Editorial

The current special issue of the Applied Medical Informatics journal comes out with 14 papers as extended abstracts of the posters presented during the EFMI-STC 2024 conference "Collaboration across disciplines for the health of people, animals, and ecosystems", 27-29 November 2024, Timişoara, Romania. This issue content has been peer-reviewed and edited by Medical Informatics scientists and researchers across the world. This event was organized by the Romanian Society of Medical Informatics, as a national member of the European Federation for Medical Informatics and hosted by University Politehnica Timişoara. West University Timişoara and "Victor Babeş" University of Medicine and Pharmacy Timişoara were co-organizers.

One Health is a concept that recognizes the interconnectedness of human, animal, and environmental health. It emphasizes that a holistic approach is essential to address health challenges effectively.

Digitalization, with its advancements in technology and data science, plays a crucial role in enhancing One Health efforts. By leveraging digital tools, we can collect, analyze, and share data across various sectors, leading to better insights and informed decision-making. Digital technologies facilitate real-time monitoring of diseases, early warning systems, and rapid response measures. They also enable the development of innovative solutions, such as telemedicine and remote sensing, to improve access to healthcare and environmental monitoring. However, the integration of digital technologies into One Health also presents challenges, including data privacy, cybersecurity, and the digital divide. Addressing these issues is essential to ensure the equitable and sustainable implementation of One Health initiatives in the digital age.

The papers cover specific topics, such as *Practical Implementation of Artificial Intelligence (AI), Data and Standards in Healthcare, Human Aspects in Digital Health, Education in Healthcare - New Paradigms and Tools, Interprofessional Digital Communication and Collaboration in Healthcare,* and *Healthcare Information Systems.*

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