

# Table of Contents

## Preface

<b>Efficient Toolpath Generation Method for High-Quality and High-Accuracy Machining of Curved Surfaces</b>	
T.T.K. Dat, V.N. Phong and T.T. Phuc	1
<b>Influence of 3D Printing SLS Process Parameters on Product Tensile Strength</b>	
P.S. Minh, T.A. Son and N.V. Minh	11
<b>Determine the Optimal Parameters of the Processing of SUS 304 Sheet Material to the Machining Time by Spif Technology</b>	
T. Vo, L.C.K. Dinh and V.L. Vo	17
<b>Research on Feeding System of Open-Source-FDM Printers to Improve the Quality of 3D Printed Products from Flexible Materials</b>	
H.N. Huynh, T.H. Le, N.H.H. Tran and T.H. Bui	25
<b>Numerical Simulation of Flow Behaviour of PLA and PLA-Copper during Fused Deposition Modeling Process</b>	
H.N. Huynh, H.D.H. Vo, H.T. Nguyen, T.H. Bui and T.T.H. Thai	34
<b>Synthesis of Multiple Degrees-of-Freedom Compliant Parallel Mechanisms Using Improved Beam-Based Structural Optimization Method</b>	
V.T. Nguyen, M.T. Nguyen and M.T. Pham	45
<b>A Research on the Influences of Forming Parameters on the Roughness of Plastic Products by Fuse Deposition Modeling Technology</b>	
K.D. Le, T.N. Nguyen, N.H. Hiep and S. Antonov	58
<b>Metal 3D Printing by Fused Deposition Modeling (FDM) with Metal Powder Filament Materials</b>	
P.S. Minh, D.S.T. Huynh and T.A. Son	68
<b>Design and Manufacturing of Feeding System to Improve Accuracy and Surface Roughness of FDM Products</b>	
H.N. Huynh, T.H. Le, N.H.H. Tran and T.H. Bui	73
<b>Theoretical Prediction of Quadruple-Pass Solar Air Heater with Longitudinal Fins by a One-Dimensional Approach</b>	
P.B. Thao, D.C. Truyen and N.M. Phu	83
<b>Design of 2D Wave Booster Ultrasonic Vibration-Assisted Cutting Tool in Small Size Surface Machining</b>	
T.H. Nam, T.A. Son, N.T. Hai and N.T. Phuoc	92
<b>Determining the Thermal Properties of the Pangasius Using a Dual Needle Heat-Pulse Sensor</b>	
D.H. Hoang, N.V. Dung and H.T.N. Huong	101
<b>Electric Propulsion System Sizing Algorithm and Structural Design for Delivery Drone</b>	
K.G.T. Diep and N.A. Vu	110
<b>Design Process of Electric Vehicle Power System</b>	
X.M. Pham, G.V. Bui, H. Pham and L.H.P. Pham	122
<b>Design and Manufacture of Welding Fumes Electrostatic Precipitator and Parameter Study on Filtration Performance</b>	
H.B.H. Nguyen, M.L. Du and T.H. Bui	136
<b>Development a Warehouse Management Information System</b>	
M.H. Phan and A.T. Tran	151
<b>Development of Non-Platinum Metal Catalysts for Anion Exchange Membrane Fuel Cells</b>	
V.M. Truong, T.Q. Le, T.N. Le, N.B. Duong and T.M. Tang	164
<b>Capacity Planning Considering Uncertainty Factors</b>	
M.H. Phan and T.D. Nguyen	173
<b>Optimization of the Novel Vacuum Drying Process's Parameters on the Dragon Fruit Chips</b>	
B.Q. Nguyen, L.H. Sam and S. Tran Anh	183
<b>A Study on Effects of Temperature and Velocity of Drying Air on Flavonoids Extraction Rate of <i>Houttuynia Cordata Thunb</i></b>	
L.M. Nhut and B.D. Sang	189