Special Issue

Artificial Intelligence and Indoor Air Quality

Message from the Guest Editors

Air pollution brings serious health and quality of life implications and it poses one of the greatest environmental risks for human health, as well as for all living beings and our planet's sustainability. It can potentially cause numerous respiratory illnesses, such as asthma, chronic obstructive pulmonary disease, allergies, lung cancer, as well as cardiac issues. Air quality monitoring systems are essential to help us to maintain a good quality of life and, since the overall population spends approximately 90% of their time inside buildings, monitoring air quality in indoor environments is crucial. Additionally, indoor pollution levels can be 2–5 times higher than in outdoor environments, according to the United States Environmental Protection Agency (EPA). To address indoor air quality and its underlying effects on human health more effectively, the use of artificial intelligence, as well as efficient and smart communication techniques, are essential to accomplish this task in an efficient, unobtrusive, and seamless way.

Guest Editors

Prof. Dr. Francisco Cercas

Dr. Sancho Oliveira

Dr. Octavian Postolache

Deadline for manuscript submissions

closed (30 June 2022)

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Editor-in-Chief

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