



PRAKRITI SANRAKSHAN

Newsletter

Volume 5, Issue 2, April-June, 2024



HANDS ON WORKSHOP
on
GREENER ALTERNATIVES TO THE EXISTING CHEMISTRY LABORATORY EXPERIMENTS
JOINTLY ORGANIZED BY SAVE THE ENVIRONMENT, KOLKATA/ GURUGRAM AND IITL PUBLIC SCHOOL, NEW DELHI

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DR. INDU TUCKER SIDDHAWANI
Resource Person
SUPERANNATED ASSOCIATE PROFESSOR (GARDI COLLEGE, UNIVERSITY OF DELHI) & GREEN CHEMISTRY ACTIVIST

DR. KSHILPA MISRA
Guest Speaker
SCIENTIST AND ENVIRONMENTALIST
FORMER ADDITIONAL DIRECTOR (DRD, NEW DELHI)
PRESIDENT OF SAVE THE ENVIRONMENT (INDIA)



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 CSR FUNDS

To continue your Kind support for clean water supply and sanitation facility project at the STE adopted village Bankanali, Block Pancha, Distt. Purulia

Save The Environment (STE) extends its gratitude and thankfulness for your benevolent support which has made possible the installation of a drinking-cum-wash water unit at the cost of about Rs four and a half lakh (Rs. 4.5 Lakh only) in the first phase of the subject project at STE adopted village Bankanali, Pancha Block, Distt. Purulia, West Bengal. Many households, in dire need of proper water facilities, are somewhat benefitting from the same.



However, a long path remains ahead of us in order to complete the pursuit undertaken. In this endeavour, we plan to provide various water supply units in adjoining areas, rejuvenate and restore the available ponds, create the rain water harvesting systems, reuse of waste water, plantation, Electrification in the village using Solar energy and also to install toilets in the school and other places to be used by people. Looking forward for your kind support to complete the above project.

In this regard, we at STE, earnestly request all the citizens, corporates, life members of STE and patrons to kindly come forward and support for this noble cause. Your generous donation will be a pillar for us and will certainly enable us to bring a smile to several underprivileged persons.

Details of the proposed project are :

ACTIVITIES

- Restoration of ponds
- Installation of Rain Water Harvesting Systems
- Solar Electrification in the Houses and roads
- Distribution of drinking water by pipe line in the village
- Constructions of toilets in school, houses and other public places and plantation etc.

Looking forward to receiving your generous support.

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: **SBIN0001506** OR
 GOOGLE PAY to: **Mrs. Chhanda Basu; Mobile 9830779260**

REPORT OF STE PRERNA SAMMAN SAMAROH 2024

Theme: Invest in women: Accelerate progress

Time: 29th April 2024, 3:30 PM

Venue: Centre of Excellence Auditorium, Jamia Hamdard, New Delhi



SAVE THE ENVIRONMENT (STE)
(A SOCIETY FOR RESEARCH, AWARENESS & SOCIAL DEVELOPMENT)



Centre of Excellence in Unani Medicine
(Pharmacognosy & Pharmacology)
Bioactive Natural Product Laboratory, JAMIA HAMDARD



REPORT OF STE PRERNA SAMMAN SAMAROH 2024 The **STE Prerna Samman Samaroh 2024** was a prestigious event held at Centre of Excellence in Unani Medicine (Pharmacognosy & Pharmacology), Jamia Hamdard University to honor exceptional women who have made significant contributions in their respective fields. The ceremony, organized by Save the Environment in association with the Centre of Excellence in Unani Medicine (Pharmacognosy and Pharmacology). It was a celebration of resilience, determination, and excellence displayed by these trailblazing professionals. The function commenced with a warm welcome by **Dr Bushra Parveen**, acknowledging the presence of esteemed dignitaries and participants physically and virtually. The event began with a recitation from the Holy Quran by Mr. Abdur Rahman, setting a tone of reverence and spirituality. Notable guests included Chief Guest **Prof M Afshar Alam**, Vice Chancellor of Jamia Hamdard, distinguished awardees like **Dr Jayashree Bhattacharjee**, Former Addn. DG, Lady Hardinge Medical College, **Ms Sandhya Kaushik**, JESS Faculty, **Prof (Dr) Shabana Khan**,

Professor of Pharmacognosy at National Centre for Natural Products Research, University of Mississippi, USA, **Ms Anuja Mohanty**, CMI HIVE-Assistant Manager, Hindustan Unilever, **Prof SH Ansari**, Professor Emeritus, at MVN University, Faridabad, **Prof Farhan Jalees Ahmad**, Dean, SPER, Jamia Hamdard, **Prof Javed Ali**, Head Department of Pharmaceutics, **Prof Mahmood-uz Zafar** Director, SODL, Jamia Hamdard, **Prof Sayeed Ahmad**, Director Centre of Excellence and **Dr Kshipra Misra**, President STE (Save The Environment), many research scholars, faculty members





and students of Department of Food Technology, Jamia Hamdard New Delhi.

The ceremony featured a symbolic planter presentation, symbolizing growth, and empowerment and welcome note by **Prof Sayeed Ahmad**, Director Centre of Excellence followed by the introduction of the STE organization by **Dr. Kshipra Misra**, highlighting its commitment to scientific research, innovation, and environmental preservation.

The highlight of the event was the presentation of the **STE Prerna Samman awards 2024** to four exceptional women achievers. **Dr. Jayashree Bhattacharjee**, a distinguished healthcare professional, was recognized for her leadership in healthcare administration and laboratory services. **Ms. Sandhya Kaushik**, a pivotal force in the development of the JESS system, was commended for her dedication to medical innovation. **Prof (Dr) Shabana Iqrar Khan**, professor of Pharmacognosy at University of Mississippi and principal scientist at the National Centre for Natural

Products Research, USA was honoured for her contribution in research specially for in vitro pharmacology of medicinal plants and botanicals. **Ms. Anuja Mohanty**, a dedicated advocate for drug-abused children, received recognition for her impactful work in establishing de-addiction shelters for children in Odisha. Each award recipient's journey and contributions were highlighted, showcasing their expertise, dedication, and significant impact in their respective fields.

The function concluded with address from **Chief Guest, Prof M Afshar Alam, Vice Chancellor, Jamia Hamdard** followed by a vote of thanks by **Dr. Rabea Parveen**, expressing gratitude to all participants and guests for their presence and contributions. The ceremony served as a beacon of empowerment and inspiration, celebrating the achievements of these exceptional women and emphasizing the importance of resilience, determination, and commitment to excellence in shaping a more inclusive and equitable world.

THE CRUCIAL ROLE OF GREEN TECHNOLOGY IN SUSTAINABLE DEVELOPMENT

Bindu

M.Sc. (Biotechnology)

University-Banasthali Vidyapith

Introduction

In the wake of environmental challenges and the pressing need for sustainable solutions, the integration of green technology has emerged as a pivotal factor in shaping the trajectory of global development. Green technology, encompassing a spectrum of innovations and practices aimed at minimizing environmental impact and promoting resource efficiency, holds promise in fostering sustainable development across various sectors. This essay delves into the multifaceted role of green

technology in advancing the agenda of sustainable development, elucidating its significance, challenges, and potential pathways for a greener future.

Promoting Environmental Stewardship:

At its core, green technology epitomizes a paradigm shift towards environmental stewardship by mitigating the detrimental effects of conventional practices on ecosystems. Technologies such as renewable energy systems, energy-efficient appliances, and waste management solutions offer tangible avenues for reducing carbon emissions, curbing pollution, and conserving natural resources. By prioritizing eco-friendly alternatives over resource-intensive processes, green technology serves as a catalyst for fostering a harmonious relationship between human activities and the environment.

