

Preface

The 2026 16th International Conference on Bioscience, Biochemistry, and Bioinformatics (ICBBB 2026) was successfully held in Kobe, Japan, from January 16 to 19, 2026. As an established international academic event, ICBBB provides a valuable platform for researchers, scientists, and industry professionals to exchange ideas, present innovative research, and discuss emerging trends in the fields of bioscience, biochemistry, and bioinformatics.

This proceedings volume includes 28 high-quality full papers presented at ICBBB 2026. All submissions underwent a rigorous peer-review process conducted by members of the Technical Program Committee and invited expert reviewers. Only papers demonstrating originality, technical soundness, and strong relevance to the conference themes were selected for inclusion. The accepted papers reflect the interdisciplinary and rapidly evolving nature of research in bioscience and bioinformatics.

For better organization and thematic clarity, the papers have been grouped into the following chapters:

1. Bioinformatics Algorithms and Advanced Omics Data Analysis
2. Computer-Aided Drug Design and Molecular Simulation
3. Nanobiotechnology and Natural Product Delivery Systems
4. Natural Products Pharmacology and Therapeutic Mechanisms
5. Agricultural and Environmental Microbiology
6. AI-Driven Biomedical Text Mining and Intelligent Disease Diagnosis

The editors would like to express their sincere gratitude to all authors for their valuable contributions and to the reviewers for their dedicated efforts and constructive feedback, which have ensured the high quality of this volume. We would also like to extend our appreciation to the members of the Organizing Committee and the Technical Program Committee for their commitment and support in making ICBBB 2026 a successful event.

We hope that this proceedings volume will serve not only as a record of the research presented at the conference, but also as a source of inspiration for future advancements in bioscience, biochemistry, and bioinformatics.

ICBBB 2026 Program Chair

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