

CONTENTS

APPRAISAL.....	08
■ Sunita Narain: On trends shaping a new green world	
PERSPECTIVES	18
■ Rukmini S: On India's demographic dividend	
■ Bhargavi Rao: On state of rainfed agriculture	
■ Neelam Ahluwalia & Ghazala Shahabuddin: On Aravallis	
■ Gautam I. Menon: On the next pandemic	
■ PK Malik & Raghavendra Bhatia: On methane emissions from livestock	
■ Anumita Roychowdhury: On zero pollution vision	
CHAPTER 1: IN FOCUS- FLOODS.....	50
■ Floods, flood plains and environmental myths	
■ More floods in India	
■ Himalayan floods in a changing climate	
■ Climate signal behind rising floods	
■ North Bengal's climate debt	
CHAPTER 2: HEALTH	70
■ India's nutrition divide	
■ India's invisible epidemic	
■ The cancer crisis	
■ ICDS: The cradle	
■ Inducing addiction	
■ The Pandemic Treaty	
■ The future of AMR action	
■ Global South and AMR	
CHAPTER 3: IN FOCUS- AI	112
■ Rise of Artificial Intelligence	
■ AI-enabled system prevents elephant-train collisions	
CHAPTER 4 : AGRICULTURE & FOOD SYSTEM	124
■ Pradhan Mantri Fasal Bima Yojana: An assessment	
■ Going native in smallholder poultry	
■ Agrometeorological advisory: A critical service	
CHAPTER 5: WATER & SANITATION	170
■ Shallow aquifers: A high value target	
■ Rethinking water	
■ From waste to resource	
■ Desludging: Faecal sludge treatment	
■ Sludge drying: A technological imperative	
CHAPTER 6: IN FOCUS- PLANETARY BOUNDARY	206
■ What are planetary boundaries	
■ Planet's safe space breached	
CHAPTER 7: CLIMATE CHANGE	216
■ State of the melting planet	
■ Coral crisis	
■ India's climate apocalypse	
■ 2025: Year of extremes	

- Community for climate action
- Shift to climate-based insurance
- Climate inequality

CHAPTER 8: BIODIVERSITY 262

- Forests: Not healthy green
- Seed savers
- Edible plants of wetlands
- Change in tiger's traits
- Spread like wildfire
- Extinction Tracker
- Managing invasive species
- Tiger, cattle and lantana
- Draft Seed Bill 2025: Advantage corporate

CHAPTER 9: IN FOCUS- DEPOPULATION 302

- Demographic turn
- Depopulation will hamper advancement of knowledge

CHAPTER 10: WASTE & PLASTICS 310

- World plastic treaty
- Alternatives to plastics
- Analysis of plastic extended producer responsibility
- Plastics pollution, rivers and oceans
- Cost of managing plastic waste in India
- Marine litter: Threats to the Blue Economy
- Solid waste management crisis in Northeast India
- Why biomedical waste still challenges India's waste system
- Waste management: Managing behaviour
- India's growing reliance on waste-to-energy

CHAPTER 11: HEAT & HABITAT 382

- Crowd management and heat exposure
- Cool caps over hot roofs
- No time to cool
- A materialistic shift
- New rules for construction and demolition waste
- Framework to keep cool

CHAPTER 12: IN FOCUS- YOUTH 412

- Gen Angry
- Opinion poll: Eco-anxiety

CHAPTER 13: ENERGY 422

- Transmission troubles
- Rise of the hybrids
- Biofuel's tricky trajectory
- Untapped biogas potential
- New-clear future
- Clean up coal, and fast

CHAPTER 14: AIR POLLUTION 462

- National Clean Air Programme: Realignment needed
- India's air coverage gap
- Kerala's mobility leap
- India's battery reckoning
- Delhi's EV Policy 2.0: Fix the finance gap

CHAPTER 15: IN COURT 508