Fostering Economic Prosperity:

Contrary to the misconception that environmental sustainability comes at the expense of economic growth, green technology underscores the potential for synergistic outcomes wherein environmental and economic objectives converge. Investments in renewable energy infrastructure, for instance, not only contribute to decarbonization efforts but also stimulate job creation and spur innovation within burgeoning green industries. Moreover, the long-term cost savings associated with energy efficiency measures and





sustainable practices offer compelling incentives for businesses and governments alike to embrace green technologies as catalysts for economic prosperity.

Enhancing Social Equity and Resilience:

Sustainable development entails not only environmental and economic dimensions but also social equity and resilience considerations. Green technology plays a pivotal role in addressing disparities in access to essential services such as clean water, sanitation, and energy, particularly in underserved communities. Off-grid renewable energy solutions, for instance, empower marginalized populations by providing reliable electricity access while reducing dependence on fossil fuels. Furthermore, the integration of green infrastructure and urban planning principles fosters resilient communities capable of withstanding the impacts of climate change and natural disasters, thereby enhancing societal well-being and cohesion.

Challenges and Opportunities:

Despite its transformative potential, the widespread adoption of green technology faces a myriad of challenges ranging from technological barriers to policy constraints and financial limitations. Overcoming these hurdles necessitates

concerted efforts across stakeholders to foster innovation, streamline regulatory frameworks, and mobilize financial resources towards sustainable development objectives. Moreover, capacity building and knowledge sharing initiatives are imperative for enhancing the uptake of green technologies, particularly in developing regions where the need for sustainable solutions is most acute. Nonetheless, amidst these challenges lie untapped opportunities for collaboration, investment, and cross-sectoral partnerships aimed at catalysing the transition towards a more sustainable and resilient future.

Conclusion:

In conclusion, the integration of green technology stands as a linchpin in the pursuit of sustainable development, offering a pathway towards a more equitable, prosperous, and resilient future for present and future generations. By harnessing the transformative potential of green innovations, societies can reconcile environmental imperatives with economic aspirations, thereby forging a more sustainable trajectory of development. As we navigate the complex challenges of the 21st century, embracing green technology not only represents a moral imperative but also a pragmatic necessity in safeguarding the planet and securing the well-being of all its inhabitants.

TITLE: EMBRACING ZERO WASTE: A SUSTAINABLE LIFESTYLE REVOLUTION

Bindu

M.Sc. (Biotechnology)

University-Banasthali Vidyapith

Introduction:

In our modern world, where consumption often seems unchecked and waste piles up relentlessly, the concept of zero waste emerges as a beacon of hope for sustainability. It challenges the status quo of throwaway culture and offers a pathway toward a more mindful and responsible way of living. Zero waste lifestyle practices advocate for minimizing waste generation, reusing materials, recycling diligently, and embracing composting. This essay explores the profound implications of adopting zero waste lifestyle practices for sustainability, examining its potential to mitigate environmental degradation, conserve resources, and inspire systemic change.

Environmental Impact of Zero Waste:

One of the most immediate and tangible implications of adopting a zero-waste lifestyle is the reduction of environmental impact. By reducing the amount of waste sent to landfills or incinerators, individuals directly

contribute to mitigating pollution and preserving natural ecosystems. Landfills emit greenhouse gases and leach harmful substances into soil and water, while incinerators release pollutants into the air. By diverting waste from these disposal methods, zero waste practitioners help mitigate climate change and protect air and water quality.

Moreover, embracing zero waste practices encourages a shift toward more sustainable consumption patterns. By choosing reusable alternatives over disposable products, individuals reduce the demand for resources and energy-intensive manufacturing processes. This reduction in consumption contributes to the preservation of natural habitats and biodiversity, as well as the conservation of finite resources such as water and minerals.

Resource Conservation and Circular Economy:

At the heart of the zero-waste philosophy lies the principle of resource conservation and the promotion of a circular economy. Instead of following the linear "take-make-dispose" model of production and consumption, zero waste advocates envision a closed-loop system where resources are reused, recycled, or repurposed indefinitely.

Embracing a circular economy not only reduces the extraction of raw materials but also minimizes the generation of waste. Products are designed with durability

and recyclability in mind, and materials are recovered and reintegrated into the production process whenever possible. By embracing this approach, zero waste practitioners help conserve natural resources, reduce energy consumption, and minimize environmental degradation associated with resource extraction and waste disposal.

Social Implications and Equity:

The pursuit of zero waste extends beyond environmental considerations to encompass broader social implications and equity concerns. In many communities, waste facilities and landfills are disproportionately located in low-income neighbourhoods and communities of colour, leading to environmental injustice and health disparities. By reducing waste generation and advocating for more equitable waste management practices, zero waste initiatives can help address these inequities and promote environmental justice.

Moreover, zero waste practices can empower individuals and communities to take control of their environmental impact and reduce their reliance on external systems. By composting organic waste and growing food locally, for example, individuals can increase food security and resilience while reducing their carbon footprint. Additionally, embracing zero waste principles can foster a sense of community and solidarity as individuals come together to share resources, skills, and knowledge.

Cultural Shifts and Behavioural Change:

Embracing a zero-waste lifestyle requires a fundamental shift in mindset and behaviour. It challenges the prevailing culture of consumerism and disposability and encourages individuals to question their consumption habits and make more conscious choices. By prioritizing quality over quantity and embracing the concept of "enough," zero waste practitioners reject the notion that happiness and fulfilment are derived from material possessions.

Furthermore, zero waste living fosters a deeper connection with the natural world and promotes a sense of stewardship and responsibility for the environment. By composting

organic waste and tending to community gardens, individuals can reconnect with the cycles of nature and experience firsthand the interconnectedness of all living things.

Challenges and Opportunities:

While the zero-waste movement offers immense potential for sustainability, it also faces significant challenges and barriers to widespread adoption. Cultural norms, economic constraints, and lack of infrastructure can pose obstacles to individuals seeking to embrace zero waste practices. Additionally, systemic issues such as overproduction, planned obsolescence, and inadequate waste management systems must be addressed at the policy level to create an enabling environment for zero waste initiatives.

However, despite these challenges, the zero-waste movement presents numerous opportunities for innovation, collaboration, and systemic change. By harnessing the power of technology, education, and advocacy, zero waste practitioners can drive meaningful progress toward a more sustainable and regenerative future. From community-based initiatives to corporate sustainability efforts, there is a growing recognition of the need to embrace zero waste principles and transition toward a more circular economy.

Conclusion:

In conclusion, adopting zero waste lifestyle practices holds immense potential for promoting sustainability, mitigating environmental degradation, and fostering social equity. By reducing waste generation, conserving resources, and embracing a circular economy, individuals can make meaningful contributions to building a more resilient and regenerative society. While the transition to a zero-waste lifestyle may require effort and sacrifice, the benefits far outweigh the challenges. As we confront the pressing environmental challenges of our time, embracing the principles of zero waste offers a pathway toward a more sustainable and harmonious coexistence with the planet.



SAVE WATER
SAVE ENVIRONMENT
SAVE LIFE

कार्बन मूल्य पर बहस ध्यान भटकाने वाली है। इसके बजाय जो लोग इसका विरोध करते हैं वे क्या करेंगे?

