The Journal of *Modares Mechanical Engineering* is a multi-disciplinary, peer-reviewed journal covering all areas in mechanical engineering in Persian language with English abstract. It is the mission of the journal to publish high quality work from experimental, theoretical, and computational investigations on mechanical engineering. This journal is published in 12 issues per year. All articles published by journal are made accessible online immediately upon publication, without subscription charges or registration barriers. More details can be found at: http://mme.modares.ac.ir.

**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
- Analysis & Selection of Materials
- Analytical Methods
- Automation
- Biomechanics
- Casting
- Computational Fluid Dynamic (CFD)
- Characterization
- Kinematics & Mechanics
- Combined Heat & Power Systems
- Combustion
- Composites
- Fluids Machines
- Fuel Cell
- Gas Dynamics
- Heat & Mass Transfer
- Hydraulic and Pneumatic Systems
- Impact Mechanics
- Industrial Manufacturing
- Instrumentation
- Internal Combustion Engine
- Lattice-Boltzmann Method
- Manufacturing Methods
- Marine Structures
- Mechatronics
- Mesh-less Numerical Methods
- Metal Forming
- Micro & Nano Systems
- Mould & Tool Design
- Non Destructive Test
- Non-Newtonian Fluid Mechanics
- Numerical Control Machines
- Plumbing & Air Conditioning
- Porous Media
- Pressure Vessel
- Production Methods
- Reaction & Multi-Species Flow
- Robotic
- Solar Energy & Radiation
- Sonic Flow
- Stress Analysis
- Thermal Comfort
- Thermodynamic
- Turbulence
- Two & Multi Phase Flow
- Vibration
- Welding