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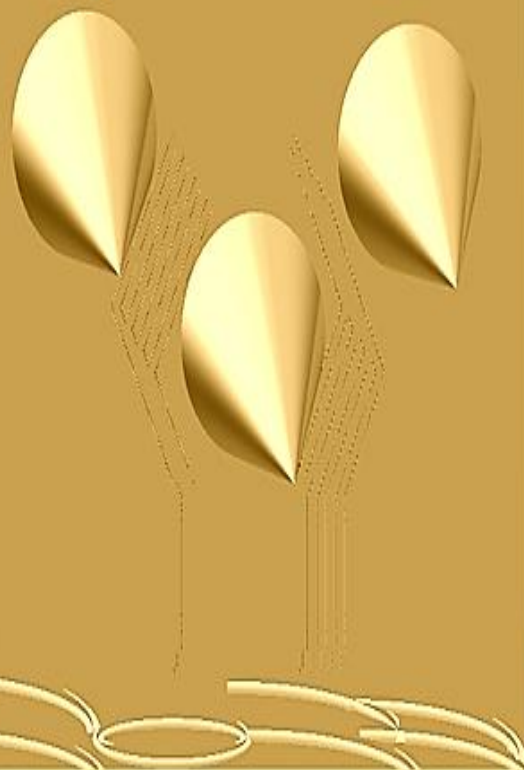
JEETHP

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Preface

A new volume of journal research book series entitled Emerging Environmental Technologies and Health Protection (JEETHP) has been realized, which is a challenge for research dissemination; research and development for stakeholders; graduates; investors; social planners; vocational education, training and all the while keeping in mind not to do any injustice to the zeal of a contributor who has worked so hard to pen the text. However, “Emerging Environmental Technologies and Health Protection” last decades old philosophy has been attracting not only due to the circumstances of post COVID-19 pandemic era but also for integrated environmental public health protection the attention of scientists worldwide. Academicians as well as industrialists are equally interested in this new stream of environmental - chemical science; innovative biotechnologies for health protection; sustainable designs; information communication technologies (ICTs); smart engineering projects; efficient e-learning - training tools; social health policy – social cohesion – media; efficient operation of veterinary units; sustainable tourism; health soil – environmental resources; effective community health units; infant units; forest – ecological infrastructures protection; sustainable designs; efficient construction designs for all; fluid mechanics for the semantics and building capacities between different scientific disciplines in engineering, biotechnology, materials and social sciences for health protection and sustainable development.

Researchers, all over the world, are conducting active research in different fields of engineering, social science and technology by adopting innovative principles and methodologies to devise new processes with a view towards helping, protecting, and ultimately saving the environment of our planet from further anthropogenic interruptions and damage. Achieving sustainability of resources is the basic spirit of innovative sustainable projects; it inspires us to try alternative “green” sustainable approaches in place of traditional “gray” practices in everyday industrial and scientific activities. Waste management, food protection, innovative materials, efficient information technologies and sustainable design avoiding associated hazards and risks is a matter of great concern. It’s quality important for both domestic purposes and industrial needs. Emerging environmental technologies are coming a necessity within clean technologies; waste management; sustainable designs; green chemistry; food productivity; food protection; public health; safety design; innovative materials; landfill emissions' exploitation; social sciences; architectural landscape upgrade; ICTs; IoTs; e-learning; green web utilities; reading materials and educational utilities for vocational training; smart technologies; green cities; sustainable health tourism; sustainable tourism; sports for emotional and physical activities; safe construction designs; environmental health monitoring. They are therefore an important task. But, selecting technology dyes at a cost to the environment that should be avoided when considering which technique to use.

Hence, the far important challenge is to make an applied technique sufficiently sustainable and green within a circular economy. Environmental resources pollution is often discussed with respect to various pollutants and their treatments, but the issue of emerging technologies that support health protection and sustainability has not been discussed sufficiently in the literature. Hence, the emerging environmental technologies and environmental health protection has tremendous scope worldwide. That is why emerging

environmental technologies and health protection is an important issue which needs to be addressed seriously.

