

SUSTAINABLE E-WASTE MANAGEMENT

PRINCIPLES AND PRACTICES



Editors

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Sustainable E-Waste Management: Principles and Practices

Editors

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TABLE OF CONTENT

<i>Preface</i>	<i>iii</i>
CHAPTER 1	1
Successful E-Waste Management Projects in India: Case Studies <i>Dr. S. Fatima Zahara Jafri & Dr. Syed Irfan Haider Jafri</i>	
CHAPTER 2	27
Best Practices for Sustainable E-waste Management in a Globalized World <i>Dr. Syed Mohsin Raza</i>	
CHAPTER 3	36
E-waste Recycling Processes; Impact on Human Health and the Environment: Challenges and Solutions <i>Dr. Syed Nuzhat Husain & Dr Waheed Alam</i>	
CHAPTER 4	49
An Overview of E-Waste Recycling Technologies: Difficulties and Prospects <i>Dr. Prabodh Kumar Garg</i>	
CHAPTER 5	59
Can AI and IoT Rescue India from its Own E-Waste Crisis or Will We Just Have Smarter Trash? <i>Dr. Tulika Singh</i>	
CHAPTER 6	75
Socio - Economic Impact of the E-Waste In Third World Countries <i>Dr. Chhatra Pal & Dr. Pulkit</i>	
CHAPTER 7	86
Indian Laws and Judicial Perspectives on the Management of E-Waste <i>Mr. Kamaljeet Mani Mishra & Dr. Vinay Kumar Tiwari</i>	
CHAPTER 8	98
E-Waste Management Strategies: Mitigating Health Hazards Posed by E-Waste Chemicals <i>Mr. Abdussalam & Dr. Nazia Iqbal</i>	

CHAPTER 9	113
Empowerment: The Bright Outlook on E-Waste Management	
	<i>Dr. Nooreen Zaidi</i>
CHAPTER 10	123
Management of E-Waste In Developed And Developing Countries	
	<i>Dr. Dharmendra Kumar</i>
CHAPTER 11	132
The Hidden Danger and e-waste impact of health and environment	
	<i>Dr. Manzoor Khan & Ms. Huma Ausaf</i>
CHAPTER 12	145
Environmental Impact Analysis and Ecological Benefits of Sustainable E waste Management	
	<i>Dr. Ajai Veer</i>
CHAPTER 13	157
Towards a Circular Economy: Regulatory Challenges in E-Waste Governance in India	
	<i>Dr. Wasim Ahmad, Dr. Gaurav Gupta & Mr. Mohd. Tahir Husain</i>
CHAPTER 14	178
The Indian Judiciary as a Catalyst for Sustainable E-Waste Solutions	
	<i>Mr. Ashraf Azmi & Dr. Yashfeen Ali</i>
CHAPTER 15	189
Role of Indian Judiciary and Pollution Control Boards in Waste Management	
	<i>Mr. Qaseem Haider Naqvi</i>
CHAPTER 16	200
Insights of Green Electronics and Sustainable Design – Legal Framework to promote Green Electronics	
	<i>Mr. Mohd Ubais Ansari</i>
CHAPTER 17	214
Right to Repair and E-Waste: A Legal Analysis	
	<i>Mr. Faiz Osmani</i>
CHAPTER 18	229
E-Waste Management System: An Approach and Assessment	
	<i>Mr. Aqeel Ahmad Khan & Dr. Uzma</i>

CHAPTER 13

Towards a Circular Economy: Regulatory Challenges in E-Waste Governance in India

Dr. Wasim Ahmad Dr. Gaurav Gupta** & Mohd. Tahir
Husain****

ABSTRACT

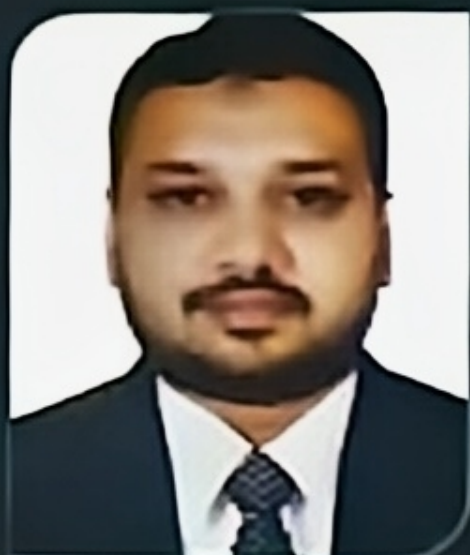
The exponential growth of electronic waste (e-waste) presents one of the most pressing environmental and legal challenges of the 21st century. This chapter explores the complex legal landscape governing sustainable e-waste management through a dual lens: international frameworks, particularly the Basel Convention and European Union directives, and the evolving domestic regime in India. It analyzes the efficacy of current regulations in addressing the environmental, health, and socio-economic implications of e-waste, while also highlighting the gaps between legislative intent and implementation. Emphasis is placed on the principles of Extended Producer Responsibility (EPR), circular economy, and sustainable development as key drivers for regulatory reform. Furthermore, the chapter critically evaluates India's E-Waste (Management) Rules, 2022, examining their alignment with global best practices and their capacity to operationalize sustainable waste governance. By integrating doctrinal analysis with policy insights, this study contributes to the discourse on harmonizing environmental protection with technological progress, and offers forward-looking recommendations for a robust and enforceable e-waste management regime.

Keywords: Environment, Electronic Waste, Extended Producer Responsibility, Healthy Life, E-Waste Management.

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