Special Issue Title: Bridging Biology, Environment, And Artificial Intelligence For Understanding Human Diseases

This Special Issue aims to explore innovative, integrative approaches at the intersection of biology, environmental science, and artificial intelligence to advance our understanding of human diseases. We invite contributions that bridge molecular, cellular, and systemic biology with computational, AI-driven, and translational research.

We particularly welcome studies addressing diverse disease areas, including but not limited to: oral health (e.g., periodontitis), ocular disorders, reproductive health, metabolic and endocrine conditions, and other complex human diseases. Both experimental and clinical investigations, as well as review and perspective articles, are encouraged.

Key topics of interest include:

- Molecular, cellular, and environmental determinants of disease
- Biomarkers discovery, validation, and mechanistic studies
- AI and machine learning applications for diagnosis, prognosis, and therapeutic optimization
- Multimodal data integration combining clinical, imaging, and omics datasets
- Translational and preclinical studies linking biological findings to clinical outcomes
- Natural compounds, bioactive materials, and innovative therapeutic strategies
- Systems biology and network-based approaches to disease understanding

This Special Issue aimed to serve for the interdisciplinary dialogue, connecting environmental and biological insights with computational tools to address complex challenges in human health. It provides a platform for innovative research that not only elucidates disease mechanisms but also paves the way for AI-assisted diagnostics, predictive modeling, and novel therapeutic approaches across multiple disease domains.

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