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# NESA NEWSLETTER

NATIONAL ENVIRONMENTAL SCIENCE ACADEMY

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July 2022

From the Editor's

Dear Readers,

Greetings!!

In July issue of our Newsletter, we recount popular articles from diverse field. I express sincere and huge thank to all the persons who shared articles, without which there wouldn't have been this issue. Please continue sharing such articles and share with your friends also.

I would like to thank President and General Secretary, NESAC, New Delhi, and the Editorial team including Print, Designer and Publication committee for their nonstop support and efforts throughout this edition.

Hope this edition makes an interesting read. Please feel free to offer any suggestions for improvement.

**Dr. R. S. Tomar**  
Editor-in-Chief

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## AN UNIQUE ART EXHIBITION INTEGRATING SOCIETY, ENVIRONMENT AND POSITIVE MENTAL HEALTH

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Art is a manifestation of expressions inside us as human beings. From time immemorial, from the very dawn of human civilizations; art and crafts has been associated with human society and humanity. From the cave paintings of our ancient ancestors through artefacts collected across the world from pre historic ages to Copper, Iron and Bronze Ages; human ingenuity and art expressions have taken different forms at different corners of the planet. From the Toltec, Aztec, Mayan and Inca civilizations of continental America to the awe inspiring civilizations of Indus Valley, China, Egypt, Babylon, Greek and the Romans; art has always been associated with human socio-cultural history at every stage of our evolution from our anthropoid ape ancestors to present day modern humans. From the Classical Age to Modern and to our Post Modern era, art has taken shapes in various formats in different societies across the globe. Art and humans are integrated together and are truly inseparable.

I am not a professional artist by training; nor do I claim to be an amateur artist in form. I have virtually no formal or

informal training in arts and crafts; although I always enjoyed visiting art galleries from a very young age. I had no idea or concept about primitive or modern art in any form as I am trained and educated in Science and my research areas interface with Life Sciences, Agricultural Sciences and Environmental Sciences. My only formal exposure to arts and crafts has been at the primary and secondary levels of education like any other student representing that period.

I never showed any talent as a good painter, sculptor or calligraphy artist. In fact my drawings have been horrible and till date could not even sketch a full human figure with any perfection. My drawing exposures and talents has been mostly associated with preparing diagrams, graphics, maps, schematic flow charts and figurative sketches for my practical classes from my primary to tertiary level of education. But art history as a subject has always intrigued me and global art forms representing different ages, genders, styles and expressions has always fascinated me. I always enjoyed visiting art galleries, museums, archaeological sites, ancient and modern architecture; and enjoyed looking at sculptures and paintings by great Masters across the globe.

Photography has been my passion from my school days; and has still been one of most passionate hobbies. I have experimenting with the use of light, photo framing, camera angles and lenses for quite sometime. A vast section of my photographs are for the purpose of scientific and historic records and documentation. However, over the years I have been engaged in artistic photography and while in Canada this hobby took special turn in developing into my passion. It is during this time in Canada my passion for art through serendipity took me towards experimenting with various media, resources, tools and softwares to work on producing unique designs for purely my own entertainment purpose.

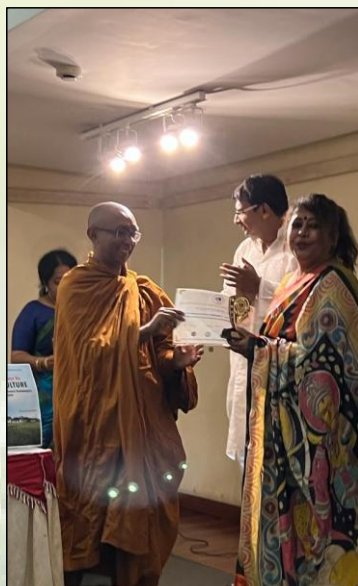
However, over time as I perfected the techniques and methods for producing my unique designs, memes and doodles through trial and error; I did finally realize the true value of it. I have received many awards and recognitions

