

**Interdisciplinary Research in Life
Sciences: A Path Towards Sustainability
(Volume 2)**

Interdisciplinary Research in Life Sciences: A Path Towards Sustainability (Vol. 2)

Edited by: Jayvardhan V. Balkhande & Jalander Vaghmare

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Interdisciplinary Research in Life Sciences: A Path Towards Sustainability (Volume 2)

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Preface

Interdisciplinary research is becoming more and more popular as academics realize how important it is to tackle intricate and multidimensional issues that are difficult to classify. This entails cooperation and the synthesis of ideas from several fields. Interdisciplinary study has a lot of potential to improve our comprehension of the world, but it also has drawbacks and advantages.

In a time when the lines separating different fields of knowledge are becoming increasingly hazy, engaging in interdisciplinary study is not only a choice but also essential to expanding our knowledge of the world and enhancing humankind.

The current edition is constructed from the contributions of numerous authors on a range of important subjects pertaining to From Ocean to Womb: Tracing the Impact of Microplastics on Gestational Health, Taxonomy of Stone Loaches of The Genus *Mustura* Kottelat, 2018 (Teleostei: Nemacheilidae) From the Brahmaputra and Barak River Basins, Northeast India – A Mini Review, Digitization of Aquatic Sector Towards Fulfilment of Important Sustainable Development Goals of United Nations, The Impact of Microplastics in Food Chain, A Review of Heart's Mechanics Through the Lens of Physics: Integrating Fluid Dynamics into Cardiovascular Health, Quantum Magnetoreception, Biomechanical Locomotion and Acoustic Signaling: Interdisciplinary Insights from Animal Physics, Microbiota of Medicinal Plants: Implications in Health, Design Considerations for Sustainable Engineering Practices in Freshwater Fish Farms in Konkan Region, A Path towards Sustainability: Aquaculture in the Marathwada Region of Maharashtra, Dielectric Properties and Characteristics of Powdered Neem-Coated Urea (NCU) And Its Impact on Soil Health, Environmental Consequences of Climate Change: A Global Perspective, Fish Diseases in Aquaculture Due to Climate Change: Use Vaccination to Reduce Fish Diseases, The Convergence of Organ, Study of Ochratoxin and Ochratoxicosis, Butterfly (Order: Lepidoptera) Diversity of Forest Park, Yeldari, Hingoli Maharashtra, India, Avian Diversity of Kalwati Reservoir Near Ambajogai, Maharashtra, Medicinal Uses of *Catharanthus roseus* (L) from Apocynaceae Family, Climate Change and Its Impact on Ecosystems and Human Societies: A Global Crisis, Plant Pollinators: Pillars of Ecosystem Sustainability, Morphometric Analysis of Twenty *Hibiscus Rosa-Sinensis* L. Cultivars, Hydro Biological Characteristics of Godavari River at Luxettipet, Mancherla Dist. Telangana State, Freshwater Resources and Conservation, Classification of Ornamental *Hibiscus* based on Flower Pattern, Sustainability In Living Style, Morphological Variations in Creeping Bluestem Grass in India, Antimicrobial Resistance in Bacteria Isolated from House Flies (*Musca Domestica*) Collected from Animal House Settings and Hospitals and Use of Plastic in Aquaculture Development.

This volume started with plastic related chapter and also ended with plastic, so by considering the impact of plastic on human health and on environment, we have to reduce the plastic use by our day-to-day activity.

We want to sincerely thank the authors for their efforts in organizing the chapters in this volume and for bearing with us as we awaited the publication of their edited book.

Finally, we would like to thank our publisher, Dr. Chandrashekar Malba of Advent Publishing, Mumbai, for his amazing work in putting this volume out in such a great style.

Dr. Jayvardhan V Balkhande
Dr. Jalander Vaghmare

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