphere.

3 November: World Sandwich Day

John

Montagu, 4th Earl of Sandwich is believed to be the sandwich's namesake due to the claim that he invented it. This holiday celebrates the variety of flavours present in the standard evening meal.



November 5: World Tsunami Awareness Day

On November 5th, it is recognized as World Tsunami Awareness Day to raise awareness of the risks posed by



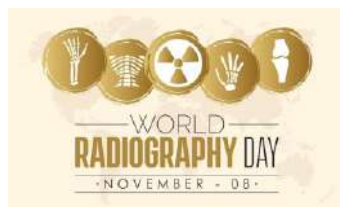
tsunamis and the value of early warning systems in reducing natural disaster damage. To raise awareness of the problem, many groups disseminate traditional knowledge about tsunamis.

6 November: National Nachos Day

On November 6, National Nachos Day is observed to honour the dish that is widely eaten at sporting events across the nation. Nachos are just tortilla chips covered with salsa and melted cheese, whether it be nacho, queso, or another sort.



8 November: World Radiography Day



Radiographers all around the world can take advantage of the day and the days leading up to it to promote radiography as a profession, as a crucial component of

contemporary healthcare, and as an opportunity to raise public understanding of radiation treatment and diagnostic imaging.

8 November- 'Guru Nanak Devs Birth Anniversary'

The annual celebration of Guru Nanak Jayanti honours the birthday of the Sikh founder, Guru Nanak Dev. The Sikh community celebrates Prakash



Utsav, also known as Guru Purab, which is the 552nd anniversary of Guru Nanak's birth.

9 November: National Legal Services Day



The ninth of November is recognized as National Legal Services Day in India to increase awareness among citizens in communities with low levels of legal literacy. People have been aware of

the shortage of legal literacy.

10 November: World Science Day for Peace and Development

Every year on November 10, the world celebrates World Science Day for Peace and Development to



honour the value of science in modern society. It also underlines how crucial it is to include members of the public in conversations regarding cutting-edge scientific topics.

10 November: World Usability Day (2nd Thursday in November)



World Usability Day is observed on the second Thursday of every November. World Usability Day falls on November 10th this year. On this day, many communities

get together to celebrate how we can all work together to improve the world.

11 November – Armistice Day (Remembrance Day)

The 11th of November, commonly known as the Laemistice of the First World War, is recognised as Armistice Day in France. Additionally, the conclusion of World



War I is remembered on this day. This day is also observed as Remembrance Day in certain nations.

11 November- National Education Day

**NATIONAL
EDUCATION
DAY**



It is observed on November 11 to mark the anniversary of the birth of Maulana Abul Kalam Azad, India's first minister of education. The Minister served as India's first autonomous education

minister from 1947 to 1958.

12 November: World Pneumonia Day



On November 12th, there is a celebration of World Pneumonia Day to increase public awareness of the disease and its prevention. Children under the age of five are most affected by

this, which is said to be the most common infectious disease in the world.

13 November: World Kindness Day

The annual World Kindness Day is observed on November 13th. This day's major objective is to provide everyone the opportunity to consider and uphold one of the most significant



and distinctive human concepts. This day also encourages modest deeds of goodwill.

14 November: 'Childrens Day, Jawaharlal Nehru Jayanti'



Children's Day is observed in India on November 14th of each year. Bal Divas is another name for this. People are educated about the rights, care, and education of children on this day. Jawaharlal Nehru,

India's first prime minister, celebrated his birthday on this day. The day is meant to honour Kalam's contributions to students and education.

14 November: World Diabetes Day

The first Prime Minister of Independent India was born on November 14, 1889, in Allahabad, Uttar Pradesh. Children's Day is marked in India on the anniversary of Jawaharlal Nehru's birth.



16 November: International Day for Tolerance



On November 16, the International Day of Tolerance is observed to raise awareness about the importance of tolerance by encouraging mutual understanding among cultures and peoples. By resolution 51/95, the UN General Assembly invited UN Member States to observe the

International Day of Tolerance on November 16, 1996.

