

Acta Mechanica Malaysia (AMM)

HEAD OFFICE ADDRESS:

Zibeline International Publishing Sdn Bhd

C2-2-3, Block 2, CBD Perdana 3,
Persiaran Cyberpoint Timur,
Cyber 12, 63000 Cyberjaya,
Selangor.

Tel: +603-86879842

EDITORIAL STAFF:

Publishing Manager

Tasbia Ab Rajul

Publishing Editor

Nurul Afiqah Ab Manan

Publishing Editor

Rozalaidah Abdul Karim

Technical Editor

Nuraliah Natasha Amirurrulhisam

Technical Editor

Muhammad Aqil Zikry Mohd Nizam

Frequency:

Bi-annual (2 issue per year)

ISSN: 2616-4302 (Online)

Price:

Single issue: 50 MYR

Price for abroad

Single issue: 25 USD

Web:

www.actamechanicamalaysia.com

E-mail:

info@zibelinepub.com

Contents

VOLUME 6, ISSUE 2, 2023		
No	Editorial	Pages
1	THE STUDY ABOUT RELATIONSHIP BETWEEN CO-APERTURE SPLITTING RATIOS AND LASER FAR-FIELD SPOT MORPHOLOGY AND POWER	40-43
2	DESIGN AND IMPLEMENTATION OF A 36-NOTE LOW-COST CUSTOMIZED DIGITAL MUSIC BOX	44-50
3	DYNAMIC AND STABILITY ANALYSIS OF AN INCLINED BEAM SUBJECTED TO MOVING CONCENTRATED LOAD	51-55
4	DESIGN AND MANUFACTURE OF AN INDUSTRIAL AUTOMATIC ROTI (SOUTH ASIAN FLAT-BREAD) MAKER	56-75
5	A SYSTEMATIC REVIEW OF SME-DRIVEN INCENTIVES FOR THE ADOPTION OF CLEANER VEHICLES: STRATEGIES AND OUTCOMES	76-81
6	FLUID DYNAMIC PERFORMANCE AND PERFORMANCE ANALYSIS OF A NOVEL FLEXIBLE OSCILLATING WIND TURBINE	82-89

Acta Mechanica Malaysia (AMM)

Editorial

Due to recent advancements in the field of mechanical engineering and automation, it become inventible to provide the most recent information and technology not only on leading-edge research in specialist areas but also on research and development to solve cross-cutting issues. Acta Mechanica Malaysia (AMM) publishes papers of high quality research and critical reviews in the field of mechanical engineering and automation. The journal features a mix of experimental, numerical, and theoretical articles dealing with all aspects of the field. Acta Mechanica Malaysia (AMM) is a collaborated publishing project under VOLKSON PRESS and Zibeline International.

Scientific Board

Editorial Team

Editor in Chief

Assoc. Prof. Ir. Dr. Nuriani Abdul Aziz
Department of Mechanical and Manufacturing
Engineering,
Faculty of Engineering Universiti Putra Malaysia
43400 Serdang, Selangor, Malaysia

Dr. Tauseef Aized
Professor, Mechanical Engineering,
University of Engineering and Technology, Lahore
Pakistan

Editorial Board

Engr. Prof. Mike Agbesi Acheampong
Pro Vice-Chancellor,
Kumasi Technical University, Kumasi-Ghana

Dr Devarajan A/L Ramasamy
Faculty of Mechanical Engineering
Universiti Malaysia Pahang

Associate Prof. Dr Kumaran A/L Kadirgama
Faculty of Mechanical Engineering
Universiti Malaysia Pahang

Asst. Prof. Er. Gaurav Kumar
Assistant Professor of Mechanical,
Vidya College of Engineering, Meerut

Asst. Prof. P.Umamaheswarrao Department of
Mechanical Engineering,

Asst. Prof. Dr. Ram Rohit V
Department of Mechanical Engineering
BMS College of Engineering, Bengaluru

Monaem Elmnifi
Bright Star University, Libya
College of Engineering/Renewable and
Sustainable Energy

Engr. Rana Shahzad Noor
Department of Agriculture, Biological,
Environment and Energy Engineering, College of
Engineering, Northeast Agricultural University,
Harbin 150030, China

Arjun Prasad Khanal
Agriculture Extension officer
Ministry of Land Management Agriculture
and Cooperatives, Province 5, Nepal

Abid Hossain Khan
Department of Mechanical Engineering,
Sonargaon University (SU), Dhaka-1212,
Bangladesh

Asst. Prof. Umamaheswar Rao
Department of Mechanical Engineering,
Bapatla Engineering College,
Bapatla-522102, Guntur District,
Andhra Pradesh, India