S. K. Basu

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28 मार्च, 2024, वैंकूवर, ब्रिटिश कोलंबिया, कनाडा – क्लीन एनर्जी कनाडा के संचार निदेशक ट्रेवर मेलानसन ने संघीय सरकार की 1 अप्रैल को निर्धारित कार्बन मूल्य और छूट वृद्धि के जवाब में निम्नलिखित बयान दिया।



“कार्बन की कीमत के बारे में बहुत सारा राजनीतिक शोर मचाया गया है, लेकिन असली राजनीतिक घोटाला कुछ प्रधानमंत्रियों और पार्टी नेताओं द्वारा जलवायु नेतृत्व की कमी है, जो कोई विकल्प नहीं दे रहे हैं।

जैसा कि 250 से अधिक कनाडाई अर्थशास्त्रियों द्वारा हस्ताक्षरित एक हालिया खुले पत्र में स्पष्ट किया गया है, शर्कार्बन मूल्य निर्धारण के सबसे मुखर विरोधी उत्सर्जन को कम करने और हमारे जलवायु लक्ष्यों को

पूरा करने के लिए वैकल्पिक नीतियों की पेशकश नहीं कर रहे हैं। और वे निश्चित रूप से ऐसा कोई विकल्प नहीं दे रहे हैं जो कार्बन मूल्य निर्धारण के समान कम लागत पर उत्सर्जन को कम कर सके।

ष्वास्तविकता यह है कि अधिकांश कनाडाई परिवारों को भुगतान से अधिक वापस मिलता है, जबकि बैंक ऑफ कनाडा के अनुसार, कार्बन मूल्य निर्धारण मुद्रास्फीति को शांत करने की लड़ाई में एक बड़ी त्रुटि रही है, जो कुल मुद्रास्फीति के केवल 0.15% के लिए जिम्मेदार है।

“इसके अलावा, कनाडाई परिवार समय के साथ ऊर्जा पर कम खर्च करेंगे क्योंकि वे अपने घरों, वाहनों और व्यवसायों को बिजली देने के लिए स्वच्छ ऊर्जा पर स्विच करते हैं – एक बदलाव जिसमें कार्बन मूल्य निर्धारण में तेजी लाने में मदद मिलती है।

“जलवायु परिवर्तन पहले से ही हमारे जीवन के तरीके को बदल रहा है। कार्बन मूल्य निर्धारण के विपरीत, ग्लोबल वार्मिंग खाद्य कीमतों को बढ़ा रही है क्योंकि दुनिया भर में फसल की पैदावार घट रही है। यहाँ कनाडा में, किसान बी.सी. इस वर्ष लगातार चरम मौसम की घटनाओं के कारण पूरी फसल नष्ट हो गई है। इस बीच, 2023 के विनाशकारी जंगल की आग के मौसम के कारण कनाडा की हवा की गुणवत्ता पिछले साल अमेरिका की तुलना में खराब रही, जिससे हमारे स्वास्थ्य और अर्थव्यवस्था को भारी नुकसान उठाना पड़ा।





“सीधे शब्दों में कहें तो, कार्बन मूल्य निर्धारण को खत्म करने से कनाडाई लोगों के लिए जीवन अधिक किफायती नहीं होगा, लेकिन जलवायु परिवर्तन हमें महंगा पड़ेगा – खासकर अगर हम गंभीर समाधानों के साथ चुनौती का सामना करने में विफल रहते हैं। जलवायु कार्रवाई को कमजोर करना हमारे समय का असली घोटाला है।”

महत्वपूर्ण तथ्यों कनाडा के 250 से अधिक प्रमुख अर्थशास्त्रियों ने कनाडाई लोगों और अर्थव्यवस्था के लिए न्यूनतम लागत के साथ उत्सर्जन को कम करने में कार्बन मूल्य निर्धारण की प्रभावशीलता की ओर इशारा करते हुए एक पत्र पर हस्ताक्षर किए हैं।

विश्व वन दिवस

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पृथ्वी के वन समस्त स्थलीय जीवन के लिए प्राकृतिक पालने हैं। भारतीय संस्कृति मूलतः अरण्य संस्कृति, वन आधारित संस्कृति है। हिंदू संस्कृति के सभी ज्ञानवर्धक महाकाव्य और हमारी सर्वश्रेष्ठ काव्य कृतियाँ, नाटक, साहित्यिक कृतियाँ वनों के परोपकारी और रचनात्मकता-उत्प्रेरक वातावरण के बीच बनाई गई हैं।

जीवों के सभी स्थलीय समुदाय प्रकाश संश्लेषणकर्ताओं, क्लोरोफिलस पौधों द्वारा छोड़ी जाने वाली ऑक्सीजन में सांस

एक परिवार जो कुछ सामान्य स्वच्छ ऊर्जा समाधानों को अपनाता है – जिसमें ईवी और हीट पंप शामिल हैं – अपने मासिक ऊर्जा बिलों में 800 डॉलर की कटौती कर सकता है, उस परिवार की तुलना में जो काफी हद तक जीवाश्म ईंधन पर निर्भर है।

कनाडा सरकार के पास एक कार्बन छूट कैलकुलेटर है, जो परिवारों को यह देखने में मदद करता है कि वे कितना भुगतान करते हैं और उन्हें कितनी छूट मिलती है। अधिकांश परिवार जितना भुगतान करते हैं उससे अधिक वापस प्राप्त करते हैं।

लेते हैं। इसलिए, वनों को हमारे ग्रह के फेफड़े कहा जाता है। वे महत्वपूर्ण कार्बन सिंक के रूप में कार्य करते हैं, कार्बन डाइऑक्साइड को अवशोषित करते हैं और जीवन-सक्षम ऑक्सीजन छोड़ते हैं। अपने पारिस्थितिक महत्व से परे, वन हमारे अस्तित्व के लिए आवश्यक असंख्य पारिस्थितिक तंत्र कार्य करते हैं। वे प्रकृति की जैव विविधता का सबसे समृद्ध घर हैं और अनगिनत प्रजातियों के लिए आवास के रूप में काम करते हैं। वे अपना स्वयं का माइक्रोक्लाइमेट बनाते हैं और वैश्विक जलवायु को विनियमित करने में महत्वपूर्ण भूमिका निभाते हैं। ग्रह के वनों के ये कार्य दुनिया भर में लाखों लोगों की आजीविका का समर्थन करने के अलावा भी हैं।

28 नवंबर, 2013 को संयुक्त राष्ट्र महासभा के प्रस्ताव द्वारा 21 मार्च को अंतर्राष्ट्रीय वन दिवस की स्थापना की गई थी। प्रत्येक



वर्ष विभिन्न कार्यक्रम मनाए जाते हैं और सभी प्रकार के वनों और वनों के बाहर के पेड़ों के महत्व के बारे में जागरूकता बढ़ाई जाती है।, वर्तमान और भावी पीढ़ियों के लाभ के लिए। अंतर्राष्ट्रीय वन दिवस पर देशों को वनों और पेड़ों से जुड़ी स्थानीय, राष्ट्रीय और अंतर्राष्ट्रीय गतिविधियाँ, जैसे वृक्षारोपण अभियान, आयोजित करने के प्रयास करने के लिए प्रोत्साहित किया जाता है।

वनों पर संयुक्त राष्ट्र फोरम का सचिवालय, खाद्य और कृषि संगठन के सहयोग से, सरकारों, वनों पर सहयोगात्मक साझेदारी और अंतर्राष्ट्रीय, क्षेत्रीय और उपक्षेत्रीय संगठनों के सहयोग से ऐसे आयोजनों के कार्यान्वयन की सुविधा प्रदान करता है। 21 मार्च 2013 को पहली बार अंतर्राष्ट्रीय वन दिवस मनाया गया ८ अंतर्राष्ट्रीय वन दिवस 2024 का विषय 'वन और नवाचार: बेहतर दुनिया के लिए नए समाधान' है। 2023 का विषय "वन और स्वास्थ्य" है। संयुक्त राष्ट्र संगठनों के अनुसार वन हमारे स्वास्थ्य में बहुत योगदान देते हैं।

