

**Prof.(Dr.) Dhrubajyoti Chattopadhyay**

Ph.D, FASc., FNASc., FAScT.

Vice-Chancellor

vc@snuniv.ac.in



A Satyam Roychowdhury initiative



## Foreword

The book, “*Harmonising Chemical and Biological Sciences for Sustainable Development*” presents an extraordinary collection of articles that explore the innovative and synergistic interplay between chemical and biological sciences, demonstrating how their integration is not only advancing research but also providing tangible solutions for a more sustainable world.

As we confront global challenges such as climate change, resource depletion, and pollution, it becomes clear that the solutions lie in the convergence of disciplines. Chemistry and biology, traditionally viewed as distinct fields, are now recognized as interconnected disciplines essential for driving sustainable development. This book serves as a testament to the power of interdisciplinary research and its ability to generate breakthrough solutions for everyday issues.

The articles compiled here cover a wide range of exciting topics, from the latest advancements in nano-photocatalysis for consumer products to the development of heterogeneous catalysts for sustainable CO<sub>2</sub> transformations. These contributions not only enrich our comprehension of chemical processes geared toward a greener and more sustainable future but also underscore the indispensable role of biological sciences in ensuring that such advancements are safe, efficacious, and in harmony with the natural world.

I sincerely hope that the perspectives presented in this volume will ignite curiosity and drive among researchers, policymakers, and students to further delve into the immense possibilities offered by this interdisciplinary pattern. As I strive to build a more sustainable world, the integration of chemical and biological sciences will undoubtedly be a critical force in achieving long-lasting and meaningful change.

**Prof Dhrubajyoti Chattopadhyay**

Vice Chancellor

Sister Nivedita University

DG 1/2, New Town, Action Area - I, Kolkata-700 156, West Bengal  
Ph: +91 33 66382047, 66382062, 18002588155(toll free) | Fax: +91 33 66382055  
Email: [info@snuniv.ac.in](mailto:info@snuniv.ac.in) | website: [www.snuniv.ac.in](http://www.snuniv.ac.in)