

NITK Surathkal: Dr. Shashi Bhushan Arya Receives Prestigious Shri S.K. Seshadri Memorial Mascot National Award–2026

Recognised for distinguished contributions to industrial corrosion science, pipeline corrosion, corrosion prevention and sustainable surface engineering



Dr. Shashi Bhushan Arya, Associate Professor, Department of Metallurgical and Materials Engineering, National Institute of Technology Karnataka (NITK), Surathkal, has been conferred the prestigious **Shri S.K. Seshadri Memorial Mascot National Award–2026** for his distinguished contributions to **industrial corrosion science, corrosion prevention, corrosion monitoring, pipeline integrity and sustainable surface engineering technologies**.

The award was presented during the **33rd National Symposium on Electrochemical Science and Technology (NSEST–2026)** held at the **JRD Tata Auditorium, Indian Institute of Science (IISc), Bengaluru, 28-29 August 2026**. Dr. Arya received the award from **Dr. Shubha V. Iyengar, Padma Shri Awardee and Former Distinguished Scientist, CSIR–National Aerospace Laboratories (CSIR-NAL), Bengaluru**, who was the Chief Guest of the function.

The award carries a **cash prize of ₹25,000**, along with a **traditional felicitation at the conference**. The recognition acknowledges Dr. Arya's sustained research contributions toward understanding and controlling corrosion in critical industrial infrastructure, particularly petroleum pipelines, as well as his work in corrosion monitoring, protective coatings and surface engineering.

As part of the award programme, Dr. Arya delivered the **Shri S.K. Seshadri Memorial Mascot National Award Lecture** titled **“Flow-Driven Internal Corrosion of Petroleum Pipelines: Mechanisms, Monitoring, and Mitigation.”** The lecture focused on the complex interaction between fluid flow and corrosion processes inside petroleum pipelines and highlighted approaches for corrosion monitoring, mitigation and improving the reliability and service life of pipeline infrastructure.

The **Electrochemical Society of India (ECSI)**, which conferred the award, is one of India's premier professional organisations dedicated to advancing electrochemical science and technology. Established in **1963 at the Indian Institute of Science, Bengaluru**, ECSI has played a significant role in promoting research, education and technological development in electrochemistry and allied disciplines.

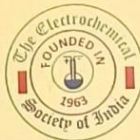
Dr. Arya's research philosophy is captured in his distinctive motto, **“Building TRUST against RUST.”** Through this vision, he emphasises that corrosion control is not merely a materials challenge but is fundamental to **safety, reliability, sustainability, economic efficiency and infrastructure integrity**. His continuing research journey is further symbolised by the phrase **“Jung Se Jung Jari Hai” — the battle continues**, reflecting the persistent scientific and technological challenge posed by corrosion and the need for continuous innovation in corrosion prevention.

The award is also a recognition of the research strength of **NITK Surathkal** in corrosion science, materials engineering and sustainable technologies. Dr. Arya expressed his gratitude to ECSI, the award committee, NITK Surathkal, colleagues, collaborators, research scholars, students and mentors for their support and encouragement.





THE ELECTROCHEMICAL SOCIETY OF INDIA
Indian Institute of Science Campus, Bengaluru – 560012.



**NATIONAL SYMPOSIUM ON
ELECTROCHEMICAL SCIENCE & TECHNOLOGY
(NSET - 2026)**

28 - 29 August 2026

J. N. Tata Auditorium, Indian Institute of Science, Bengaluru

**SHRI. S. K. SESHADRI MEMORIAL
MASCOT NATIONAL AWARD – 2026**

Presented to



Dr. SHASHI BHUSHAN ARYA

Associate Professor

Department of Metallurgical and Materials Engineering,
National Institute of Technology Karnataka, Surathkal

Dr. M.S. Santosh
President, ECSI

Dr. Kshama Shetty
Gen. Secretary, ECSI



THE ELECTROCHEMICAL SOCIETY OF INDIA

Indian Institute of Science, Bengaluru, NSEST-2026

SHRI S. K. SESHADRI MEMORIAL MASCOT NATIONAL AWARD – 2026

Presented to

DR. SHASHI BHUSHAN ARYA

Associate Professor, National Institute of Technology Karnataka, Surathkal

AWARD CITATION

Dr. Shashi Bhushan Arya is being honored for his distinguished and sustained contributions to corrosion science and engineering, with particular emphasis on metallic passivation, electrochemical corrosion studies, corrosion-resistant coatings and materials protection.

His scholarly work reflects the interdisciplinary character of modern corrosion science, bringing together electrochemistry, materials engineering, surface modification and advanced characterization to understand degradation mechanisms and develop strategies for improving the durability and service life of engineering materials. His contributions encompass corrosion behaviour of metallic systems, protective coatings, surface-engineered materials and technologically important corrosion environments.

A significant strength of his work is the close connection between fundamental electrochemical understanding and practical materials-protection challenges. Investigations of passivation, coating performance, corrosion mechanisms and degradation behaviour provide valuable insights for the prevention and control of corrosion in demanding engineering applications. Such work is particularly important for sectors in which premature materials failure can have significant economic, safety and environmental consequences.

His sustained engagement in research, postgraduate education and professional activities has contributed to the development of corrosion science and to the training of researchers in electrochemical approaches to materials degradation and protection. His work demonstrates scientific depth, practical relevance and continuing commitment to corrosion engineering that are central to the spirit of this national recognition.

In recognition of his distinguished contributions to corrosion science and engineering, corrosion prevention, metallic passivation and materials protection, and for advancing electrochemical approaches towards practical solutions for industrial corrosion challenges, the Electrochemical Society of India is pleased to confer upon Dr. Shashi Bhushan Arya the Shri S. K. Seshadri Memorial Mascot National Award – 2026.

28–29 August 2026, J. N. Tata Auditorium, Indian Institute of Science, Bengaluru

(Dr. M. S. Santosh)

Hon. President, ECSI

(Dr. Kshama Shetty S)

Hon. General Secretary, ECSI