

Special Issue

Innovative Approaches in In Vitro Skin Models: From Design to Application

Message from the Guest Editor

As you are aware, in vitro skin models have become invaluable tools in dermatological research, cosmetic testing and the study of skin diseases. These models offer significant potential for reducing reliance on animal testing, enhancing our understanding of skin physiology and accelerating the development of new therapeutic strategies. However, despite their widespread use, there remain challenges in replicating the complexity and diversity of human skin.

This Special Issue seeks to highlight innovative approaches that address these challenges, including, but not limited to, the following:

- Novel designs and fabrication techniques for in vitro skin models;

- Advanced materials and bioengineering approaches for skin model construction;

- Integration of multi-cellular components to better mimic skin physiology;

- Applications of in vitro skin models in drug testing, disease modeling and cosmetic evaluation;

- Challenges and future directions in the field of in vitro skin models.

We welcome original research articles, reviews, case studies and short communications that contribute to these themes.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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