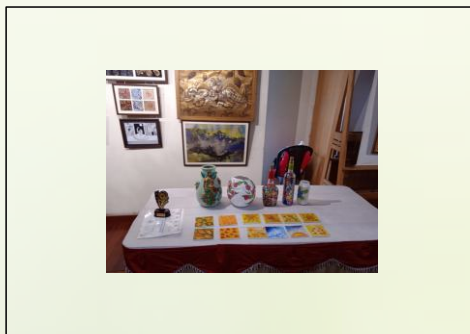
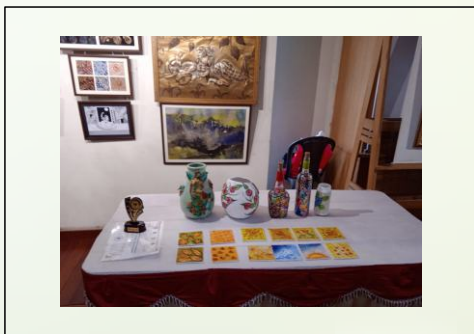
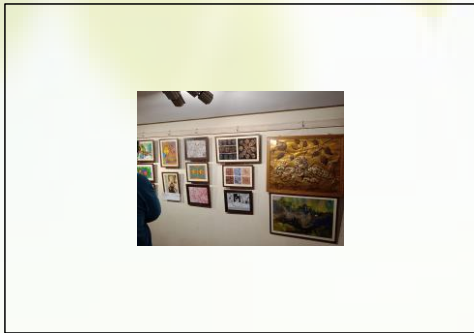
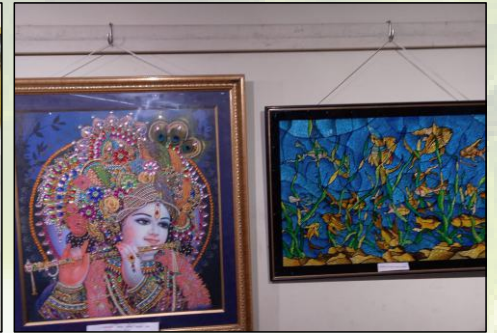
for my photography in Canada, India and at international platforms. But I have never explored the opportunities of a creative designer. This in fact is the first publication of my humble artworks and designs in the past five to six years.

Organized by HO Chi Minh Sarani, ECHO (Organization for Education, Counseling and Helping) a Kolkata based NGO on 24th July 2022, Sunday, ICCR "PRERONA" (inspiration) an arts and crafts exhibition to empower artists with their creativity and a special skill like saree making along with beautiful artworks, paintings, crafts, and beaded jewelry and recycled products. It is going to hold this beautiful initiative in collaboration with other organizations like (Casa-dei-Bambini-CDB, The Science Association of Bengal-SAB, Gobardanga Gobeshona Parshad-GGP, Center for Multidisciplinary Research and Action-CMRA). Thirteen people are participating in this event. The participants are – Sutpa Basu, Saikat Kumar Basu, Piyali Nandi, Asmi Chowdhury, Jayita Chaki, Santwana Basu, Suhan Mondal, Neha Ghosh, Ankita Saha, Vikram Mitra, Pompa Banerjee, Tilottoma Dey and Sutapa Bardhan.

ECHO, is primarily a mental health organization that works on mental health and wellbeing and promotes happiness, self-esteem and motivation and ways to stay mentally healthy through such engaging events. Helps and stimulates to reduce depression, anxiety, depression of our modern life. As an organization ECHO is constantly striving to improve the role of women in society and the lives of women through various aspects. They help and work towards empowering women by providing them with proper training and becoming economically self-reliant. Teaching them arts and crafts to help them economically is one of the main objectives of ECHO and hence the organization has a dominant presence of women artists representing different socio-economic strata.

Arts and crafts are not just a creative activity for us; But through color and creativity helps transform life through simple ways of life. It is to organize an arts and crafts exhibition in addition to a series of workshops to connect ECHO members with the wider society. When currently our





world is set towards a path of uncertainty, war and instability, pandemic, famine and draughts, failing economy, helplessness, corruption and nepotism; it is quite natural for people to be depressed or frustrated over life. Diseases and ailments related to mental depression, anxiety, hypertension, high blood pressure, high sugar and cholesterol levels in blood has been seriously impacting the quality of our lives.

It is at this crucial juncture we need to learn to stay better, mentally strong, determined and focused. One important way for solace is positive engagements to keep our mind occupied outside our professional and domestic life. We need peace, serenity and tranquility for qualitative improvement of our life efforts. What could thus be a best possible opportunity to engage oneself with arts and crafts. It may work for a number of people suffering from anxiety,

depression and frustration or challenges of anger management or hypertension to be engrossed with the beauty of arts, crafts and architecture.

This international exhibition at ICCR has this been a demonstration of 'Celebration of Life' through inspiration (PRERONA), a central theme to encourage people in our society to engage positively with arts and crafts to have a better exposure towards the positivity of life. The artworks captured various moods of our ecology and environment, society and societal practices, socio-cultural and religious activities, sociology-political life, wildlife, nature, women empowerment? urban and rural life, creative designs, BioArt, EnviroArt, memes, cartoons, portraits, photographs, wood work, engraving, metal leaching, to velvet, sand, coloured stones, glitters as well as used of shoal, thermocol, discarded

wastes converted into art objects, artistic jewellery, boutique products and even nature based products such as cutleries, cups, plates, jewellery boxes, files and bagels made from water hyacinth stem, jute, cotton and other eco-friendly environmental products.

