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**Abstract:** We strongly encourage you to use the online submission system (**https://events.unibo.it/icmmb2022/abstract-submission**). Please use Times New Roman 10 and single line spacing. The abstract should summarize the essential contents of the work, key ideas and results of the paper in less than 200 words. It should not contain any reference citations or displayed equations.

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**Keywords:** Keyword1; keyword2; keyword3.

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1. Cardiovascular biomechanics, fluid and vessels
2. Cardiovascular - Signal analysis and electrical therapies
3. Orthopedics - Biomechanics
4. Orthopedics - Devices and technology
5. Tissue engineering
6. 3D modeling and printing for biomedical applications
7. Machine learning and artificial intelligence for Big Biomedical Data
8. In silico medicine and numerical simulation
9. Cell/Molecular Biomechanics
10. Locomotion/musculoskeletal biomechanics
11. Sport biomechanics
12. Biomaterials and prosthesis
13. Imaging, therapy, radiobiology and dosimetry
14. Advanced methods for Neurosciences
15. Biosignal Processing
16. Wearables and implantables for healthcare and monitoring
17. Telemedicine and eHealth
18. Other