The chapters in the current research transactions volume, journal research series are the outcome of the scholarly writing of researchers of international repute with stellar credentials, who have tried to present an overview of current solutions to particular environmental problems that promote sustainability from different scientific fields. The main aim is to protect human health and environmental resources building capacities that support a sustainable development taken place proper designs and applied environmental technologies, all of which are “green.”

The current periodical book volume contains four articles as they are described in contents as well as online. They focus on the theme of green technologies, efficient designs that are sustainable and discuss techniques, tools and materials which promote sustainability, eco-friendly solutions, sustainable tourism protecting public health and social progress from different scientific disciplines.

Furthermore, this JEETHP’s volume of periodical research series can be used as an important platform to inspire researchers and stakeholders in any related fields in order to develop sustainable processes for important techniques for use in associated fields of green projects; sustainable designs; sustainable tourism facilities; sustainability; food productivity; food protection; waste management; biotechnology; materials; safety design; monitoring; public health protection; ecological health; community health; geohealth; sustainable circular economies and associated information communication technologies. We gratefully acknowledge all the contributors of this journal volume issue, without whom these valuable articles could not have been completed. We express our highest gratitude and thankfulness to all of them.

The Editors of current volume

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December 2022

Acknowledgments

After the successful publication of last volume again completing a task like the publication of the current fifth volume, issue one, of relative journal articles, at JEETHP's sections in this task it takes time to rewind again your journey and relive it through memories, you remember people with encouraging faces that have motivated you to complete the task with untiring efforts to your full ability. Such smiling faces remove any pain of stress encouraging us to "Go ahead."

In the post COVID-19 pandemic era we have all to be careful following the right guidelines that are recommended by the Authorities and relative Public Health Organizations for the public health protection. However, we want to express our special thanks to all esteemed contributors of this book, who deserve special mention for contributing their writings, without which this book would not have been possible. We deeply acknowledge our families for their never-ending encouragement, moral support and blessings. We appreciate their patience over the course of this journal volume 5, issue 1. We are also thankful to many others whose names we have not been able to mention but whose association and support has not been less in any way.

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Prof. Dr. Mahendra Pal, Emeritus Professor, Ex-Professor of Veterinary Public Health (UNDP), Addis Ababa University, Ethiopia, is an internationally renowned scientist, and a well known distinguished academician with 601 publications and 8 books. Prof. Pal also worked as

Professor and Head, Department of Veterinary Public Health, Anand Agricultural University, India. He is associated as Editor and Member of many online journals. Prof. Pal guided over many students at DVM, MVSc, MSc, and Ph.D. level in India and Ethiopia. He is credited to develop Pal's medium, APRM medium, PHOL stain and Narayan stain for the study of fungi, which are implicated in the clinical disorders of humans and animals. Prof. Pal elucidated for the first time the role of *Cryptococcus neoformans* in the mastitis of goat and buffalo, *Fusarium solani* in corneal ulcer of buffalo, *Aspergillus fumigatus* in rhinitis of camel and mule, *Trichophyton verrucosum* in dermatitis of deer, and *Candida tropicalis* in human lung empyema.

He has established for the first time the prevalence of *Cryptococcus neoformans* in the environment of New Zealand, Nepal, and Djibouti. Prof. Pal has reported the first isolation of *Candida albicans* from mastitic milk, and *Trichophyton verrucosum* in dermatitis of camel in Ethiopia. Prof. Pal launched the Ph.D. programme for first time in Veterinary Public Health at Addis Ababa University, Ethiopia and also at College of Veterinary Science, Anand, Gujarat, India. His biography is published in World's Who and Who. Prof. Pal is recipient of many award including "Distinguished Teacher Award", "Jawaharlal Nehru Award", "International Achievement Award", and "Life Time Achievement Award". Prof. Pal delivered guest lectures in medical and veterinary colleges in India, New Zealand, Japan, and Ethiopia. He is the "First Indian Veterinarian" who worked as "JSPS Visiting Scientist" at University of Tokyo, Japan. Considering his immense contribution, Prof. Pal is known as "Father of Veterinary Mycology" in India. Very recently, he launched "Narayan Consultancy" on Veterinary Public Health and Microbiology to give free technical advice to scientists of poor resource countries of the world.

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