AIM AND SCOPE

The aim of the Journal of Modares Mechanical Engineering is to provide an area for the publication and dissemination of original work that contributes to the understanding of the main and related disciplines of mechanical engineering. It focuses on both analytical and experimental research, with an emphasis on contributions which increase the basic understanding in Mechanical Engineering and their application to engineering problems. The Journal covers the whole spectrum of mechanical engineering, which includes, but is not limited to, Thermal Engineering and Fluids Engineering, Aerospace engineering, Production Engineering, Dynamics, Vibration, Control, Materials and Design Engineering. Manuscripts may fall into several categories including original research articles, reviews, research notes and technical notes related to the core of mechanical engineering. It is hoped that this journal will prove to be an important factor in raising the standards of discussion, analyses, and evaluations relating to mechanical engineering. All manuscripts with significant research results in the areas of Mechanical Engineering and their application are welcome.

TOPIC INCLUDED

- Aerospace Structures
- Compressible Flow
- Fluids Machines
- Mechatronics
- Reaction & Multi-Phase Flow
- Aerospace Structures
- Control
- Fuel Cell
- Meshless Numerical Methods
- Reaction & Multi-Phase Flow
- Analytical Methods
- Creep
- Gas Dynamics
- Metal Forming
- Solar Energy & Radiation
- Automatic
- Damage Mechanics
- Heat & Mass Transfer
- Micro & Nano Systems
- Sonic Flow
- Biomathematics
- Dynamics
- Hydraulic and Pneumatic Systems
- Non Destructive Test
- Stress Analysis
- Casting
- Elasticity & Plasticity
- Impact Mechanics
- Non-Newtonian Fluid Mechanics
- Thermal Comfort
- Composites
- Energy in Buildings
- Industrial Manufacturing
- Numerical Control Machines
- Thermal Power Plant
- Computational Fluid Dynamic (CFD)
- Energy Systems Management
- Internal Combustion Engine
- Non-Destructive Test
- Thermodynamics
- Characterization
- Environment
- Lattice-Boltzmann Method
- Non-Newtonian Fluid Mechanics
- Turbulence
- Combined Heat & Power Systems
- Experimental Fluid Mechanics
- Manufacturing Methods
- Numerical Control Machines
- Two & Multi Phase Flow
- Combustion
- Fatigue & Failure
- Manufacturing Processes
- Porous Media
- Vibration
- Engineering
- Power Machines
- Marine Structures
- Mechatronics
- Production Methods
- Welding
- Pressure Vessel
- Manufacturing Processes
- Mechanical
- Reaction & Multi-Phase Flow
- Robotic
- Research Notes

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