

13th Oct 2024



IWA
Project Innovation
Award 2024

SILVER

Breakthrough in
Research & Development

(Amongst 108 entries from 34 Countries)



(Awarded on 13th Aug 2024 in Toronto, Canada)

5th Oct 2024



**VALUABLE
CONTRIBUTOR
AWARD**

TADOX by TERI

**CHAMPION:
GREEN LEADERSHIP**



GRIHA Council
presents

Valuable Contributor Award

to

The Energy and Resources Institute (TERI) for TADOX
in the category of
Green Leadership


Vice President & CEO
GRIHA Council

4 October 2024

**GREEN
LEADERSHIP**
GRIHA
**Valuable
Contributor Award
2024**

**TERI's TADOX®
Technology**

**NEW DELHI
2024**



22nd Dec 2024

The Institution of Engineers (India) Award

Institution of Engineers (India) Smt. Saroma Sanyal Memorial Award with a Gold Medal received for the published work in the category 'Original Contribution' titled '**Breakthrough in treatment of Sewage using direct photocatalysis, bypassing biological treatment with removal of micro pollutants to enable high-end water re-use**' by N Bahadur, N Bhargava, S K Sarkar and V Dhawan in the Journal of The Institution of Engineers (India): Series-A, Volume 104, Issue 3, Page 541-550 (attached). Awarded during the 39th Indian Engineering Congress of The Institution of Engineers (India) in Kolkata during Dec 20-22, 2024.



13th June 2023

Indian Women Scientist Association, Member Achievement Award 2023

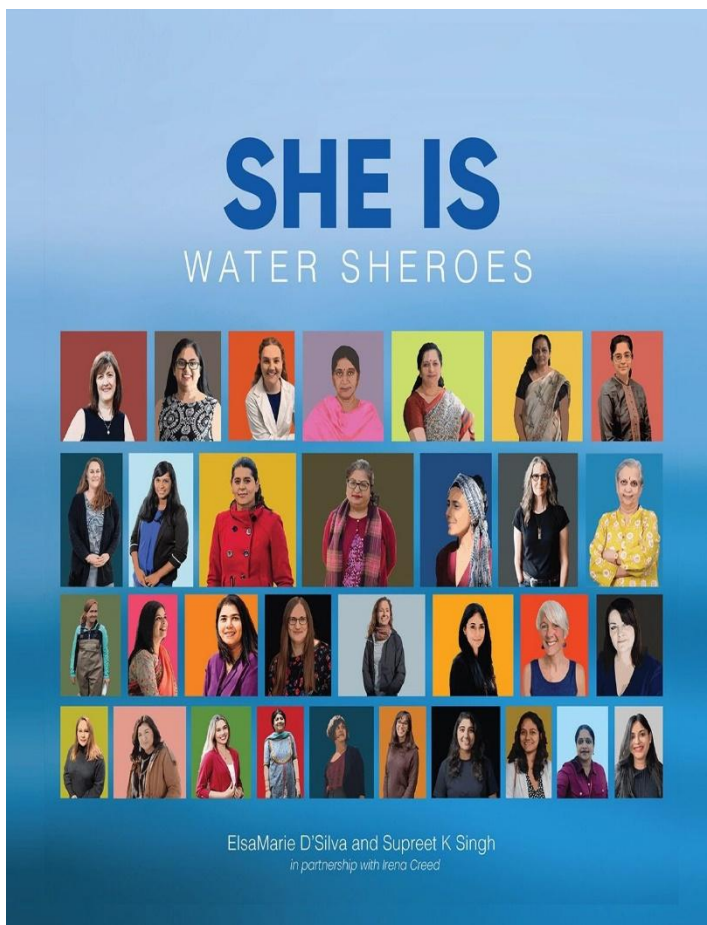
Distinguished contributions made in the field of teaching, research, technology development and implementation



23rd March 2023

10 Indian Water Seroes

- ❑ Award given by the Office of the Principal Scientific Advisor to Govt of India, Office of the Chief Science Advisor of Canada, Royal Society of Canada, Office of the Deputy Representative UN Women and the Red Dot Foundation.
- ❑ Selected and featured amongst 10 Indian Water Seroes in the areas of Water Action. Inspiring Stories of all 29 selected Indian and Canadian Women were collected and a book launch with Women Awardees took place in an event in the UN Water Conference at New York and parallelly in India at the Canadian Consulate in Mumbai.



The poster is blue with white text. At the top, it says '#SHELEADSHERE' with a wave icon. Below that, it says 'We are pleased to announce our new book' followed by 'SHE IS - WATER SHEROES' in large, bold letters. It then mentions 'In collaboration with the Office of the Principal Scientific Advisor to the Government of India and the Consulate General of Canada in Mumbai.' and 'An esteemed jury selected 29 wonderful women from India and Canada to be featured in the book.' Below this is a list of 29 women's names. At the bottom, it says 'By - ElsaMarie Dsilva and Supreet K Singh in partnership with Dr Irena Creed'.