17 November: International Students Day

The Nazi troops established International Students Day on November 17, 1939. On this day, there were 9 student leaders, and the students' bravery during this incident was exceptional.



17 November: National Epilepsy Day



National Epilepsy Awareness Day is November 17th. In this regard, the primary goal is to raise public awareness of epilepsy disease, its symptoms, and its prevention. Epilepsy is thought to be a chronic brain disorder marked by recurrent seizures or "fits." This has been observed to affect people of all ages,

and each person has their own set of concerns and problems to deal with.

17 November: World Chronic Obstructive Pulmonary Disease Day or World COPD Day

Every year on November 17th, World Chronic Obstructive Pulmonary Disease Day, or World COPD Day, is observed. This year's theme is "Healthy Lungs - Never More Important."



19 November: World Toilet Day



Every year on November 19th, World Toilet Day is observed. This day is primarily about inspiring people to address the global sanitation crisis

and achieve Sustainable Development Goal (SDG) 6, which promises sanitation for all by 2030. According to UNICEF and WHO, approximately 60% of the global population, or approximately 4.5 billion people, do not have toilets at home or do not know how to properly dispose of toilet waste.

19 November: International Men's Day

The main theme of International Men's Day is to promote men's and boys' health. Every year on November 19th, International Men's Day is observed, and this day highlights the major issues confronting men worldwide.



20 November: Universal Children's Day



Every year on November 20th, Universal Children's Day is observed. This day is primarily intended to promote international

cooperation, raise awareness among children worldwide, and improve children's welfare. On November 20, 1954, Universal Children's Day was established.

20 November: Africa Industrialization Day

Every year on November 20th, Africa Industrialization Day is observed to raise awareness about the problems and



challenges of African industrialization. It has also been observed that governments and other organizations in various African countries are focusing on different ways to stimulate Africa's industrialization process.

21 November: World Television Day



Every year on November 21st, World Television Day is observed. According to the UN, on this day, the daily role of television is highlighted as it presents various issues

that affect people. This day is observed as the acceptance of the impact and reach of geo-televisual communication on the global scenario.

21 November: World Day of Remembrance for Road Traffic Victims

Every year, the 21st of November is designated as World Day of Remembrance for Road Traffic Victims. This day emphasizes how the number of annual road traffic fatalities has increased. There has been an increase in road traffic injuries, and there are now some leading killers of people aged 5 to 29 years.



24 November: Thanksgiving Day (Fourth Thursday in November)

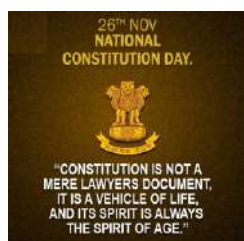


It is observed on the fourth Thursday of November, and this year it is celebrated on November 24. It is a national holiday in the United States. The day celebrates the annual

harvest and other blessings of the past year.

26 November: National Milk Day

It is observed on 26 November to commemorate the birth anniversary of Dr. Verghese Kurien, the father of India's White Revolution.



26 November: Constitution Day of India

Every year on November 26th, India observes Constitution Day, also known as Law Day or Samvidhan Divas. On November 26, 1949,

India's Constituent Assembly adopted the Indian Constitution. This took effect on January 26, 1950.

1 December-World Aids Day

This day is dedicated to raising HIV awareness and putting an end to the epidemic." This year's WAD theme is: Let Communities Lead. Putting an end to the HIV/AIDS epidemic: equitable access, everyone's voice").



2 December-National Pollution Control Day



This day is commemorated to raise awareness about pollution and its negative consequences. It is commemorated to honour the victims of the Bhopal Gas Disaster.

3 December- World day of the handicapped

This day raises awareness about the importance of welcoming people with disabilities."Transformative solutions for inclusive development: the role of innovation in fueling an accessible and equitable world." is the theme for IDPD 2023.



