



Artificial Intelligence in the Detection and Classification of Skin Diseases and Skin Cancer

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Message from the Guest Editors

Artificial intelligence (AI) has started changing our perspectives in medical diagnostics since the introduction and development of convolutional neural networks, advanced machine learning, and deep learning approaches. Expert dermatologists have been used to diagnose diseases based on visual inspection, evaluating orphological parameters such as colors, shapes, and borders. In the last few years, there has been an enormous increase in the applications of AI in dermatology, for the detection and classification of skin cancer but also other skin diseases on all levels. Future challenges include the improvement of the diagnostic performance of AI systems for skin diseases, their standardization, the extension of the disease spectrum, and integration in daily clinical practice.

This Special Issue welcomes research papers, short communications, and reviews focusing on the latest advances in the use of AI approaches for the detection and severity grading of skin cancer, inflammatory skin diseases, and skin pathophysiology (skin aging, skin hydration) from the clinical, epidemiological, technical, and histopathological point of view.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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