Most of the performing artists were all untrained and belong to different profession such as research and academics, business professionals to seasoned Information Technology experts. Students, teachers, professors, journalists, medicos, lawyers, writers and even home makers joined this unique exhibition with outstanding artworks that mesmerized both guests, visitors and the audience. The evening of July 26th at ICCR remained a memorable event with art exhibition, erudite lectures on mental health and it's association with arts and crafts, book release programs, felicitation ration of honoured guests such as eminent physician Dr. Kajol Krishna Banik and Dr. Sukanya Banerjee Banik, Buddhist scholar and researcher Dr. Sumanapal Bhikkhu, Management guru Prof Unus Molla, Botanist Prof Stephen Cheriyl as well as socialite

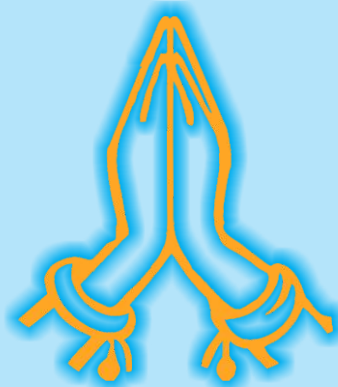
like Ms. Sikha Basu, artist and teacher Ms. Sutapa Basu and science communicators like Dr. Subhabrata Roy Chowdhury and Mr. Dipak Dan.

The mixed crowd of audience representing kids, school going as well as college and university students together with professionals and home makers from every corner of the society was a big bonus for the organizers. Since it was an unique exhibition to demonstrate how arts and crafts could play a positive role towards developing positive mental health; the spectrum of audience was truly monumental. The great participation together with an informal platform provided for artists as well as the audience created a very soothing platform of exchange between various members of our society. We look forward towards more such positive interactions through engagement for our society in the coming days. Thanks to all the organizers for their outstanding work, encouragement and effort that was greatly appreciated!

*Photo credit: Saikat Kumar Basu*

All the readers are requested to share articles related to global, nature, environment, renewable and non-renewable resources, biodiversity and other inter-related topics to publish in the NESA newsletter. The suggestions for the betterment of the society can be shared with others. Our academy is very old and has more than 2500 life members. We hope that members will contribute more articles and send their suggestions/comments in future.

*Editor, NESA Newsletter*



### **Appeal**

**NESA MEMBERS ARE REQUESTED TO PLEASE SEND ARTICLE FOR THE PUBLICATION IN NESA E-NEWSLETTER AND FOR THE JOURNALS.**

## IMPORTANT DAYS, EVENTS AND FESTIVALS IN JULY

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### 1st July – 'National Doctors Day

On July 1st, India celebrates Doctor's Day to recognise the value that doctors have in our lives. This day is intended to honour medical industry advances as well.



### 1st July – National Postal Worker Day



Every year on July 1st, National Postal Worker Day is commemorated to honour and show gratitude to all the men and women who routinely and tirelessly deliver all of our mail and deliveries.

### 1st July - Chartered Accountants Day

Since the Institute of Chartered Accountants of India (ICAI) was founded on July 1st, 1949, it is celebrated as Chartered Accountants Day in India. It is the world's second-largest organisation for professional accounting and finance.



### 1 July - National U.S. Postage Stamp Day



Every year on July 1st, the United States commemorates the invention of postage stamps, which are used to mail messages, and shows appreciation for the outstanding effort of all philatelists.

### 1st July - National Gingersnap Day

Every year on July 1st, National Gingersnap Day is observed to enjoy this savoury and sweet delight. Do you know that the key ingredients in gingersnaps are molasses, brown sugar, ginger, cinnamon, and cloves? Basically, it



combines sweet and spicy flavours. Due to their decreased calorie content, they are better alternatives to other cookies.

### 2nd July - World UFO Day



July 2nd is designated as World UFO Day. Haktan Akdogan, a UFO hunter, founded it. In 2001, the first World UFO Day was observed, encouraging people to examine the heavens for unexplained flying objects.

### 2nd July - National Anisette Day

Every year on the second of July, National Anisette Day is widely celebrated in Spain, Italy, Portugal, and France. Let us explain that anisette is a distilled liquor with an anise flavour that is occasionally produced by adding sugar.