हर साल 13 मिलियन हेक्टेयर (32 मिलियन एकड़) से अधिक जंगल नष्ट हो जाते हैं, जो लगभग इंग्लैंड के आकार का क्षेत्र है। जैसे जंगल जाते हैं, वैसे ही पौधों और जानवरों की प्रजातियाँ भी जाती हैं जिन्हें वे अपनाते हैं – सभी स्थलीय जैव विविधता का 80%। सबसे महत्वपूर्ण बात यह है कि वन जलवायु परिवर्तन में महत्वपूर्ण भूमिका निभाते हैं: वनों की कटाई के परिणामस्वरूप दुनिया का 12–18 प्रतिशत कार्बन उत्सर्जन होता है – जो वैश्विक परिवहन क्षेत्र से लगभग सभी CO_2 के बराबर है। समान रूप से महत्वपूर्ण, स्वस्थ वन दुनिया के प्राथमिक 'कार्बन सिंक' में से एक हैं। आज, विश्व की 30% से

अधिक भूमि पर वन हैं और इनमें 60,000 से अधिक वृक्ष प्रजातियाँ हैं, जिनमें से कई अभी तक अज्ञात हैं। वन दुनिया के लगभग 1.6 अरब सबसे गरीब लोगों को भोजन, फाइबर, पानी और औषधियाँ प्रदान करते हैं, जिनमें अद्वितीय संस्कृति वाले स्वदेशी लोग भी शामिल हैं।

वनों को ग्रह का फेफड़ा माना जाता है। पेड़ CO_2 को कम करके हवा को शुद्ध करते हैं और जलवायु को नियंत्रित करने में मदद करते हैं। वे पृथ्वी पर जीवन को बनाए रखने के लिए आवश्यक हैं और जलवायु परिवर्तन से निपटने में महत्वपूर्ण भूमिका निभाते हैं। हालाँकि, वनों की कटाई और क्षरण का खतरा दुनिया भर में वनों के अस्तित्व को खतरे में डालता है। उनके महत्व के बारे में जागरूकता बढ़ाने के लिए, 21 मार्च अंतर्राष्ट्रीय वन दिवस है, एक ऐसा दिन जो हमें उनके महत्व पर विचार करने और उनके संरक्षण और देखभाल के लिए खुद को प्रतिबद्ध करने के लिए आमंत्रित करता है।

इस लक्ष्य के साथ पूरी तरह से संरक्षित होकर, इबरडोला समूह में हमने पारिस्थितिक तंत्र की जैविक विविधता के संरक्षण और संवर्धन को अपनी रणनीति में एकीकृत किया है, एक प्रतिबद्धता जो जैव विविधता नीति में साकार हुई है और जिसके लिए हमने एक महत्वाकांक्षी लक्ष्य निर्धारित किया है: शून्य शुद्ध प्राप्त करना 2030 तक जैव विविधता का नुकसान। इस विश्व दिवस के अनुरूप, हम विभिन्न पहलों के साथ वनों के संरक्षण और बहाली को सुनिश्चित करने के लिए अपनी प्रतिबद्धता की पुष्टि करते हैं।

फोटो क्रेडिट: सैकत कुमार बासु



Water is free but Limited,
Save Water.

EARTH'S PLEA: A BATTLE AGAINST PLASTICS

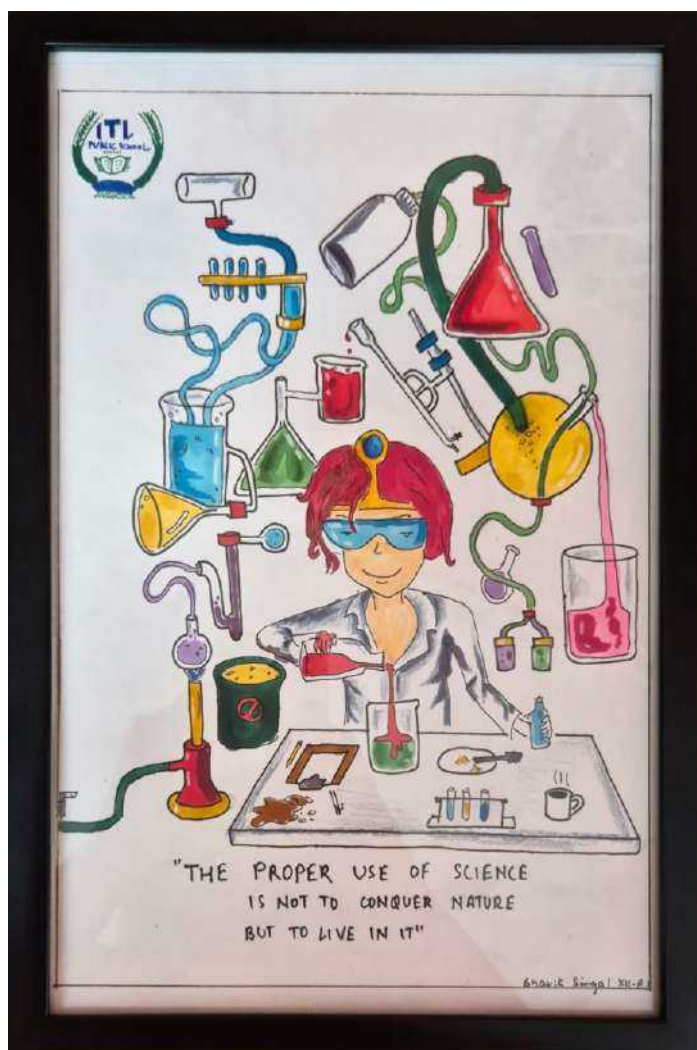
Ragini Singal

XII-C

ITL Public School

Email: drvaishalimishra2019@gmail.com

The Planet third from the Sun is called Earth
 We all know for what it is worth
 The Planet suffers from a virus called Plastic
 We all know that the effects of this have been drastic
 The Planet needs to get rid of it soon
 We all know that this will be a boon
 The Planet vs Plastics has been a long war
 We all know that this won't take us far
 The Planet when seen from Universe is all blue and green
 We all know that this is how we want it to be seen
 The Planet screams with a message so clear
 We all know that this is coming from our Earth so dear
 The Planet suffers and will forever be changed
 We all know that there is no other that can be arranged
 The Planet is begging us to work as a team
 So that we can forever be in a world of dream



NANOTECHNOLOGY WITH POTENTIAL REMEDIATION APPLICATIONS

Shaurya Dhasmana



Over the past few years, a growing range of nanoscale materials with environmental applications has been produced. For instance, at hazardous waste sites—such as those affected by oil spills or chlorinated solvents—nanoscale materials have been employed to clean up contaminated soil and groundwater. This article concentrates on the use of engineered nanoscale materials for environmental site remediation, although as previously mentioned, a wide variety of nanoscale materials are being employed across numerous sectors of science and technology. Because of their large surface areas relative to their volumes, nanoscale materials are of interest for environmental applications. This means that, compared to the same material at much larger sizes, their reactivity in chemical or biological surface mediated reactions can be greatly enhanced. They can be modified for particular uses to provide new features at the macro- or microscale that aren't found in particles of the same substance. Because of their enormous surface area to volume ratio and higher number of reactive sites, nanoscale materials can be highly reactive. However, they can also show changed reaction rates that surface area alone cannot explain. Because of these characteristics, contaminant concentrations can be rapidly reduced by increasing contact with contaminants. Furthermore, if the right coatings are applied, nanoscale materials' minute size may allow them to enter very tiny underground spaces and stay suspended in groundwater. A suitable coating may enhance pollutant reduction by enabling the particles to disperse more widely and travel farther than macro-sized particles. Applications section for further details on how nanotechnology is being used to remediate environmental damage.

