



CALL FOR PAPERS

ICABMD 2023
Dec 09-10, 2023
London, United Kingdom

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICABMD 2023 : International Conference on Advanced Biomedical Materials and Devices is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Advanced Biomedical Materials and Devices. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

- Biomedical materials
- Biomedical materials research
- Mechanical behavior of biomedical materials
- Third-generation biomedical materials
- Applied biomaterials
- Manufacturing processes of biomedical materials
- Materials for tissue engineering and regenerative medicine
- Stress/strain/time relationships for biological materials
- Fracture mechanics of hard tissues
- Tribological properties of joint materials and their replacements, including coatings
- Mechanical characterisation of tissue engineering materials and scaffolds
- The mechanical behaviour of cells, including adhesion
- Mechanical properties of biological molecules such as dna
- Long-term fatigue, creep and wear properties of biomaterials used in implants
- The behaviour of the human tissues under impact loading
- Mechanical performance of materials in plants and animals
- New techniques for the measurement of mechanical properties in biomedical materials, in both laboratory and clinical practice
- Computer simulations of material behavior
- Clinical case histories related to material performance
- Mechanobiology: response of cells and tissues to biophysical stimuli
- Unique aspects of material removal and deformation processes in biomedical manufacturing
- Advanced manufacturing processes for meso-, micro-, nano-scale structures and devices
- Design and fabrication of surrogates of biological materials for use in process research
- Advanced manufacturing processes for engineered tissue scaffolds and constructs
- Additive and other new processes for biomedical manufacturing
- Advances in process validation and verification in biomedical manufacturing

