



November 2025 | ₹ 75

Science Reporter

A CSIR Publication

CLouDBURSTS IN INDIA

A Multi-Faceted Crisis

Features

- ▶ In Conversation With Padma Shri Prof. Asis Datta
- ▶ Organoids and Organ-on-a-Chip Technology
- ▶ Sand Dunes
- ▶ Insects: Friends or Foes
- ▶ Q&A, Photofeature, Fiction & much more



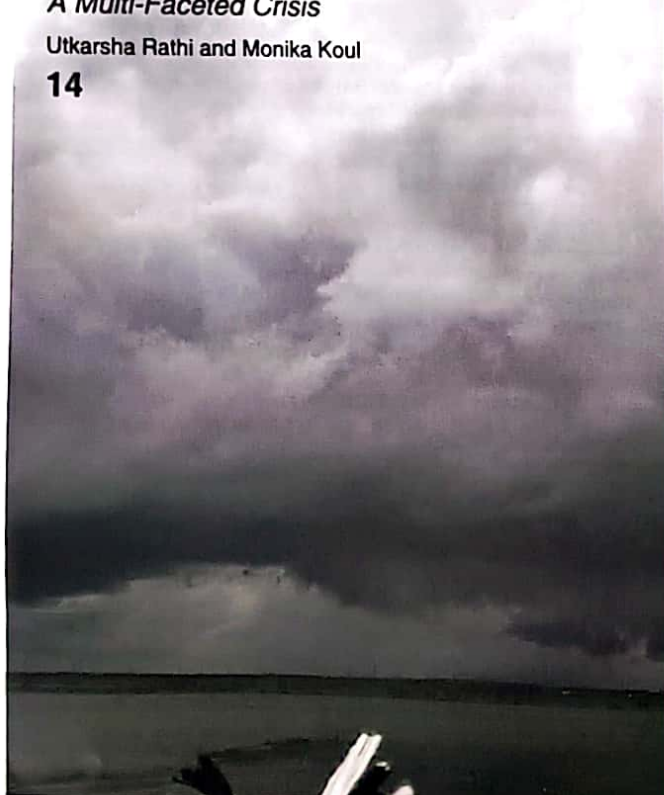
CONTENTS

COVER STORY

Cloudbursts in India A Multi-Faceted Crisis

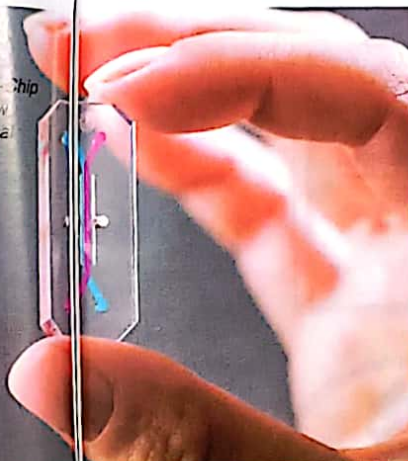
Utkarsha Rathi and Monika Koul

14



Advances in Tissue Engineering Organoids and Organ-on-a-Chip Technology: A New Window for Biological and Biomedical Research

AD Diwan, SN Harke &
 AN Panche
 27



Maglev for Mangoes How Science is making Magic Everyday

Pragya Sahu
 30

EDITORIAL

**Strengthening Scientific Foundations
 Cabinet's Nod to DSIR's Capacity Building Scheme**
 Sonali Nagar 9

ARTICLES

**Conserving the Coastal Sand Dunes of Rameshwaram
 Preserving Nature's Fragile Fortresses**
 Vaihianathan Kannan 36



The Wing that Carried a Name
 Samrat Sarkar 39

Insects: Friends or Foes
 Omkar 42

Neuromorphic Computing: A Brain-Inspired Leap for Smart Agriculture
 Monendra Grover 47

INTERVIEW

In Conversation with Padma Shri Prof. Asis Datta
 Abira Chaudhuri and Koushik Halder 22

REPORT

MoEFCC organises National Evaluation Workshop to Spotlight EIACP Scheme and Centre Achievements
 Abhijitha CS, Saima Shamoo and G Areendran 50

SCIENCE FICTION

The Library of the Future
 Debasis Karmakar 52

Spectrum	10
CSIR Tech that Touches Lives	33
Indian S&T Breakthroughs	34
Photofeature	54
Nature's Marvels	56
What's New	58
Test Your Knowledge	60
Puzzle Corner	62