4 December- Indian Navy Day



This is commemorated in order to highlight the achievements and contributions of the Indian Navy.

5 December-International Volunteer Day

This day is commemorated to honour the contributions and efforts of volunteers and organizations.



5 December-World Soil Day

"Soils: Where food begins " is the theme for 2023. This day is celebrated for raising awareness about the importance of soil and healthy ecosystems.



7 December- Armed Forces Flag Day

This is another notable day in December when contributions are collected from

the general public and martyrs at the border are honoured.

7 December - International civil aviation day

This is commemorated around the world to



promote awareness about the socio-economic growth of countries and the role of the International Civil Aviation Organization (ICAO) in international air transport.

9 December- International Anti-corruption day

This is observed to demonstrate how corruption harms health, education, democracy, justice, and development.



10

December- Human rights day

This day is marked to safeguard all people's human rights and freedoms around the world. This day is observed to protect the human rights and freedom of all individuals globally.

11 December - International mountain day

This day is commemorated to teach young children about the importance of mountains in human lives.



11 December-UNICEF Day

Every year on December 11, UNICEF Day is commemorated. On December 11, 1946, the United Nations General Assembly established UNICEF as the United Nations International Children's

Emergency Fund in order to enhance the health, nutrition, education, and general welfare of children who had been

impacted by World War II.

14 December- National energy conservation day

This day raises awareness about the need of energy conservation and the necessity for energy.



16 December- Vijay Diwas

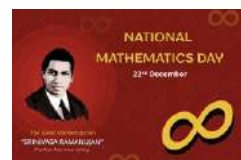
This day is commemorated to honour martyrs and their sacrifices, as well as to increase the military's

role.



20 December- International human solidarity day

This is observed to show the importance of unity in diversity.



22 December- National mathematics day

The mathematician Srinivasa Ramanujan's birth anniversary is commemorated on this day.



23 December- Kisan Diwas

Former Prime Minister Chaudhary Charan Singh's birthday is celebrated on this day.

24 December- National consumer rights day



This day is marked to raise consumer awareness of their rights and obligations.

25 December-Christmas

This is celebrated to commemorate the birth of Jesus Christ.

31 December-New Year's Eve

This day is observed to mark the end of the year according to the





IMPENDING CHALLENGES FOR GLOBAL BIODIVERSITY

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Biodiversity, short for biological diversity, refers to the variety of life on Earth, including the diversity of species, ecosystems, and genetic variation within species. Biodiversity encompasses the multitude of living organisms, from microorganisms to plants, animals, and humans, and the complex interactions among them.

Biodiversity is critically important for several reasons:

Ecosystem Stability:

Biodiversity contributes to the stability and resilience of ecosystems. Diverse ecosystems are often better able to withstand environmental changes and disturbances, such as climate events and disease outbreaks.

Ecosystem Services:

Biodiversity provides numerous ecosystem services that benefit human well-being, including clean air and water, pollination of crops, pest control, and the regulation of climate and disease.

Economic Value:

Biodiversity supports economies through agriculture, forestry, fisheries, and tourism. Many industries depend on diverse ecosystems and species for their livelihoods.

Genetic Resources:

Biodiversity offers a vast genetic pool that is essential for breeding programs, crop improvement, and developing new medicines. It provides resilience against diseases and helps adapt to changing environmental conditions.

Cultural and Aesthetic Value:

Biodiversity is central to cultures, providing spiritual, aesthetic, and recreational value. It is often integral to cultural practices, art, and heritage.

Scientific Understanding:

Biodiversity is a source of scientific knowledge. Studying diverse species and ecosystems enhances our understanding of life on Earth, ecological processes, and adaptation strategies.

Climate Regulation:

Ecosystems play a role in regulating climate through processes like carbon sequestration. Healthy forests and wetlands, for example, help mitigate climate change by absorbing and storing carbon dioxide.

Food Security:

Biodiversity in agriculture and fisheries contributes to food security by providing a wide range of crops and species that can be used to adapt to changing dietary needs and environmental conditions.