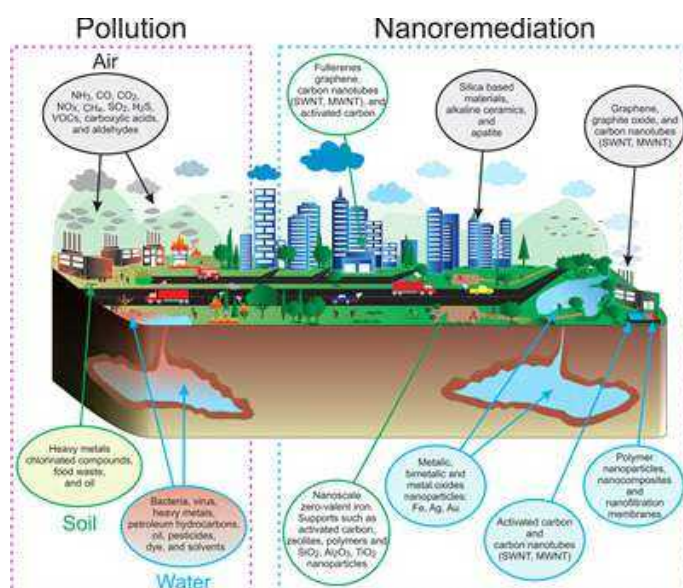
Nanotechnology holds immense promise for environmental remediation, with various nanoscale

materials showing potential for both in situ and ex situ applications in pollutant clean-up. Among these materials, nanoscale iron has gained significant attention and is currently being used in environmental clean-up efforts. Its high reactivity and large surface area make it effective in degrading or sequestering contaminants in soil and water.

Beyond nanoscale iron, researchers are exploring a wide range of other nanomaterials for remediation purposes. These include titanium dioxide (TiO₂), Self-Assembled Monolayers on Mesoporous Supports (SAMMS™), carbon nanotubes, ferritin, dendrimers, metalloporphyrinogens, and Sonochemical Metal Organic Frameworks (SOMS), among others. Each of these materials offers unique properties that can be leveraged for different types of pollutants and environmental conditions.

The development of nanotechnology for environmental remediation typically progresses through various stages, from initial research and laboratory-scale experiments to pilot-scale testing and, eventually, full-scale implementation. Benchmarking involves evaluating the performance of these materials under controlled conditions, while pilot-scale development aims to validate their effectiveness in real-world scenarios.

TiO₂, for example, is known for its photocatalytic properties, which can be harnessed to degrade organic pollutants when exposed to ultraviolet (UV) light. SAMMS™, on the other hand, consists of tailored surfaces capable of selectively adsorbing specific contaminants from water or soil. Carbon nanotubes offer high surface area and conductivity, making them suitable for adsorption and electron transfer reactions.



Ferritin, dendrimers, metalloporphyrinogens, and SOMS are also being investigated for their potential in environmental remediation. Ferritin, a protein nanoparticle, has been explored for its ability to encapsulate heavy metals, while dendrimers offer precise control over size and surface chemistry, enhancing their effectiveness in capturing pollutants. Metalloporphyrinogens and SOMS are being studied for their catalytic and adsorptive properties, respectively.

As research in nanotechnology continues to advance, these nanomaterials hold promise for addressing environmental challenges such as groundwater contamination, soil remediation, and wastewater treatment. However, it's essential to conduct thorough risk assessments and consider potential unintended consequences before widespread deployment to ensure the safe and responsible use of these technologies.

GREEN CHEMISTRY WORKSHOP

-Greener Alternatives to the Existing Chemistry Laboratory Experiments



The poster features a central title in large green letters: "HANDS ON WORKSHOP on GREENER ALTERNATIVES TO THE EXISTING CHEMISTRY LABORATORY EXPERIMENTS". Below the title, it states "JOINTLY ORGANIZED BY SAVE THE ENVIRONMENT, KOLKATA/ GURUGRAM AND ITL PUBLIC SCHOOL, NEW DELHI". The date "APR 25" is shown in a calendar icon. Two speakers are featured: Dr. Indu Tucker Sidhwani, Resource Person, and Dr. Kshipra Misra, Guest Speaker. Logos for IITL Public School and Save The Environment are also present.

"Green chemistry is not a revolution; it is an evolution. It's about taking small steps every day to make our world a cleaner, safer, and healthier place to live." - Alejandro Lugo"

An Educational Workshop on Green Chemistry -Greener alternatives to the existing chemistry laboratory Experiments, jointly organized by Save The Environment, Kolkata/ Gurugram and ITL Public School, New Delhi on 25th April, 2024.

In our pursuit of excellence, ITL Public School was honored to welcome Dr. Indu Tucker Sidhwani, Associate Professor from Gargi College, University of Delhi, as a distinguished Resource Person and Dr. Kshipra Misra, President of Save the Environment, Additional Director at DRDO, Delhi, as a guest speaker.

The workshop aimed to elucidate the principles and applications of green chemistry in contemporary industrial practices, emphasizing sustainable methodologies and eco-friendly processes. With the aim to protect the environment by inventing new chemical processes that do not add to environmental pollution, the **GREEN CHEMISTRY** initiative is rapidly developing and holds an important area in the chemical manufacturing sciences. It offers solutions to overcome the current industrial shortcomings and improve the sustainable usage of natural resources. It is defined as the design of chemical products and processes that reduce or eliminate the use and generation of hazardous substances.

The eminent resource person and the guest speaker delivered illuminating keynote speeches, elucidating the significance of integrating green chemistry principles into

chemical synthesis and manufacturing processes. Their presentations underscored the imperative of mitigating environmental degradation and minimizing ecological footprints through innovative approaches. Engaging technical sessions delved into various facets of green chemistry, encompassing topics such as catalysis, renewable resources, solvent-free reactions, and waste reduction strategies.

Renowned experts elucidated cutting-edge research findings and showcased exemplary case studies exemplifying the practical implementation of green chemistry methodologies. They focused on the principles of Green Chemistry which are- Prevention, Atom economy, Less hazardous chemical synthesis, Designing safer chemicals, Safer solvents usage, Design for energy efficiency.

Hands-on workshops provided participants with invaluable opportunities to explore green chemistry concepts through practical demonstrations and laboratory exercises. These interactive sessions facilitated active learning and fostered a deeper understanding of sustainable chemical practices. This Workshop served as a catalyst for catalyzing transformative change in the chemical industry, heralding a paradigm shift towards greener and more sustainable practices which facilitated active learning in them and encouraged them to use

greener practices by giving a shift from macro to micro analysis like the usage of spot test for identification of organic and inorganic samples. Moreover, the synthesis of compounds was performed by students in the presence of sunlight instead of using depleting fossil fuels.


With the help of this workshop, our students developed an insight that this new initiative naming - Green Chemistry can reduce pollution at its source by minimizing or eliminating the hazards of chemical feedstocks, reagents, solvents, and products. It is a kind of technology which reduces or eliminates the hazardous chemicals used to clean up environmental contaminants thus benefitting us in the future developmental goals. They got to know that there are other ways also which can help in eliminating the usage of hazardous chemicals which can help them in the long term betterment of themselves and also of the environment.

By embracing green chemistry, we commit to a world where science champions sustainability. Let's make green chemistry the benchmark for responsible innovation.