### 3rd July - National Fried Clam Day



Every year on July 3, people celebrate National Fried Clam Day. Deep-frying the clams after coating them in bread crumbs and further stripping them results in fried clams. This is how fried crumbs are often made.

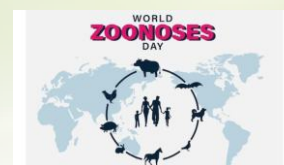
### 4 July: USA Independence Day

On July 4, Americans celebrate their independence.

Independence Day in the United States is sometimes referred to as the Fourth of July or simply the Fourth. On this day, we remember how the Kingdom of Great Britain ratified the Declaration of Independence on July 4, 1776.



### 6 July - World Zoonoses Day



Every year on July 6, World Zoonoses Day is commemorated to highlight the issue, raise awareness of it, and teach people how to respond appropriately. Louis Pasteur gave the first immunisation against a zoonotic disease on July 6, 1885.

### 7 July - World Chocolate Day

On July 7, we commemorate the day that chocolate was introduced to Europe for the first time, back in 1550. Different nations observe World Chocolate Day on various dates.



**9 July- National Sugar Cookie Day**



It is celebrated on July 9 in honour of the well-known and delectable sugar cookie. The day honours the importance of sugar cookies in our lives as well as the tasty little treat they are.

**11 July - World Population Day**

Every year on July 11, World Population Day is commemorated to draw attention to the urgency and significance of population issues.



**12 July - National Simplicity Day**



**National Simplicity Day**

National Simplicity Day is observed annually on July 12 to honour Henry David Thoreau, a well-known transcendentalist, novelist, philosopher, historian, tax resister, abolitionist, development critic, surveyor, and supporter of simplicity. He essentially supported living a modest life.

**12 July - Paper Bag Day**

Every year on July 12, people celebrate Paper Bag Day to recognise the significance of the development of the paper bag, which we typically take for granted. A teacher named Francis Wolle created the first machine for mass-producing paper bags in 1852.



**12 July - Jagannath Puri Rath Yatra**



The celebration is held in remembrance of the annual voyage that Lord Balbhadra and Goddess Subhadra made with their sibling, Lord Jagannath.

**13 July: National French Fry Day**

On July 13, the nation recognizes a common dish found on menus all across the place. The day is created to honour the fantastic meal. There are numerous cuts and kinds of French fries.



**15 July - World Youth Skills Day**



Every year on July 15, World Youth Skills Day is observed to promote awareness of the value of technical, vocational education, and training as well as the development of other skills important to both national and international economies.

**15 July - Social Media Giving Day**

It is observed on 15 July. The day was inaugurated by Givver.com, a platform dedicated to fundraising through Twitter, in 2013.



**17 July - World Day for International Justice**



Every year on July 17, people around the world mark World Day for International Justice. It is often referred to as International Justice Day or the Day of International Criminal Justice. Today, the developing system of international criminal justice is

acknowledged.

**18 July - International Nelson Mandela Day**

Every year on July 18, there is a celebration of International Nelson Mandela Day. The holiday honours Mandela's life and contributions in a lasting fashion that will result in the necessary transformations.



**20 July - International Chess Day**



To commemorate the founding of the Federation Internationale des Echecs, it is observed on July 20. (FIDES).

**20 July - Moon Day**

Moon Day honours the occasion of the first lunar landing in 1969.



**22 July – Pi Approximation Day**

Since Pi has a value of 22/7, it is celebrated on



July 22 each year as Pi Approximation Day. In contrast, Pi Day is observed on March 14, which is close to the value of 3.14 and also happens to be Albert Einstein's birthday.

### 22 July - National Mango Day or Mango Day



It is observed on July 22. Today is the day to learn some interesting facts about the sweet and juicy mango, including its history.

### 22 July - Chandrayaan 2 launching date

On July 22, 2019, Chandrayaan-2 was launched from Sriharikota's Satish Dhawan Space Center. It was India's second lunar expedition.



### 24 July - National Thermal Engineer Day



Every year on July 24, National Thermal Engineer Day is commemorated to highlight the significance of developing the thermal engineering field and to offer the electronics industry creative, excellent, and affordable thermal management and packaging solutions.

### 25 July - National Parent's Day (Fourth Sunday in July)

On the fourth Sunday in July, which falls on July 25 in 2021, National Parents Day is observed. This day is dedicated to all the parents who have a significant impact on the lives of their children. There are no words to describe how much they give up and love their kids unconditionally.