Medicine and Health:

Many pharmaceuticals and medical treatments are derived from natural compounds found in various species. Biodiversity is a potential source of future medical breakthroughs.

Ethical and Moral Responsibility:

There is an ethical and moral imperative to protect and preserve the diversity of life on Earth. Human activities have led to species extinctions, and the responsibility to prevent further losses is widely recognized.

Biodiversity is not only vital for the functioning of ecosystems and the health of the planet but also for the well-being and survival of humanity. It is an interconnected web that supports our lives in numerous ways, making its conservation crucial for current and future generations.

Biodiversity, the variety of life on Earth, is indeed facing significant challenges. Some of the key challenges to biodiversity conservation include:

Habitat Loss and Degradation:

The conversion of natural habitats into agricultural land, urban areas, and infrastructure development is a major driver of biodiversity loss. Deforestation, wetland drainage, and land conversion have a profound impact on many species.

Climate Change:

Rising global temperatures and altered weather patterns can disrupt ecosystems and affect species' distributions and migration patterns. Some species may struggle to adapt or face increased risks of extinction due to changing conditions.

Pollution:

Pollution from chemicals, plastic waste, and pollutants in the air, water, and soil can harm ecosystems and species. For example, ocean pollution affects marine life, and pesticides can harm insects critical for pollination.

Overexploitation:

Unsustainable hunting, fishing, and harvesting of wildlife and plants can lead to population declines and extinctions. This includes overfishing, poaching, and illegal wildlife trade.

**Invasive Species:**

Invasive non-native species can outcompete or prey on native species, disrupting ecosystems. These invasives often thrive due to human activities like trade and travel.

Disease:

The spread of diseases, including those facilitated by climate change and wildlife trade, can devastate populations. For example, diseases like chytridiomycosis have caused declines in amphibian populations.

Fragmentation:

Habitat fragmentation due to roads, urban development, and other barriers can isolate populations, reducing genetic diversity and making species more vulnerable to extinction.

Lack of Awareness and Education:

Public awareness and education about the value of biodiversity and the threats it faces are essential. Many people remain unaware of the importance of conserving diverse species and ecosystems.

Lack of Legal Protections:

Inadequate or poorly enforced environmental laws can fail to protect species and habitats from harmful activities.

Economic Pressures:

Economic interests, such as agriculture, mining, and fisheries, often clash with conservation goals, making it challenging to strike a balance between human development and biodiversity conservation.

Globalization:

The globalization of trade and travel can facilitate the spread of invasive species and diseases, increasing the risks to local biodiversity.

Limited Resources for Conservation:

Many conservation efforts are underfunded, limiting the ability to effectively protect and restore ecosystems and species.

Conserving biodiversity requires a multi-faceted approach, including habitat protection, sustainable resource management, international cooperation, and public engagement. It's crucial to address these challenges collectively to safeguard the planet's biodiversity for future generations.

