

CONTENTS

The tribological characteristics of zirconium diboride particle reinforced composites processed by SPS I. Sulima, P. Hyjek	2
Experimental investigation and machining analysis of Mg/TiC composites during EDM D. Dash, D. Devarajaiah, S. Kumar Dash, S. Samanta, R. Naresh Rai	9
Insights into the processing, structure, and mechanical performance of polyethylene/gypsum composites A. Hejna, M. Barczewski, P. Kosmela, O. Mysiukiewicz	17
Enhanced wear and corrosion performance of stainless steel 316L with addition of different weight percentages of GNP K. Veeramallu, A. Gopala Krishna	25
Effect of graphite nanoparticles on mechanical properties of FSPed aluminum surface composite D. Kumar, S. Singh	33
Investigation of the influence of debonding shapes and debonding locations on vibration behavior of sandwich structure U. Demircioğlu, M. Tarık Çakır	39
Characterization of Al 6061/Al₂O₃/SiC composites with cerium oxide: Corrosion analysis and microstructural insights V. Kumar Sharma, P. Kumar, D. Kumar, R. Chalisgaonkar, S. Akhai	49
Effect of TiC and BN nanoparticles on mechanical and microstructural characteristics of Al7085 hybrid nanocomposites P. Kumar Garapati, L. Dumpala, Y Seetha Rama Rao	57
Assessment of the effectiveness of selected coatings for protection against UV radiation in glass fiber reinforced composites (GFRP) J. Smoleń, K. Bechcińska, W. Smok, P. Olesik, K. Stępień	65
Use of computed tomography to assess quality and structure of curved CFRP laminate samples produced by autoclave technology B. Helizanowicz, D. Helizanowicz, Ł. Krzemiński, G. Matula	72