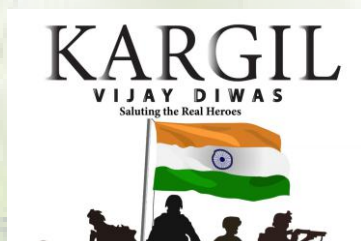
### 25 July - World Embryologist Day



Since Louise Joy Brown was the first child to be born via in vitro fertilisation on July 25, 1978, the day is commemorated annually as World Embryologists Day.

### 26 July - Kargil Vijay Diwas

On July 26, we celebrate Kargil Vijay Diwas, which was inspired by the triumph of Operation Vijay. The Kargil War, which lasted roughly 60 days, came to a close on July 26. To honour the Kargil War Heroes, this day is observed.



### 28 July - World Nature Conservation Day

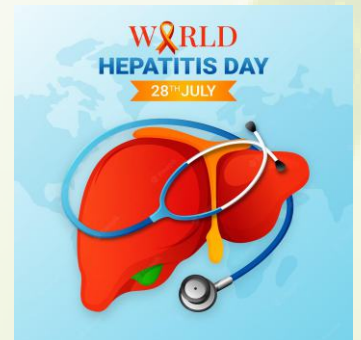


Every year on July 28, people throughout the world celebrate World Nature Conservation Day to recognize how important a healthy environment is to current generations as well as a stable and productive society. Our natural resources

must be preserved, managed sustainably, and protected.

### 28 July - World Hepatitis Day

Every year on July 28, World Hepatitis Day is commemorated to provide a chance to intensify regional, global, and national efforts to combat hepatitis. Additionally, this day serves to raise awareness of the hepatitis disease and the effects it has on those who have it.



### 29 July - International Tiger Day



Every year on July 29, people around the world celebrate International Tiger Day to raise awareness about the need to maintain tigers' natural habitats. Global Tiger Day is another name for today.

### 30 July - International Friendship Day

The 30th of July is observed as International Friendship Day to recognise the value of friendship in life. The day also promotes the part that friendship may play in fostering peace across many world cultures.



### 30 July: System Administrator Appreciation Day

Every year on the last Friday in July, System Administrator Appreciation Day is held to honour the time and effort put in by administrators, device physicians, and tech-therapists who sacrifice and perform their magic at odd hours. The date for this year, 2021, is July 30.



# APPLICATIONS ARE INVITED FOR NESA ANNUAL AWARDS 2022

Last Date 30<sup>th</sup> September, 2022



## 1. NESA FELLOWSHIP OF THE YEAR AWARD

*AGE: 42 years and above*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event. Can suffix F.N.E.S.A. after their names.

## 2. NESA EMINENT SCIENTIST OF THE YEAR AWARD

*AGE: 40 years and above*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 3. NESA SCIENTIST OF THE YEAR AWARD

*AGE: 32 years and above.*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 4. NESA ENVIRONMENTALIST OF THE YEAR AWARD

*AGE: Up to 32 and above*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 5. NESA GREEN TECHNOLOGY INNOVATIVE AWARD

*AGE: 32 years and above*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 6. NESA DISTINGUISHED SCIENTIST OF THE YEAR AWARD

*AGE: 35 years and above*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 7. WOMEN EXCELLENCE OF THE YEAR AWARD

*AGE: 32 years and above*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 8. NESA YOUNG SCIENTIST OF THE YEAR AWARD

*WHO CAN APPLY*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 9. NESA JUNIOR SCIENTIST OF THE YEAR AWARD

*AGE: Up to 30*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 10. NESA BEST RESEARCHER AWARD

*AGE: Up to 35*

The recipients shall get Citation, Certificate, Memento, Medal and Conference Registration along with Kit will be provided in the event.

## 11. NESA BEST PHD THESIS AWARD

*AGE: Up to 35*

The recipients shall get Citation, Certificate, Memento, Medal and Free Conference Registration along with Kit will be provided in the event.

## PRESCRIBED APPLICATION FORMS

The application forms can be downloaded from [www.nesa-india.org](http://www.nesa-india.org). Separate application forms should be submitted for independent awards. The application forms are non-transferable and it can also be obtained by sending a bank draft of **Rs. 1000/- only (per form)**, drawn in favour of **National Environmental Science Academy**, payable at **NEW DELHI**.

**\*Please log on to our website for Guidelines**

**E-mail: [infonesa88@gmail.com](mailto:infonesa88@gmail.com)**

**[nesapublications@gmail.com](mailto:nesapublications@gmail.com)**

**Website: <http://nesa-india.org/nesa-annual-awards-2022/>**