

CONTENTS

Emil Szymczyk, Maciej Rećko, Kazimierz Dzierżek, Karol Sapiółko <i>An Innovative Approach to Fabrication with Photo-Cured Resins by Shell-Printed-Core-Casting</i>	485
Mariusz Leus, Paweł Gutowski, Marta Rybkiewicz <i>Effectiveness of Friction Force Reduction in Sliding Motion Depending on the Frequency of Longitudinal Tangential Vibrations, Sliding Velocity and Normal Pressure</i>	490
Wojciech Sikora <i>Experimental Investigation of a Uniaxial Dielectric Elastomer Generator.....</i>	499
Ahmed Kechra, Ahmed Bouzidaine <i>Semi-Analytical Analysis of a Rigid Rotor Mounted on Four-Pad Hydrostatic Squeeze Film Damper with Single-Action Membrane-Type Restrictors</i>	507
Paulina Pietruś, Piotr Gierlak <i>Influence of the Manipulator Configuration on Vibration Effects.....</i>	515
Khaled Kharrati, Madiha Salhi, Abdelmoumen Hidouri, Ridha Abdeljabar <i>Effect of Luffa Sponge Fibre Mats Embedded in the Plaster Matrix.....</i>	523
Ghazanfar Mehboob, Kashif Nadeem, Amjad Iqbal, Gohar Mehboob, Shahnawaz Hussain, Mohamed Ragab, Mazhar Iqbal, Sohaib Ajmal, Adel El-Marghany <i>The Study of Temperature Dependent Magnetic Properties Variation in CoCr2O4 Nanoparticles with ($\gamma = 0.8$) and without Coating Concentration of Non-Magnetic (SiO₂)γ</i>	533
Piotr Radomski, Paweł Ziółkowski, Dariusz Mikielewicz <i>Energy Conversion in Systems-Contained Laser-Irradiated Metallic Nanoparticles – Comparison of Results From Analytical Solutions and Numerical Methods.....</i>	540
Katarzyna Falkowicz <i>Linear Analysis of Thin-Walled Composite Profiles Weakened by Holes.....</i>	550
Michał Ptak, Jerzy Czmochoowski <i>Using Computer Technique for Developing Method for Vibration Damage Estimation under Combined Random and Deterministic Loading</i>	558
Ewa Pawłuszewicz <i>Avoidance Strategies for Fractional Order Systems with Caputo Derivative.....</i>	570
Yaşar Sert, Tevfik Küçükömeroğlu, Hojjat Ghahramanzadeh Asl, Levent Kara <i>The Effect of “B” Target Voltage on Wear Properties of TiCrNb-hBN Coatings</i>	575
Maryam Asgir, Muhammad Bilal Riaz, Ayesha Islam <i>Exact Analysis of Fractionalised Jeffrey Fluid in a Channel with Caputo and Caputo Fabrizio Time Derivative: A Comparative Study.....</i>	581
Beata Maciejewska, Sylwia Hożejowska, Mirosław Grabowski, Mieczysław E. Poniewski <i>Numerical Analysis of the Boiling Heat Transfer Coefficient in the Flow in Mini-Channels</i>	595
Michał Kolankowski, Michał Banach, Robert Piotrowski, Tomasz Ujazdowski <i>A New Approach to Designing Control of Dissolved Oxygen and Aeration System in Sequencing Batch Reactor by Applied Backstepping Control Algorithm.....</i>	605
<i>Abstracts.....</i>	XXXIII