



Editorial

40th Anniversary Issue: Reflections on papers from the archive on “Biomechanics”



The field of Biomechanics is the largest single subject category to feature in the Journal archive, amounting to several hundreds if not thousands of papers. As with Biomaterials, this topic is well served by several other leading scientific journals, namely the *Journal of Biomechanics* and *Clinical Biomechanics*. That authors choose to publish their work in *Medical Engineering & Physics* reflects the emphasis that those engaged in research in this field place on translating their work in to the clinic or hospital setting.

Clearly, given the number of papers published in the Journal on this topic, this supplement is necessarily highly selective to be of any value; consequently, the papers that appear in this supplement have been limited to those themes that have featured most consistently in the Journal over the past 40 years: kinematics and gait analysis; finite-element modelling and analysis; and tissue mechanics of bodily tissues in health and disease. Work that focusses largely on trauma biomechanics, or accident and injury prevention, or that which does not suggest an immediate clinical diagnostic or therapeutic application, has been excluded. This decision is consistent with the definition of the term ‘medical’, which appears in the Journal title: i.e., therapeutic, restorative, healing, curative – an interpretation that both IPPEM and the publisher endorse.

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Further reading

Kinematics and Gait Analysis

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