

## EDITORIAL PREFACE

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It is my great pleasure to publish the first issue of the Jordan Journal of Mechanical and Industrial Engineering (JJMIE). JJMIE is a refereed, peer reviewed quarterly international journal issued by the Jordanian Ministry of Higher Education and Scientific Research in cooperation with the Hashemite University. The journal covers a wide range of research and development concerning mechanical and industrial engineering. Through the publication, we hope to establish and provide an international platform for information exchange in different fields of mechanical and industrial engineering.

Jordan Journal of Mechanical and Industrial Engineering aims to provide a highly readable and valuable addition to the literature, which will serve as an indispensable reference tool for years to come. The coverage of the journal includes all new theoretical and experimental findings in all aspects of mechanical and industrial engineering or any closely related fields. The journal also encourages the submission of critical review articles covering advances in recent research of such fields as well as technical notes.

The Editorial Board is very committed to build the Journal as one of the leading international journals in mechanical and industrial engineering sciences in the next few years. With the support of the Ministry of Higher Education and Scientific Research and Jordanian Universities, it is expected that a valuable resource to be channeled into the Journal to establish its international reputation.

I have received an excellent response to the first issue of JJMIE from both academics and practitioners. I am pleased by this response and proud to report that JJMIE is achieving its mission of promoting research and applications in mechanical and industrial engineering. In the first issue, there are seven interesting papers dealing with various aspects of mechanical and industrial engineering: (i) a study of the effects of parameters on the surface roughness in the end-milling process; (ii) assessments of power augmentation from gas turbine power plants using different inlet air cooling systems; (iii) a fuzzy monitoring system for an extrusion line; (iv) effect of water depth on the performance evaluation of solar still; (v) a nonlinear torsional dynamic model of multi-mesh gear trains having flexible shafts; (vi) a neural network based real time controller for turning process; and (vii) a graphical design of an input shaping controller for quay-side container cranes with large hoisting: theory and experiments. The methodology employed in these research articles ranges from analytical and empirical models to experimental studies.

JJMIE will bring you top quality research papers from an international body of contributors and a team of distinguished editors from the world's leading institutions engaged in all aspects of mechanical and industrial engineering. Now, the JJMIE invites contributions from the entire international research community. The new journal will continue to deliver up to date research to a wide range of mechanical and industrial engineering professionals. The JJMIE will assure that rapid turnaround and publication of manuscripts will occur within three to six months after submission.

I would like to thank all members of the editorial board and the international advisory board members for their continued support to JJMIE with their highly valuable advice. Additionally, I would like to thank the manuscript reviewers for providing valuable comments and suggestions to the authors that helped greatly in improving the quality of the papers. My sincere appreciation goes to all authors and readers of JJMIE for their excellent support and timely contribution to this journal.

I would be delighted if the JJMIE could deliver valuable and interesting information to the worldwide community of mechanical and industrial engineering. Your cooperation and contribution would be highly appreciated. More information about the JJMIE guidelines for preparing and submitting papers may be obtained from [www.jjmie.hu.edu.jo](http://www.jjmie.hu.edu.jo)

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