



# *Sustainable Solution for Green Environment*

(Volume I)

Dr. Jyoti Rajput  
Dr. Pallavi Dixit  
Dr. S. Ravichandran



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# **SUSTAINABLE SOLUTION FOR GREEN ENVIRONMENT**

**(Volume I)**

## **Editors**

**Dr. Jyoti Rajput**

Associate Professor,  
Department of Physics,  
Lovely Professional University,  
Punjab, India.

**Dr. Pallavi Dixit**

Associate Professor,  
Department of Botany,  
Mahila Vidyalaya Degree College,  
Lucknow.

**Dr. S. Ravichandran**

Professor,  
Department of Chemistry,  
Lovely Professional University,  
Jalandhar, Punjab, India.

**Kripa-Drishti Publications, Pune.**

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Edited By: **Dr. Jyoti Rajput, Dr. Pallavi Dixit  
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Web: <https://www.kdpublications.in>

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## **PREFACE**

In today's society, the significance of sustainability cannot be overstated. This book on "Sustainable Solutions for Green Environment" emerges as a compass pointing us in the direction of peaceful coexistence with our planet in an era defined by environmental challenges. Sustainable practices are essential now more than ever as we face the effects of unrestrained resource consumption and climate change. Energy is a part of science in which materials and Technology plays an important role to meet the needs of the future environment. The increasing ecological problems such as energy storage, generation and conservation are the major drivers of Science and Technology. There is a need of developing sustainable energy production and consumption to achieve the socio-economic and environmental targets. The major significance of Energy sources helps in strengthening the research towards sustainable development and relevant applications. The world emphasis on energy conservation to meet the increasing energy demand of the country.

This book provides a wide range of applications that covers the current innovations and novel approaches for the conservation of energy to meet global desires. With the impacts of environmental degradation and climate change becoming evident, it has become an imperative to take decisive action towards a more environmentally friendly future. By consciously making choices and adopting sustainable practices, we can ensure a brighter tomorrow for ourselves and future generations. Sustainability not only enhances our quality of life but also safeguards our ecosystems and preserves natural resources for the well-being of future generations. In the corporate world, sustainability is linked to an organization's comprehensive approach that spans from manufacturing to logistics to customer service. Embracing green and sustainable practices not only benefits the company but also yields long-term environmental advantages. Hence, it is crucial to utilize our environment and its resources responsibly and protect them for the greater good of the Earth, our environment, humanity, and all living beings. The primary objective of publishing this book, centered on environmental protection and sustainable development. Moreover, it seeks to unveil novel research perspectives concerning environmental protection. We wish to express my deep appreciation to all the authors who have enriched the significance of this book with their illuminating research articles. We believe that this book shall undoubtedly contribute to the advancement and preservation of the environment. We would also like to thank the publisher for bringing out the book in a nice form.

This book offers a thorough examination of tactics to promote a green and sustainable environment, taking readers on a trip through creative and useful solutions. Utilizing an abundance of empirical studies and practical illustrations, its goal is to stimulate transformation on a personal and societal level. We hope this book will inspire thought, provoke conversation and bring about change. Preserving the earth for better future generations requires our combined commitment to sustainable solutions. Let this book be a guide, a source of inspiration and a call to action for building a more resilient green world.

We assure that, this book will provide a valuable platform to Academicians, Researchers, Industrialists, Scholars and students to enlighten their knowledge with all around the multiple of diverse fields.

**Dr. Jyoti Rajput**  
**Dr. Pallavi Dixit**  
**Dr. S. Ravichandran**

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## ABOUT THE AUTHORS



**Jyoti Rajput** received her Ph.D. degree from NIT Jalandhar, Punjab, India in 2019. She is currently an Associate professor of Physics at Lovely Professional University, Punjab, India. Her research focused areas deal with laser induced electron acceleration in vacuum and plasma (DLA, LBWA, PBWA), harmonic generation and THz radiation. She has published around 35 research articles in various international SCI journals and presented her research work at various international conferences/workshops. She is also a member of different renowned associations/societies e.g., PSSSI, ISCA etc. She has been an active

reviewer of esteemed international journals like Modern Physics Letters B., waves in random and complex media, Optics Communications, IEEE Trans. in Plasma Science etc. She has delivered many international invited speakers research talks at eminent conferences. At present, she has accomplished one PhD supervision and is supervising around 5 PhD research scholars.



**Dr. Pallavi Dixit** is well renowned in the field of Science and Literature. She is working as Associate Professor in the Department of Botany at Mahila Vidyalaya Degree College, Lucknow. She has authored 03 books and edited 06 books, 01 is under publication, Published 04 Book Chapters more than 80 articles and 17 Research Papers in various journals of National and International repute. She has also presented more than 32 research papers in various National and International Seminar/Conferences, received many prestigious awards and honours in the field of Science and Literature.



**Dr. S. Ravichandran** is currently working as Professor in the Department of Chemistry at Lovely Professional University, Jalandhar, Punjab (INDIA). He completed his Ph.D. in 2006 from Madurai Kamaraj University, Madurai (Tamilnadu) and M.Sc. from Pondicherry University, Pondicherry. He has qualified in GATE with a score of 95 percentile conducted by Ministry of Human Research and Development in the year 1998. He has 17 years of Teaching and Research experiences and published 160 International papers. He has published 9 patents and 7 Textbooks and 20 book chapters. He has guided two Ph.D. scholars.

He has received Bharat Shiksha Ratna award and Lifetime achievement award from Global society in 2012, 2013 from New Delhi. He has also received the award of Academic Excellence by Arab Translators Association, Bahrain on 24th November 2021 in recognition of research publications achievement. Received the Life Time Achievement award with medal from Blue Bird Welfare Association, Prayagraj in a National Conference on Recent Trends in Science, Technology and Management conducted by Madhu Vachaspati Institute of Engineering and Technology, Kaushambi (UP) on 13th February 2022. Received the Life Time Achievement Award with medal from Sansnow's Nobel Professional Foundation, Kanyakumari, (Tamilnadu) approved by Ministry of Corporate Affairs, Government of India on 4th June 2022. Very recently he has received the Incredible Researcher of India Award with medal from Record Owner, Government of India, Ahmedabad on 30th August 2022. He has delivered many international invited speakers research talks at eminent conferences. He has been serving as Editor-in Chief in many International journals. His current interest is to focus on the development of novel greener methodology for a Sustainable Development.



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