
PAGES

249 - 262

PAPERS

CFD Based Design Optimization of Convergent-Divergent Nozzle of High-Speed Rocket Using the Taguchi Method for Enhanced Flow Characteristics

Syed Masood Arif Bukhari , Bushra Meraj , Naveed Husnain , Rashida Qurashi , Waseem Abbas , Muhammad Tuoqeer Anwar , Nida Wajahat , Ali Tahir , Muhammad Farooq Zaman

<https://doi.org/10.59038/jjmie/190201>

263 - 279

Efficiency Investigation of Savonius wind turbines: A systematic Review of Performance Enhancement and Conceptual Framework

Kumail Abdulkareem Hadi Al-gburi , Firas Basim Ismail, Ammar Al-Bazi, Rami Al-Hadeethi, Salih Meri Al-Absi, Ee Sann Tan, Muayad M. Maseer

<https://doi.org/10.59038/jjmie/190202>

281 - 285

Braking Dynamics of Mechanical Systems with Elastic Links: Knitting Technology as Case Study

Jihad S. Radaideh, Musa K. AlAjlouni, Tareq A. Al-azab

<https://doi.org/10.59038/jjmie/190203>

287 - 296

Physicochemical and Mechanical Characterization of Phosphate Sludge for Sustainable Concrete-Based Composites

Zahra Meryam, Essahbi Soufien, Taktak Mohamed, Haddar Mohamed

<https://doi.org/10.59038/jjmie/190204>

297 - 316

Strategic Roadmap for Prioritizing Industry 4.0 Technologies in Manufacturing: Integrating DFSS and MCDA Approaches

Tayeb Aoufi , karima Aksa

<https://doi.org/10.59038/jjmie/190205>

317 - 332

Assessing the Influence of Solar Ventilation on Cabin TVOC Concentrations in Vehicles Parked under Sunlight

Hazem A.Alshakhanbeh, Mohd Z. Abdullah, Jitladda Sakdapipanich, Hani A. Al rawashdeh

<https://doi.org/10.59038/jjmie/190206>

333 - 347

Analysis of Blood Supply Chain Barriers Using TOPSIS-ISM-MICMAC: A Study of the Vidarbha Region, Maharashtra, India

Vinod G. Surange, Pallavi B. Sangode

<https://doi.org/10.59038/jjmie/190207>

349 - 362

Numerical Analysis of the effect of Upstream Obstacles on Aerodynamic Performance of NACA 65-421 Airfoil Using RNG k- ε Model

Omar Badran, Ismail Masalha, Ali Alahmer, Zeeshan Azad, Muhammad Virk, Saad Ragab, Kareem Akhtar

<https://doi.org/10.59038/jjmie/190208>

363 - 369

Evaluation of a Proposed Scheme with Shallow Geothermal for Sub-Cooling in Cooling Systems as an Application

Amer K. Ababneh, Hussein Dalgamoni, Ahmad Almigdady

<https://doi.org/10.59038/jjmie/190209>

371 - 386

Assess and Investigate the Current Techniques, Challenges and Material Innovations in the Design and Fabrication of prosthetic and Orthotic (P&O) Devices

Asif Nawaz Wassan, Muhammad Saleh Jumani, Muhammad Ahmed Kalwar

<https://doi.org/10.59038/jjmie/190210>

PAGES

387 - 394

PAPERS

Experimental Study for Cooling Enhancement of PV System by Using a Heat-Sink Integrated with PCM

Ali M. Jawarneh, Khalid Mouhsen, Ahmad K. AL-Migdady, Hussein N. Dalgamoni
<https://doi.org/10.59038/jjmie/190211>

395 - 413

Advancements in the Mechanical Aspects of Membrane Technology for Oil-Water Filtration: Challenges, Fouling Mitigation, and Achievements

Nthabiseng Jane Ramanamane, Mothibeli Pita
<https://doi.org/10.59038/jjmie/190212>

415 - 426

Optimizing Sales Forecasting in Dairy Industry Using Neural Networks

Samer Abaddi
<https://doi.org/10.59038/jjmie/190213>

427 - 443

Optimal Design for Construction Supply Chain under Time Value of Money, Inventory Control, and Carbon Tax Consideration

Samin Arbabi, Heibatolah Sadeghi, Hêriş Golpîra
<https://doi.org/10.59038/jjmie/190214>

445 - 455

Use of Bio-Inspired Keratin Material in Crashworthiness Improvement Using ANSYS Software for Vehicle Frontal Impact Simulation

Aws Namora, Majdi Zalloum, Hussein Amro
<https://doi.org/10.59038/jjmie/190215>

457 - 468

Investigation and Optimisation of Mechanical Properties of Additively Manufactured PMMA Patterns using Taguchi and RSM Approach

Dhinakaran Veeman, Biplab Bhattacharjee, Murugan Vellaisamy
<https://doi.org/10.59038/jjmie/190216>

469 - 478

Characteristics of Lantung Fiber and the Effect of Alkali Treatment and Water Absorption on the Mechanical Properties of Lantung Fiber Reinforced Composites

Hendri Hestiawan, Zuliantoni, NurulIman Supardi, Sudibyo
<https://doi.org/10.59038/jjmie/190217>