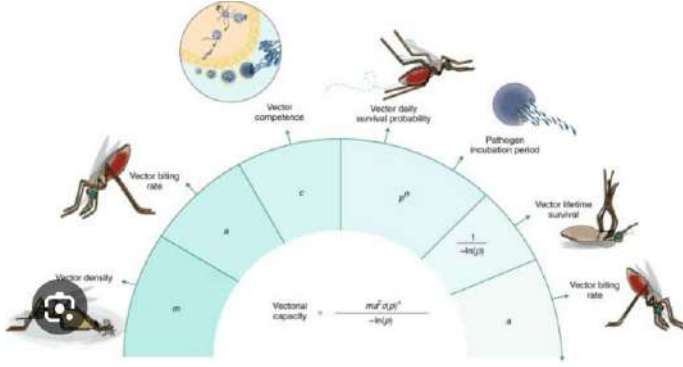
Photo credit: Saikat Kumar Basu

धावक दौड़ा धावक

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“धावक! धावक! अज्ञात का बोझ आज उसके कंधों पर है, लदा जहाज पत्र और समाचारों पर चल रहा है” डाकघर, लाल डिब्बे वाला डाकिया आज लगभग विस्मृति समूह में है, लेकिन कभी-कभी मुझे एक थैला भरा हुआ दिखाई देता है पत्र, उसकी पीठ पर पैसों का बोझ, लेकिन इस पैसे को छुआ नहीं जा सकता पत्र प्राप्तकर्ता को उसी स्थिति में दिया जाना चाहिए जैसे अंदर है। इसे खोलने या बदलने की कोई आवश्यकता नहीं है। लेकिन अगर कहानी हो सकती है थोड़ा बदल गया! डाकिया ने एक लिफाफा खोला और पढ़ा कि क्या छोटी लड़की अपने असहाय पिता को गुड़िया खरीदने के बारे में गंभीर है – लेकिन पिता के पास कोई शक्ति नहीं है! इसे पढ़ने के बाद, पोस्टमास्टर ने पत्र के साथ एक गुड़िया पार्सल की और उसे पिता के पते पर पहुंचा दिया! या पत्र में केवल माँ के लिए जन्मदिन की शुभकामनाएँ और आशीर्वाद थे, लेकिन पोस्टमास्टर ने पत्र खोला और प्राप्तकर्ता को पाई का एक कटोरा और एक फूल दिया!

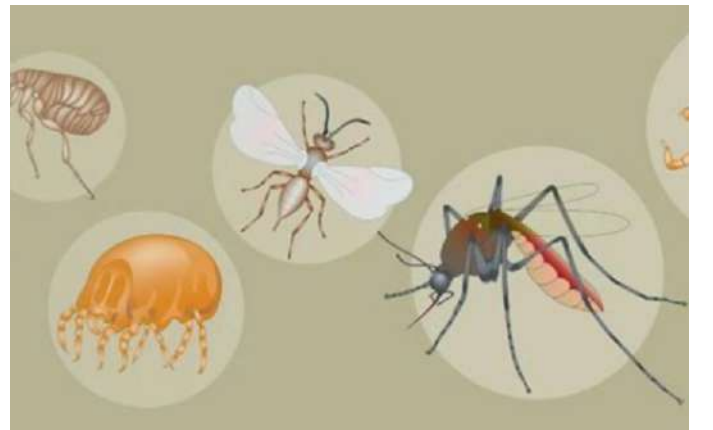
यदि पोस्ट मास्टर के पास शक्ति होती! पहले मामले में – लिफाफे में जो है वह प्राप्तकर्ता को तुरंत दे दिया जाता है – एल इस मामले में धावक केवल एक “वाहक” है एल “वाहक” एल यांत्रिक एल एक मक्खी की तरह एल हैजा से पीड़ित एक रोगी एल उत्सर्जित मल में हैजा होता है रोगाणु – विब्रियो स एक मक्खी बैठती है स पैरों पर मल लगा स रोगाणु लग गए स सामान्य भोजन पर बैठ गई स एक स्वस्थ शरीर में प्रवेश कर गई स हाल ही में संक्रमित हुई स यहाँ मक्खी की भूमिका बिल्कुल एक धावक की तरह है स मक्खी जैविक है लेकिन एक यांत्रिक वाहक है लेकिन दूसरे मामले में धावक ने पत्र को ढेर सारे पत्रों के साथ खोला और कई दिनों तक उसमें काफी बदलाव किया, स्थिति को अपने अनुकूल रखा और फिर उसे प्राप्तकर्ता के पास जाने दिया, यह समझ में नहीं आता कि इससे वाहक को लाभ होता है या नहीं या नहीं, लेकिन इससे प्राप्तकर्ता के लिए पत्र की स्वीकार्यता बढ़ जाती है।