#GreenChemRevolution
#GreenChemistry
#ResponsibleChemistry
#ChemistryForChange
#GreenerPractices

Dr. Indu Tucker Sidhwani

- Holds M.Sc. and Ph.D. in Chemistry from University of Delhi. Post Doctoral Research from the USA and Canada.
- Experience of 43 years in Chemistry education.
- Focuses on green chemistry education, workshop conduct, and curriculum development.
- Authored a book on Green Chemistry Experiments.
- Serves as peer reviewer for top journals.
- Recognized with awards for teaching excellence and innovation.



Superannuated Associate Professor
(Gargi College, University of Delhi) &
Green Chemistry Activist

Dr. Kshipra Misra

- Post Doctoral experience at Harvard University and University of Quebec.
- Chief editor and reviewer of many international journals.
- Leads environmental initiatives like Save the Environment (STE) focusing on combating arsenic poisoning.
- Vice President of NESI, promoting environmental sciences.
- Award-winning scientist with patents and publications.



Scientist and Environmentalist
Former Additional Director (DRDO, Delhi)
President of Save The Environment (NGO)









STUDENTS FEED BACK

I express my gratitude for organizing such an insightful and engaging workshop on green chemistry. The opportunity to learn about minimizing chemical usage while maximizing results was incredibly valuable. The hands-on experiments, such as preparing azo dye and the drop test, were engaging and very interesting. The simplicity of the techniques showcased the practical applications of green chemistry principles in real-world scenarios. Moreover, the clarity of instruction and the ease of following along made the workshop both enjoyable and informative. I now feel confident in replicating these experiments and implementing green chemistry practices in my own work or studies. The workshop was very interactive. Thank you once again for organizing such a wonderful workshop. I look forward to engage myself in more such workshops – *Isbnika sarna XIIB*

The event was a truly insightful one. The issues Dr. Indu Ma'am addressed were something that we had never truly given thought to. To ponder upon the effects of chemical contamination by compounds that we seem to use in our daily life was an eye opening process. Both the guests were truly an inspiration. To female science students such as myself, Dr. Indu ma'am shines as a true inspiration. To see an influential woman such as herself in a field I aspire to join, was a heartwarming experience. Her knowledge and dedication left me spellbound, she was so in tune with her equipment! Additionally, I had never once thought that azo compounds can be synthesized with such ease up using solvent-free processes until this workshop. Her simple, efficient methods are something any student could understand easily. She also showcased the huge scope chemistry has as a subject. From academic institutions to the industrial sector, chemistry aids us in every sphere of life. Eye-opening and enlightening are the terms I would use to describe the workshop. - *Yours truly-Athiya*

Thank you ma'am for organizing such an informative and enriching workshop. It was a fantastic learning experience. ma'am created such a friendly environment that it was very fun to listen to her as well, her way of explaining made our session interesting. Looking forward to more such workshops. - *Ananya Risbi XIIB*

The workshop conducted by Dr. Indu Ma'am on Green Chemistry was highly informative and engaging. Ma'am's expertise in the subject matter was evident, and her ability to communicate complex concepts in a clear and accessible manner was appreciated by all students. The workshop covered a wide range of topics related to green chemistry. Participants found the hands-on practical on spot test and how we can conserve chemicals by using just a single capillary was astonishing. Ma'am also related the principles of Green Chemistry to real life incidents, which helped in better understanding. The interactive nature of the workshop encouraged active participation and facilitated valuable discussions among students. Overall, we all left the workshop feeling inspired and equipped with practical knowledge that they could apply in their own research or professional endeavors. Dr. Indu's passion for green chemistry was contagious, and her dedication to promoting sustainable practices left a lasting impression on all who attended. ~*Verina Aasht XII-B*

ITL Public School, in collaboration with Save The Environment Foundation, organized a workshop for students of Class XI-XII on 'Greener Alternatives to the Existing Chemistry Experiments'. Dr. Indu Tucker Sidhwani, Superannuated Associate Professor at Gargi College, University of Delhi, became a guide for the students in this amazing learning experience. This workshop definitely proved itself to be useful for the students, as the students described it to be 'Exciting, Gainful and Knowledgeable'. Students enjoyed doing the activities such as Spot Test, which will definitely prove to be useful in their journey ahead. - *Ishit Xii A - Namaskar ma'am*

Thank you ma'am for organizing such an insightful and educational session. We gained awareness of topics we had not before considered thanks to the event. We were unaware of the consequences of our conventional chemistry. Seeing a female scientist who is so smart, passionate, and committed to her work was also quite heartwarming. Honestly, I never thought waste materials could be utilised for a chemical reaction so effectively, and a standard chemical reaction for example a solvent-less reaction could be used to simplify the synthesis of azo compounds. I found listening to Ma'am to be both fascinating and enlightening, and she significantly piqued my interest in chemistry in general for which I'm thankful as well. *Yuvraj Xii A*

The workshop on green chemistry was very informative and interesting. I enjoyed every bit of it. It was very interactive. I learned a lot from Dr Indu and Dr Kshipra ma'am. *Annie Gupta XI-A*

The green chemistry workshop was very inspiring. It helped us understand the fundamental rules and the principles of green chemistry. They also showed us examples of chemical disasters like Bhopal gas tragedy etc. The overall experience was amazing and we got to know a lot of things. - *Siddhant IXE*

The green chemistry workshop was mind opening and inspiring. I expanded my sphere of knowledge through the amazing guidance of Dr Indu ma'am. Learning about fundamentals of green chemistry was a reminder about sustainability. I hope to learn more about green chemistry in the future. - *Jay Mehta IXE*

IMPORTANT DAYS AND ACTIVITIES APRIL/MAY/JUNE 2024

Prof. V. Sunitha

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1st April - Prevention of Blindness week

It is observed from 1st to 7th April to spread awareness against the causes of blindness and the ways to prevent them.



2nd April - World Autism Awareness Day



On April 2, people around the world mark World Autism Awareness Day to educate and raise awareness about autism.

2nd April - Chaitra Navratri

Beginning on April 2, 2023, and

ending on April 11, 2023, is Chaitra Navratri. During the nine-day event, devotees offer prayers to Goddess Durga in each of her nine manifestations.



4 April-International Day of Mine Awareness



The International Day for Mine Awareness and Assistance in Mine Action is held annually on April 4 to raise public awareness of the danger that landmines pose to the security, well-being, and lives of civilian populations and to encourage state governments to create mine-clearing initiatives.

5th April- National Maritime Day

The International Day for Mine Awareness and Assistance in Mine Action is held annually on April 4 to raise public awareness of the danger that landmines pose to the security, well-being, and lives of civilian populations and to encourage state governments to create mine-clearing initiatives.



7 April- World Health Day

Health is wealth, as we all know. As a result, April 7 is observed as World Health Day throughout the world. The



World Health Organization oversees a number of initiatives and agreements. In 1950, it was honoured for the first time.

10 April - World Homeopathy Day

Day (WHD)

Every year on April 10, World Homeopathy Day (WHD) is marked to honour Dr. Christian Friedrich Samuel Hahnemann, the system's founder and father. This day's major objective is to increase public awareness of the benefits of homeopathy. Actually, the World Homeopathy Awareness Organization sponsors World Homeopathy Week every year from April 10 to April 16.



11 April - National Safe Motherhood Day (NSMD)



Every year on April 11, National Sexual and Maternal Health Day (NSMD) is marked to raise awareness about maternity facilities, lactating women, and good health care for women.

13 April - Jallianwala Bagh Massacre

It took place on 13 April 1919 at Amritsar and is also known as the Amritsar massacre. On this day, British troops under the Command of Gen Dyer fired on a large crowd of unarmed Indians in Amritsar in Punjab of India. Several hundred people were killed and many hundreds were wounded.



14 April- B.R. Ambedkar Remembrance Day



The day of remembrance for B.R. Ambedkar, also known as Ambedkar Jayanti or Bhim Jayanti, is commemorated on April 14 to honour his memory. Baba Saheb Bhimrao Ambedkar, an Indian politician and social rights

advocate, was born on this day.

