Preface

This volume of E3S Web of Conferences contains the invited lectures and general progress reports presented at the 2023 5th International Conference on Environmental Prevention and Pollution Control Technologies (EPPCT 2023). The Conference was held via virtual form in Chengdu, China from 21st–23rd April 2023. The motivation for the Workshop was the need for a detailed consideration of the research and development of environmental prevention and pollution control technologies.

The structure of the papers in this volume cover the following sections: Environmental Planning and Assessment, Hydrology and Water Resources Engineering, Water Resources and River Basin Management, Air Quality Monitoring and Management, Solid Waste Management, Landscape Degradation and Restoration, etc. We hope that this volume will be an important source of information about progress in environmental protection and will be useful, first of all, for students, but also for environmental scientists.

The Conference was attended by over 150 professionals from Malaysia, Pakistan, Algeria, Iran, China, and other countries. It featured four keynote speeches and many oral contributions, and still poster presentations. This setup allowed for a relaxed and unhurried discussion of results and facilitated productive networking.

In the Conference, we had four renowned professors as keynote speakers to deliver lectures and present their expertise insights for all the participants to learn from. Mohammed J K Bashir, Professor at Universiti Tunku Abdul Rahman, Jalan Universiti, Malaysia, shared with us his study Emerging Contaminants Determination and Treatment Technologies: Recent Advances. Various dangerous pollutants have been generated due to the world’s fast industrialization and economy, leading to significant negative impact on both human health and the environment. However, traditional water treatment facilities are not equipped to handle a large number of emerging contaminants. Understanding new contaminants’ critical health effects, their origins, and potential therapies is therefore necessary. All the keynote speeches were well received and triggered heated discussion.

We would like to thank the invited speakers for their participation at EPPCT 2023 and for their efforts writing contributions for this volume. We also express our gratitude to the members of the Program Committee for their efforts in preparing and making the Program. Special acknowledgement to the expert reviewers for their careful review of the conference contributions and enormous effort. Especially we would like to thank E3S Web of Conferences for support in publishing this paper volume. This successful Workshop will stimulate further development of the interdisciplinary research field of environmental protection.

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