धावक सिर्फ पत्र नहीं लाया!! बदला हुआ!! बिल्कुल मच्छर की तरह।



मलेरिया के कीटाणु मानव शरीर से लिए जाते हैं और सीधे दूसरे लोगों तक नहीं पहुंचते। वे इसे अपने शरीर में रखते हैं और फिर स्वस्थ मानव शरीर में स्थानांतरित करते हैं। इस मामले में, मच्छर एक यांत्रिक वाहक नहीं है। यह एक जैविक एवं जैविक वाहक है। भाषा में समीकरण के मान एवं दिशा को सदिश कहते हैं, जैसे विस्थापन या वेग। जीव विज्ञान के क्षेत्र में जीवाणुओं का प्रवासन ही नहीं जीवन चक्र के कई चरणों से होकर गुजरेगा। बैक्टीरिया का, जिसके शरीर में दो पैरामीटर होते हैं। इसलिए, यह वेक्टर बारिश करने वाला है। खाइयों में पानी बह रहा है स मच्छर खुशी और खुशी से भरे हुए हैं स उनका संचय ही दुनिया है स वे बढ़ रहे हैं स प्रशासन कांप रहा है स डेंगू मलेरिया की खबरों से हवा गर्म है स अज्ञानी लोगों से डॉक्टर प्रशासन स केवल एक जानवर – मच्छर, अकेले मच्छर ने ही हमारी पूँछ पर गोबर रखकर छोड़ दिया है स कितने अरब रुपये खर्च हो जाते हैं! पिछले कुछ वर्षों में कितने लोग मरे हैं! मीडिया पर कितना खर्च, कितनी जागरूकता! हालाँकि, मलेरिया, फाइलेरिया, डेंगू एन्सेफलाइटिस को नियंत्रित किया जा सकता है!

मच्छर एक वेक्टर के रूप में खेलता रहता है, लेकिन ग्यारह बजे टी20



विश्व कप के मूड में है, लेकिन रास्ता? क्या यह सिर्फ एक मच्छर है? तालाब के घोंघे लिमनिया, एंडप्लानोरबिस गाइरुलस अधिक खतरनाक हैं एल विभिन्न कीड़ों के वाहक एल पेट फ्लू के कीटाणुओं को मवेशियों के शरीर में स्थानांतरित करते हैं एल रेत उड़ती है और यह क्या है? क्यों घातक! कोविड ने तो हड्डियां ही छोड़ दीं! उसके वायरस का वाहक कौन है? बल्ला नहीं? यदि नहीं, तो चमगादड़ कम से कम दर्जनों रोगजनकों

के वाहक हैं! रोगाणु कौन है वेक्टर कौन है भंडार कौन है? विकास क्या है? यदि परजीवी मेजबान को नुकसान पहुंचाता है, तो विकास उसे संक्रमित क्यों रखता है? आधुनिक आण्विक जीवविज्ञान क्या है? प्राणीशास्त्र की एक पूरी शाखा है जिसे वेक्टर जीवविज्ञान कहा जाता है।

फोटो प्रस्तुति: सैकत कुमार बासु

प्लास्टिक प्रदूषण का खतरा

सैकत कुमार बासु

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प्लास्टिक प्रदूषण हमारे ग्रह पर बढ़ ला रहा है, लोगों के स्वास्थ्य को नुकसान पहुंचा रहा है, जैव विविधता को नष्ट कर रहा है और जलवायु संकट को बढ़ा रहा है। लेकिन अभी, हमारे पास वैश्विक स्तर पर प्लास्टिक प्रदूषण से निपटने का पीढ़ी में एक बार आने वाला अवसर है!