April 14: Baisakhi Day

It is a spring harvest festival that is observed by members of the Punjabi community on April 13 or 14. It is observed on April 14 this year. One of the



important Sikh holidays, it is observed both in India and all around the world.

17 April - World Haemophilia Day



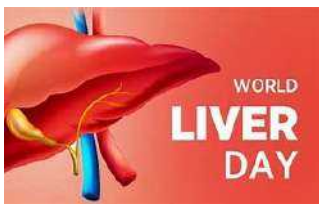
Hanuman Jayanti, or the birthday of Lord Hanuman, is a national holiday. On the day of the full moon during the Chaitra month, it is observed all across the nation.

18 April- World Heritage Day

Every year on April 18, this day is celebrated in order to honour the efforts of all pertinent organisations in the area and conserve human history. The General Assembly of UNESCO ratified the declaration of this day in 1983 after it was made by the International Council on Monuments and Sites (ICOMOS) in 1982.



19 April-World Liver Day



It is marked on April 19 in order to raise awareness of liver-related disorders. The liver is the body's second-largest organ. It is also the second most complicated organ in the body, right after

the brain. It carries out a number of vital tasks related to immunity, metabolism, digestion, and the storage of nutrients inside the body.

21 April - National Civil Service Day

Every year on April 21, Civil Service Day is a time for employees to renew their commitment to serving the public. On this day, government employees from all around the nation gather to exchange experiences and learn from one another about what it's like to work in the public sector.



22 April- World Earth Day

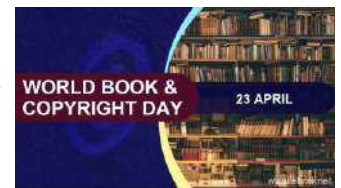


Every year on April 22, this day is commemorated to honour the beginning of the contemporary environmental movement in 1970. Since Earth is the only planet in the universe where life is conceivable, it is important to preserve this

natural resource. In order to raise public awareness of the planet's importance, World Earth Day is observed.

23 April - World Book and Copyright Day

This day is observed annually on April 23 to encourage reading and book enjoyment. Because books create a connection between the past and the present, a bridge between generations, and a bridge across cultures, it is important to appreciate the magical powers of books.



25 April - World Malaria Day

Every year on April 25, World Malaria Day is observed to increase public awareness of malaria and the best ways to prevent, treat, and ultimately eradicate it.



28 April - World Day for Safety and Health at Work

The International Labour Organization (ILO) has been

observing this day on April 28 every year since 2003. This day celebrates workplace safety and health and aims to keep up these efforts despite a number of changes, including those brought on by technology, demographic shifts, and climate change, among others.

30 April - World Veterinary Day

People from all around the world gather on the final Saturday in April each year to promote awareness of the crucial roles that veterinarians perform. This day was established by the World Organization and the World Veterinary Association.



May 2024



Labour Day or May Day are other names for International Labour Day. It is observed on May 1st all across the world. Labour Day is known as Antarrashtriya Shramik Diwas or Kamgar Din in India.

2 May - World Asthma Day (First Tuesday of May)

Every year on the first Tuesday in May, the world celebrates World Asthma Day to raise awareness of and concern about asthma. The Global Initiative for Asthma hosts a yearly occasion. The symptoms of asthma include chest tightness, dyspnea, coughing, and chronic bronchitis inflammation.



3 May - Press Freedom Day



Press Freedom Day, also known as World Press Freedom Day, is held annually on May 3 to assess press freedom throughout the world and to remember journalists who have died while performing their jobs.

4 May – Coal Miners Day

Coal Miners Day is celebrated annually on May 4 to thank coal miners. Let us inform you that coal is extracted from the ground through the process of mining. One of the riskiest jobs in India is coal mining.



5 May - Buddha Jayanti or Buddha Purnima



Gautama Buddha is thought to have been born in Lumbini, not far from Kapilavastu, on the full moon of the month of Vaishakh. 'Jyoti Punj of Asia' or 'Light of Asia' are other names for him. Buddha Jayanti or Buddha Purnima is observed on May 5th of this year.

6 May - International No Diet Day

Every year on May 6, it is celebrated. It is a celebration of accepting one's body, especially one's fatness and the variety of body types.



8 May - World Laughter Day (first Sunday of May)



Every year on the first Sunday of May, World Laughter Day is observed. The initial event was in India, in 1998. Dr. Madan Mohan Malhotra is the man behind the movement, organ

8 May - World Red Cross Day

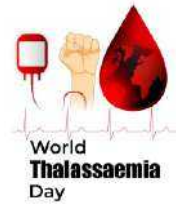
Every year on May 8th, World Red Cross Day is commemorated to mark the birth of the Red Cross's founder. Let us inform you th



both the Red Cross and the International Committee of the Red Cross (ICRC) founder.

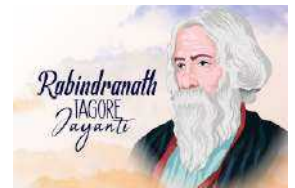
8 May - World Thalassaemia Day

Every year on May 8, World Thalassaemia Day or International Thalassaemia Day is commemorated in remembrance of all thalassaemia patients and their parents, who have never lost hope for life despite the burden of their illness. Additionally, those who struggle to manage the disease are inspired by this day.

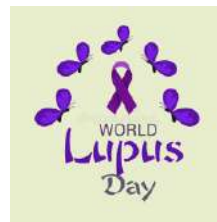


9 May – Rabindranath Tagore Jayanti

The day of Boishakh 25th presently falls on either the 8th or 9th of May according to the drikpanchang. He was a leading figure in Indian art, literature, Bengali poetry, humanism, philosophy, etc. He received the Nobel Prize in Literature in 1913.



10 May- World Lupus Day



On May 10, people all across the world mark World Lupus Day. Its goal was to raise our awareness of the fact that the symptoms, which at first glance might seem unrelated, are actually warning signs of a debilitating, chronic autoimmune disease.

11 May - National Technology Day

Every year on May 11, National Technology Day is commemorated to draw attention to the crucial role that science plays in our daily lives and to inspire youngsters to consider a career in the field. The Pokhran nuclear test took place on May 11, 1998, Shakti.



12 May - International Nurses Day



The anniversary of Florence Nightingale's birth is commemorated each year on May 12 by observing International Nurses Day. This day also honours the contributions that nurses have made to society worldwide.

14 May - Mother's Day (Second Sunday of May)

Every year on the second Sunday in May, Mother's Day is marked in various ways all around the world to honour

mothers. Anna Jarvis, who proposed the idea of observing Mother's Day in 1907 to praise women and motherhood, is credited with creating the holiday.



15 May – International Day of Families

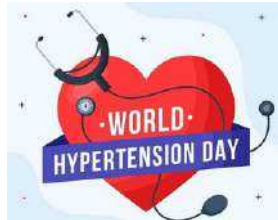


Every year on May 15, the world celebrates families. The primary societal unit is the family. This day offers a chance to deepen understanding of the difficulties affecting families and the social, economic, and demographic dynamics that

have an impact on them.

17 May - World Hypertension Day

The World Hypertension League (WHL) observes this day on May 17 each year. The goal of the day is to increase public awareness of hypertension and to motivate people to stop and manage this pandemic that kills silently.



18 May - International Museum Day



Every year on May 18, International Museum Day is commemorated to increase public awareness of museums and their value to society. International Museum Day was established in 1977 by the International Council of Museums (ICOM). Every year, the association proposed a suitable theme, such as globalisation, overcoming cultural divides, or environmental protection.

