

CONTENTS

Kacper Fiedurek, Paweł Szoeder, Marek Macko, Aneta Raszkowska-Kaczor, Marcin Borowicz, Natalia Puszczynowska <i>Introduction to Modelling the Correlation Between Grain Sizes of Feed Material and the Structure and Efficiency of the Process of Co-Rotating Twin-Screw Extrusion of Non-Flammable Composites with a PLA Matrix</i>	301
Silvia Maláková, Samuel Sivák <i>GPS Application in the Design of Gearboxes.....</i>	309
Daniel Kaczor, Krzysztof Bajer, Grzegorz Domek, Piotr Madajski, Aneta Raszkowska-Kaczor, Paweł Szoeder <i>Influence of Extruder Plasticizing Systems on the Selected Properties of PLA/Graphite Composite.....</i>	316
Elżbieta Gawrońska, Robert Dyja, Maria Zych, Grzegorz Domek <i>Selection of the Heat Transfer Coefficient using Swarming Algorithms</i>	325
Michał Bembeneck, Andrzej Uhryński <i>The Use of Thermography to Determine the Compaction of a Saddle-Shaped Briquette Produced in an Innovative Roller Press Compaction Unit</i>	340
Artem Artyukhov, Jan Krmela, Vladimira Krmelova, Dastan Ospanov <i>Vortex-Type Granulation Machines: Technological Basis Of Calculation And Implementation Roadmap</i>	347
Paweł Sułkowicz, Robert Babiarz, Jan Burek, Jarosław Buk, Kamil Gancarczyk <i>A Method of Increasing the Accuracy of Low-Stiffness Shafts: Single-Pass Traverse Grinding without Steady Rests</i>	357
Kamil Krasuski, Janusz Ćwiklak, Mieczysław Bakula, Magda Mrozik <i>Analysis of the Determination of the Accuracy Parameter for Dual Receivers Based on Egnos Solution in Aerial Navigation</i>	365
Noureddine Aimeur, Noureddine Menasri <i>Computational Investigation of vibration Characteristics Analysis for Industrial Rotor</i>	373
Roman Mediukh, Vira Mediukh, Vasyl Labunets, Pavlo Nosko, Oleksandr Bashta, Irina Kondratenko <i>Investigation of Structure Formation and Tribotechnical Properties of Steel Plasma Coatings after Chemical-Heat Treatment and Liquid-Phase Impregnation.....</i>	382
Ryszard Szczebiot, Roman Kaczyński, Leszek Gołdyn <i>Numerical Criterion for the Duration of Non-Chaotic Transients in ODEs</i>	388
Andrzej Kazberuk <i>Application of the Deformation Fracture Criterion to Cracking of Disc Specimens with a Central Narrow Slot</i>	393
Adam Adamowicz <i>Determination of Thermal Diffusivity Values Based on The Inverse Problem of Heat Conduction – Numerical Analysis.....</i>	399
Wojciech Horak, Barbara Stępień, Bogdan Sapiński <i>Experiment and Analysis of the Limit Stresses of Magnetorheological Fluid</i>	408
Rached Miri, Mohamed A. Abbassi, Mokhtar Ferhi, Ridha Djebali <i>Second Law Analysis of MHD Forced Convective Nanofluid Flow Through a Two-Dimensional Channel</i>	417
Abstracts.....	XXIX