

## Special Issue

# The Role of Natural Products in Skin Disease

### Message from the Guest Editor

Atopic dermatitis (AD) is induced by two hypothetical causes: from the inside out, or from the outside in. Allergy triggers lead to a weakened skin barrier, which facilitates the introduction and presentation of allergens. This suggests that inflammation is the culprit for an impaired skin barrier, leading to increased penetration of allergens and response-causing microorganisms, i.e., the inside-out hypothesis. In the other hypothesis, it is the skin barrier that is damaged prior to AD, and this is required for the development of immune dysregulation. Atopic dermatitis still does not have a very good, economical treatment with few side effects. Natural products are those chemical substances produced by living organisms in nature that usually have pharmacological or biological activity. Natural products have been found in the past to regulate allergy and anti-inflammatory effects. It is believed that many ingredients have the ability to modulate the intrinsic and extrinsic factors that cause atopic dermatitis. Through this Special Issue, more potential natural candidate ingredients can be discovered and published.

### Guest Editor

Prof. Dr. Chi-Feng Hung

School of Medicine, Fu-Jen Catholic University, New Taipei City  
242062, Taiwan

### Deadline for manuscript submissions

closed (30 June 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/128197](https://mdpi.com/si/128197)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

---

### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)