AISME 2024

XXXII CONGRESSO NAZIONALE DI SCIENZE MERCEOLOGICHE

Resilienza e sostenibilità nel cambiamento globale

Lecce (Italy), 19-20 Settembre 2024

www.aisme2024.it

UNIVERSITÀ DEL SALENTO
L'Ateneo tra i due mari

Special Track n. 4

Quality improvement and circularity in healthcare

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Quality improvement and circularity in healthcare

Organizers:

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Description:

Nowadays, healthcare represents the most significant aspect of people's lives, pushing national governments to provide a robust and efficient healthcare system. It plays a pivotal role, as services focused on care and assistance are seen as catalysts for a more comprehensive transformation of modern society. The healthcare sector represents a dynamic system comprised of intricate interactions among various stakeholders. However, its industry (considering pharmaceuticals and medical services) represents a strong contributor to the global greenhouse gas emissions, with approximately 4.4% of the total. In addition, the pandemic exacerbated the challenges already faced by the healthcare sector in its pursuit of sustainability, due to heightened health sector operations and increased utilization of personal protective equipment (PPE). In fact, it is estimated that the extensive use of disposable PPE has led to a worldwide production of 8 million tons of plastic waste. In this context, the paradigms of eco-design and circularity assume a fundamental role in reducing the environmental pressure of this sector, aiming to improve the quality of recycled and re-manufactured products. The implementation of innovative processes, such as additive manufacturing and artificial intelligence, has the potential to lead the digital and ecological transitions in the healthcare sector. The present special track welcomes submissions which propose methodological advances and applications in this field.

Keywords:

Quality Improvement; Circularity; Healthcare; Sustainability; Eco-design; Additive Manufacturing; Artificial Intelligence; Green Solutions; Medical Devices.

Further Special Track details are available on AISME2024 website >>

Guidelines:

Authors wishing to contribute are invited to submit an abstract of max 250 words (**template**) by 28 February 2024, by using the software Conftool. The abstract should highlight research objective, methodology, and expected results on the specific topic.

Important dates:

28 February 2024 Abstract submission deadline
15 March 2024 Acceptance notification to authors
10 May 2024 Full paper submission deadline
30 May 2024 Deadline for the final version of the full paper
19-20 September 2024 Conference sessions

Further information:

For further information related to the event, please visit the event website at **www.aisme2024.it** or contact the conference organizers at aisme2024@enuklea.com.

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