



*diagnostics*



an Open Access Journal by MDPI

## Artificial Intelligence Revolution in Chronic Inflammatory Diseases: Diagnosis, Prognosis, and Future Perspectives

Guest Editors:

**Dr. Francesco Borgia**

Department of Clinical and Experimental Medicine, Section of Dermatology, University of Messina, 98125 Messina, Italy

**Prof. Dr. Sebastiano Gangemi**

Department of Clinical and Experimental Medicine, School and Operative Unit of Allergy and Clinical Immunology, University of Messina, 98125 Messina, Italy

Deadline for manuscript submissions:

**31 August 2024**

### Message from the Guest Editors

Chronic inflammatory diseases represent a significant global health challenge, requiring innovative approaches to improve diagnosis, prognosis and personalized therapeutic strategies for each patient. In this context, artificial intelligence (AI) represents an important recent resource in reshaping our understanding and management of chronic inflammatory diseases, both cutaneous and systemic. The proposed collection of articles will delve into the latest advances in the applications of AI for an early and accurate diagnosis of these diseases in order to guarantee timely therapeutic interventions. AI-based prognostic models, which integrate multiple data sources, will be studied for their potential to predict disease progression, and personalize treatment plans. Furthermore, the goal of this Special Issue is to address the evolving landscape of AI in chronic inflammatory diseases, offering insights into the ethical considerations, challenges, and regulatory aspects associated with the implementation of AI technologies in clinical practice.



[mdpi.com/si/197110](https://mdpi.com/si/197110)

**Special Issue**



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Andreas Kjaer

Department of Clinical  
Physiology, Nuclear Medicine &  
PET National University Hospital,  
Rigshospitalet, University of  
Copenhagen, Blegdamsvej 9, DK-  
2100 Copenhagen, Denmark

## Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

## 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, Embase, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

## Contact Us

---

*Diagnostics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/diagnostics](http://mdpi.com/journal/diagnostics)  
[diagnostics@mdpi.com](mailto:diagnostics@mdpi.com)  
[X@diagnostic\\_mdpi](https://twitter.com/diagnostic_mdpi)