#SHELEADSHERE

We are pleased to announce our new book

SHE IS - WATER SHEROES

In collaboration with the Office of the Principal Scientific Advisor to the Government of India and the Consulate General of Canada in Mumbai.

An esteemed jury selected 29 wonderful women from India and Canada to be featured in the book.

- Aditi Mukherji
- K. Sri Bala Kameswari
- Natalie Ban
- Qurratulain Contractor
- Nupur Bahadur
- Nora Casson
- Akanksha Agarwal
- Garvita Gulhati
- Purnima Jalihal
- Annabelle Rayson
- Indumathi Nambi
- Ranjana Ray Chaudhuri
- Barbara Sherwood Lollar
- Kalpana Ramesh
- Riddhi Singh
- Bobbi Rose Koe
- Lori Elisabet Ann Bradford
- Roxane Maranger
- Charu Joshi
- Merrell-Ann Phare
- Sapna Sharma
- Chaya D Rao
- Merrin Macrae
- Stella Marguerite Bowles
- Chelsea Rochman
- Mita Dasog
- Suruchi Bhadwal
- Corinne Schuster-Wallace
- Nandita Basu

By - ElsaMarie Dsilva and Supreet K Singh
in partnership with Dr Irena Creed

Abstract of the Story of Dr Nupur Bahadur [10 Indian Water Sheroes]

Born in Bareilly, Nupur and her three siblings were taught the importance of education and extracurricular activities from childhood. From giving tuition to playing in National Games and winning College Cup in debates, she worked hard and honed her skills. Her mother instilled the value of finding a balance between following your dreams and taking care of the family.

Nupur was always clear about her choices in life and knew that academics was her end goal. She faced a lot of struggles but diligently followed her dreams and travelled a long way from the government college in Kota to IIT Roorkee. The path was clear but the journey was not easy. When she got selected for a PhD at the University of Roorkee, she had five days to submit her MSc Final year marksheet, which hadn't been released yet. She convinced her father and went all the way to Ajmer University to speak to the Registrar. After much deliberation over the unprecedented protocol, she returned with a sealed envelope containing her marksheet, with a day left to the deadline, she barely managed to hand over the envelope to the Registrar and finally got admission to UoR, which became IIT Roorkee in next few months and this reiterated her belief that 'fortune favours the brave'.

After getting married, she was advised to switch to teaching, which she did. But Nupur eventually realised that undergrad teaching never excited her. She chose to do post-Doctoral research in India from the Council Of Scientific And Industrial Research–National Physical Laboratory and later became an Associate Professor at a university. However, the urge for a bigger purpose in life was only met when Namami Gange Mission was launched, inspiring her to make her contribution to nation-building.

From here, she ventured into advanced research and technology development and prepared herself for a transformative journey from a chemist to a nanotechnologist to a water technologist and worked hard to develop innovative solutions and invented TERI Advanced Oxidation Technology (TADOX[®]) for wastewater treatment. This technology is the outcome of the science she developed during her PhD. It led to the installation of her first 20 kilolitres per day wastewater treatment plant, right across the Ganges. Once again, she proved that if you are working on anything you are passionate about, then you need not be pushed; your vision pulls you.

Being a mother of two teenagers, she always believed that mothers should not live in guilt, instead develop skills, train children well, prioritise and work happily. She has a few patents, registered trademarks, high-impact publications and some prestigious awards and recognitions to her credit.

A passionate scientist and nationalist, Nupur strongly believes that what matters in life are our thoughts and deeds and with honest intention and hard work, we can shape our destiny.

23rd Nov 2022

FICCI Water Award, 1st Prize in the 'Innovation in Water Technology'



2021

TERI Roll of Honor



20th Dec 2020

STE Meritorious Award

Award given by the Save The Environment (STE)-Society for Research, Awareness and Social Development, Kolkata, West Bengal for Excellence in Research & Academics.



30th Oct 2019

Aqua Foundation's Excellence Award

By Aqua Foundation during The 13th World Aqua Congress held in association with Ministry of Jal Shakti, Govt. of India for the Individual Award Category of Excellence in Development of TADOX Technology.



22nd Oct 2019

STE Water Award-Technological Innovation in Wastewater Treatment

By Save The Environment (STE)-A Society for Research, Awareness and Social Development, Kolkata, West Bengal for Technological Innovation in Wastewater Treatment



2018

Outstanding Woman in Science VIWA-2018

Given by the **Venus International Foundation**, Chennai to recognize the 'Best-Brightest-Inspirational-Talented Woman' who demonstrated excellence in their discipline.



8th Dec 2015

'Design & Manufacturing Technologies for 'Make in India'; 1st Prize IISF-2015

By the Ministry of Science & Technology, Govt. of India; 1st Prize at National Level competition in the above category in the Young Scientists Conference held during India International Science Festival (IISF-2015) in IIT Delhi

