

Inaugural statement on the first issue

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Since the 20th century, with the development of synthetic chemistry and genome editing technology, biomedical materials have entered a new era, especially in the fields of polymer materials, nanomaterials, metal-organic frameworks, and biosynthetic materials. Biomedical materials are mainly used to diagnose, treat, repair, and replace diseased tissues or organs of living organisms to improve their functionality. As early as ancient times, some natural materials, such as cotton, linen fibers, and horse hair, were used as sutures to heal wounds. In addition, false teeth, noses, and ears have been found in tombs in ancient China and Egypt. Nowadays, with the continuous development of the economy and the elevation of people's living quality, there is an increased demand for biomedical materials and related technologies, especially for joints, artificial teeth, cardiovascular systems, skin, tissue engineering, and special surgical instruments. Therefore, as driven by intelligent technology, novel biomaterials such as alloys, ceramics, bioglass, carbon-based materials, polymers, and injectable gels are continuously derived with rapidly increasing varieties. Currently, biomedical materials have become one of the fastest developing and most promising directions in the field of materials science, and the biomedical material industry has also become a representative of emerging industries with low energy consumption and high added values.

MedMat was born in response to the rapid development of biomedical materials. As a flagship comprehensive open-access journal, *MedMat* aims to address health challenges such as

diagnosis and treatment of major diseases, precise drug delivery, regenerative medicine, tissue engineering, translational medicine, and healthcare. *MedMat* is expected to achieve milestones in material science and display high academic influence. It is worth mentioning that *MedMat* will cover a broad scope of topics, including but not limited to medical materials, material-derived therapies, devices and systems for healthcare, biosensors, and bioelectronics, which are specifically designed or engineered for potential medical applications. Specifically, it includes materials for targeted controlled-release vectors, bioelectrodes, stimulus-response materials, integrated diagnosis and treatment systems, smart sensors, and implantable/wearable biomedical devices. *MedMat* is a comprehensive and cross-field journal that is expected to advance the science and technology related to materials, medicine, and devices, as well as improve the quality of life and health of human beings.

Welcome global friends and colleagues to contribute your wonderful works to *MedMat*. Thank you for your support and contribution!

Conflict of interest

The author declares no conflicts of interest.

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