

EMERGING TRENDS OF SUSTAINABLE SOCIETY:

Present Perspective & Future Prospects



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Published by

The Lawgical Junction and MJS Publishing House

[Printed in India]

Email: mjspublishinghouse@gmail.com

Mobile: +91-9889657595, 7844930987

Place: Lucknow.

Year: 2024

ISBN No. 978-81—966599-8-1.

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PREFACE

The importance of sustainable society and implementation of effective measures for sustainable living is the need of the hour. To understand the emerging trends in sustainable society, including social, economic, environmental and technological aspects and in order to address the challenges faced by various sectors in the implementation of a sustainable society. This book titled ***“Emerging Trends of Sustainable Society: Present Perspectives & Future Prospects”*** tries to cover the entire notion by incorporating chapters contributed by different prominent academicians, research scholars, advocates, policy analyst and law students etc.

This book encompasses a wide range of readings related to the sustainable society like Designing the Notion of Sustainable Society in a Globalized Scenario, IPR: Enabler to Sustainable Society, Convergence of Jus Ad Bellum and Jus in Bello for Promoting Sustainable Society, Green Economy, Food Security, Waste Management, Culture and Environment Conservation, Climate Change etc.

The aim of this book is to make aware general public; and to inspire policy makers, academicians, enviro-legal lawyers and the law students to take action and promote the making of sustainable society.

We are thankful to Mrs. Sadhna Agarwal (Director, MVD Law College), Mr. Ajay Raj Agarwal (Chief Trustee), Mr. Abhay Raj Agarwal (Trustee), Mr. Satyendra Shukla (Chairman), Mr. Anil Kumar Dwivedi (Vice- President) Mr. Rajesh Kumar Singh (Member) and the entire, MVD Law College team for their

valuable support and encouraging us to come up with this beautiful piece of work.

We also extend our sincere thanks to Dr. Mirza Juned Beg and the entire MJS Publishing House team for providing unconditional support and helping us throughout the journey right from the compilation, editing and publication of this book.

Dedicated to Late. Dr. Vijay Agrawal
(Founder, MVD Law College (Affiliated to University
of Lucknow), Lucknow, U.P.)

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CHAPTER-10

Safe Handling of Nanoparticles in a Globalized Scenario: Rule of Sustainability and Environmental Ethics

- Dr Nazia Iqbal¹

Introduction

"There must be a better way to make the things we want, a way that doesn't spoil the sky, or the rain or the land."

-Paul McCartney²

The safe handling of nanoparticles is crucial due to their unique properties and potential health hazards. Different types of nanoparticles have different properties, and some may be more hazardous than others. Understand the specific properties of the nanoparticles you are working with to determine the appropriate safety measures. Wear appropriate PPE, such as gloves, lab coats, and respirators, to protect yourself from exposure to nanoparticles. Nanoparticles can easily become airborne, so work in a well-ventilated area with a HEPA filter to prevent their spread. Use appropriate containment equipment, such as fume hoods or glove boxes, to prevent nanoparticles from escaping into the environment. Clearly label all containers with the name of the nanoparticle and any relevant safety information. Store nanoparticles in a secure location away from other materials and out of reach of unauthorized personnel. Dispose of nanoparticles properly according to local and national guidelines to prevent environmental contamination.

Ensure that all personnel working with nanoparticles receive proper training on safe handling procedures to prevent accidents and minimize exposure. Regularly assess the safety risks

¹ Lecturer, Applied Chemistry Polytechnic, Integral University.

² The English Singer, Song-writer Musician and Environmental Activist.