वैश्विक प्लास्टिक संधि के लिए महत्वपूर्ण तीसरे दौर की बातचीत के लिए विश्व नेताओं ने 13 नवंबर को नैरोबी में अपनी बैठक शुरू की है।

मुख्य मांग 2040 तक प्लास्टिक उत्पादन में कम से कम 75: की कटौती करना है ताकि यह सुनिश्चित हो सके कि हम 1.5 डिग्री सेल्सियस से

नीचे रहें। जलवायु संकट के अपरिवर्तनीय प्रभावों को रोकने में मदद करने के लिए यह महत्वपूर्ण है, क्योंकि प्लास्टिक उद्योग 2050 तक उत्पादन को तीन गुना करने की योजना बना रहा है, और उनमें से 99: तेल और गैस से बने हैं।

संधि वार्ता के बारे में जागरूकता पैदा करने के लिए, ग्रीनपीस इंडिया ने ब्रेक फ्री फ्रॉम प्लास्टिक मूवमेंट के साथ चेन्नई के तट पर एक ब्रांड ऑडिट सफाई अभियान चलाया। पर्यावरण के प्रति उत्साही और स्वयंसेवकों की टीम ने लगभग 11 किलोग्राम कूड़े की पहचान की, प्लास्टिक के प्रकारों को वर्गीकृत किया और उन ब्रांडों को नोट किया जिनके ये उत्पाद थे।

एक ऐसे वर्ष में जिसमें घातक जीवाश्म-ईंधन वाला चरम मौसम और दर्ज इतिहास में सबसे गर्म जून-अगस्त देखा गया, हमारी जलवायु, स्वास्थ्य, समुदाय और ग्रह तब तक जीवित नहीं रह सकते जब तक कि हम प्लास्टिक उत्पादन में भारी कमी नहीं करते। अपने सामूहिक भविष्य की खातिर, हम इस क्षण को बर्बाद नहीं कर सकते। याचिका पर हस्ताक्षर करें और अपना समर्थन दिखाएं।



From the Editor's Desk

Dear Readers

I welcome you to **Volume 4, Issue 4**, of the **PRAKRITI SANRAKSHAN** quarterly newsletter of STE. The October–December 2023 issue highlights the National Conference on Environment, Water, Agriculture, Sustainability and Health (EWASH- 2023): Strategizing A Greener Future & the 5th annual meet of STE on the theme & Protect the Blue and Green Make the Earth pristine. The event took place on 22nd-23rd December 2023 at Swami Rama Himalayan University, Jolly Grant, Dehradun, Uttarakhand.

The important days observed from October to December 2023 are also included in this issue.

I express my sincere thanks to all the people who have contributed informative and inspirational articles to make this newsletter successful. I want to express my profound gratitude to the President of STE, Dr. Kshipra Misra, the editorial team, and Mr. Gian Kashyap for designing this issue of **PRAKRITI SANRAKSHAN** and giving it the desired shape.

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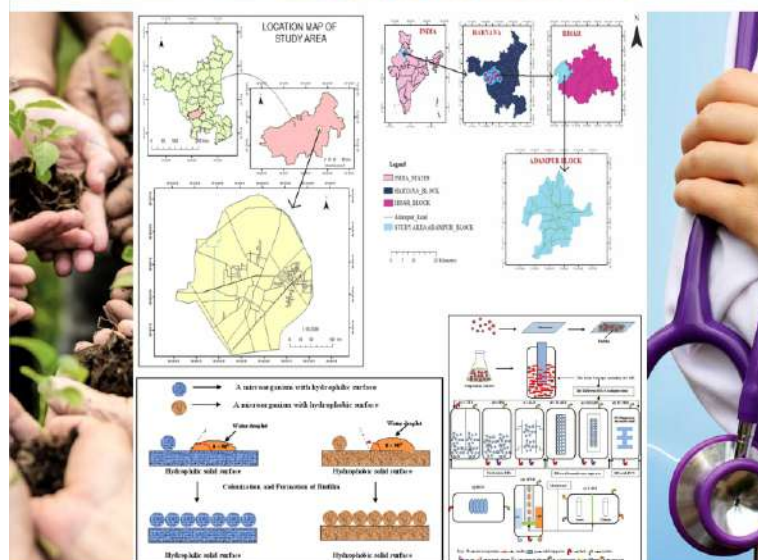
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