19 May - National Endangered Species Day (Third Friday in May)

National Endangered Species Day is observed annually on the third Friday in May to increase public awareness of the value of conservation and restoration efforts for all threatened species.



22 May - International Day for Biological Diversity



Every year on May 22 to raise public awareness and knowledge of biodiversity challenges, the International Day for Biological Diversity

May 23 - World Turtle Day

Every year on May 23, it is observed to raise awareness about the need to safeguard turtles and tortoises as well as their rapidly diminishing habitats. The future seems brighter with the possibility of harmonious coexistence between people and turtles.



31 May – Anti-Tobacco Day



Every year on May 31, people all over the world mark Anti-Tobacco Day or World No Tobacco Day to raise awareness and educate them about the detrimental effects of tobacco on health, including heart disease, cancer, tooth decay, and tooth discoloration.

June 2024

1 June – World Milk Day

Every year on June 1st, the world commemorates World Milk Day to honour the dairy industry's significant contributions to sustainability, economic development, livelihoods, and nutrition.



3 June - World Bicycle Day



The United Nations General Assembly established June 3rd as International World Bicycle Day to honour the bicycle's distinctiveness, longevity, and versatility as a low-cost, ecologically benign, and long-lasting mode of transportation.

5 June-World Environment Day

Every year on June 5th, more than a hundred countries commemorate World Environment Day. The environment is a serious issue that not only impacts people's well-being but also impedes economic development around the world. "Beat Plastic Pollution" is the subject of World Environment Day 2023.



7 June – World Food Safety Day

On June 7, World Food Safety Day is commemorated to raise awareness about the dangers of polluted food and



water to human health. This day also focuses on how to lower the danger of food poisoning. Food safety is essential for reaching the Sustainable Development Goals.

8 June – World Oceans Day

Every year on June 8, World Oceans Day is commemorated to encourage people of all ages to take charge of their own destiny and stop damaging the oceans and other bodies of water. This day was dedicated to raising awareness about the importance of eliminating single-use plastics and taking the steps necessary to effect genuine change.



14 June - World Blood Donor Day



Every year on June 14th, World Blood Donor Day is commemorated to promote awareness about the importance of blood donations around the world and to thank blood donors for their contributions. "Donating blood is an act of solidarity," says

this year's slogan. "Join the fight to save lives."

15 June - World Wind Day

Every year on June 15th, the world celebrates World Wind Day to promote clean energy. It's a day to learn about wind energy, its power, and the potential it offers to alter our energy systems, reduce carbon emissions, and boost job creation and growth.



15 June - World Elder Abuse Awareness Day



Every year on June 15th, this day is commemorated to raise awareness about the importance of caring for the elderly. Elder abuse is a worldwide social problem that impacts the health and human rights of millions of senior citizens. The United Nations General Assembly declared the day a global

holiday.

17 June - World Day to Combat Desertification and Drought

Since 1995, this day is observed to spread awareness about international cooperation to combat desertification and the effects of drought. The United Nations General Assembly in 1994



declared 17 June as the "World Day to Combat Desertification and Drought".

18 June -Autistic Pride Day

Every year on June 18th, it is commemorated to honour variety and limitless possibilities. This is a day for patients with autism and their family or carers to get together. A day dedicated to promoting awareness, acceptance, and self-determination.



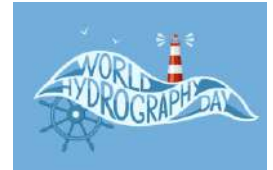
3rd Sunday of June - World Father's Day



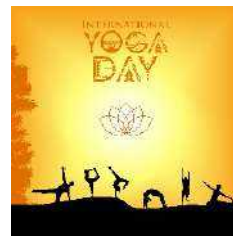
Every year on June 20th, this day is commemorated to raise awareness about the hardships that refugees endure around the world. World Refugee Day is also an important opportunity for the public to demonstrate their support for families who have been forced to escape their homes.

21 June - World Hydrography Day

Every year on June 21st, World Hydrography Day is held to raise public awareness about hydrography science. This day is commemorated every year by the International Hydrographic Organization (IHO) and its international members.



21 June – International Yoga Day



International Yoga Day is observed on June 21st all over the world to create awareness about the importance of yoga in daily life and to inform people about its advantages. The Ministry of AYUSH in India commemorates International Yoga Day.

29 June: National Statistics Day

On June 29th, the day is commemorated to promote the use of statistics in everyday life. Prof. P C Mahalanobis' birthday is celebrated on this day.



29 June: International Day of the Tropics



Every year on June 29th, it is commemorated to raise awareness about conservation measures and to promote the world's tropical regions.



From the Editor's Desk

Dear Readers

I welcome you to **Volume 5, Issue 2**, of the **PRAKRITI SANRAKSHAN** quarterly newsletter of STE.

The important days observed from April-June 2024 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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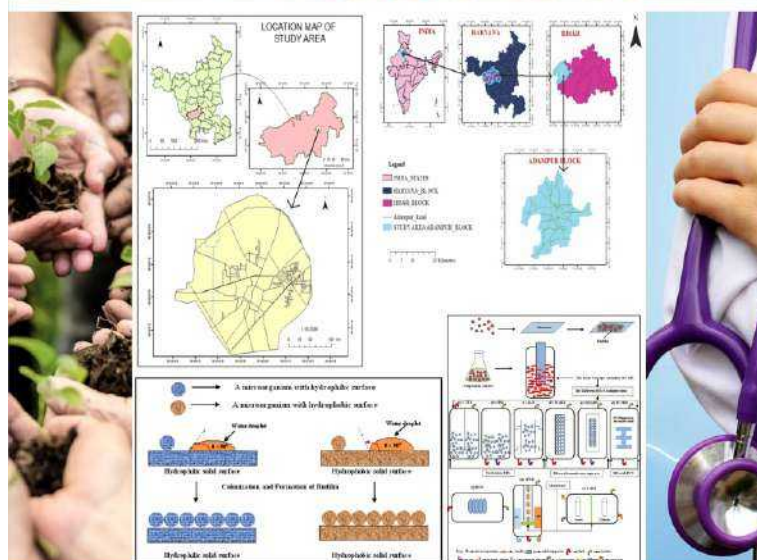
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We are pleased to announce that the DOI prefix for International Journal of Environment and Health Sciences is now available from Crossref, the official Digital Object Identifier (DOI). **The journal is now indexed in International Scientific Indexing (ISI).**



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STE Annual Awards 2024

(NOMINATION AND APPLICATIONS ARE INVITED)

LAST DATE 30th September, 2024

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 who have contributed in different fields 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

STE Dr. Praloy O Basu Life Time Achievement Award

STE International Achiever Award

STE Fellowship Award

STE Green Excellence Award

STE Meritorious Award For Excellence in Academics and Research

STE Water Award

STE Women Excellence Award

STE Best Ideas/Innovations/Technology for Environment Award

STE Young Researcher (Faculty) Award

STE Young Researcher Award

STE Best School Principal Award

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STE Humanitarian Award for NGOs

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www.stenvironment.org/ste-awards/

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Awards/ recognition received for DART

- Silver Medal for Innovative Technology in Anveshan Competition on 29th 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

Our Collaborators

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- ◆ Vidyasagar Park MWA
- ◆ Milan Samity-Hrishikesh Park
- ◆ Swami Rama Himalayan University (SRHU), Dehradun, Uttarakhand

STE is pleased to announce that the STE State chapter of Uttarakhand has been opened and is ready to start activities there. It is requested that those who want to do any programme/ seminar / conference / symposia or any other related activity under the mandate of STE are welcome to come forward and take off for the new journey of STE in the mountains.



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