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# Applied Mechanics

A large, close-up photograph of a metallic gear, rendered in a monochromatic orange color. The gear's teeth and central hub are clearly visible, with a hexagonal bolt in the center.

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# Message from the Editor-in-Chief

The Editor-in-Chief invites contributions of research articles or reviews for publication in *Applied Mechanics* (ISSN 2673-3161). *Applied Mechanics* is an international peer-reviewed open access journal published quarterly, and covers a wide range of topics related to mechanics of solids and structures and its engineering applications. Contributions are welcome on recent scientific research and development using different research techniques such as analytical, numerical, and experimental methods. We also invite you to offer any proposals for Special Issue topics that you feel would be of interest.

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**Editor-in-Chief**

Prof. Dr. Magd Abdel Wahab

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## Aims

*Applied Mechanics* (ISSN 2673-3161) is an open access, international journal of scientific research on applied mechanics. It publishes original research articles, reviews, communications, technical notes, as well as Special Issues on particular subjects. There is no restriction on the maximum length of the papers, and all manuscripts undergo a rigorous peer-review process before publication.

The journal aims to provide an advanced forum to report fascinating research results mainly in classical continuum mechanics; mathematical modelling and computer methods; mechanics of solids, static and dynamic of structures, materials engineering; mechanics theories with application to civil, mechanical, and aerospace structures. The journal publishes recent scientific research and development in the above-mentioned topics using different research techniques, such as analytical, numerical, and experimental methods.

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## Scope

- Solid mechanics
- Structural mechanics
- Kinematics and dynamics
- Fracture and damage mechanics
- Fatigue of materials
- Contact mechanics
- Mechanics of materials
- Wear and tribology
- Heat transfer in solids
- Bio-mechanics
- Fluid mechanics
- Mathematical models and numerical models in applied mechanics
- Civil engineering
- Mechanical engineering
- Aerospace engineering

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The South African Association for Theoretical and Applied Mechanics (SAAM)



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