



Table of contents

Editorial	i
Table of contents	iii
1. The effects of oil additives and mating materials to the friction, wear and seizure characteristics of a-C:H coating Akobuche W. Chikezie, Chinwuba Victor Ossia	1
2. Initiation of fretting fatigue scar of Ti-6Al-4V alloy dependent on the influence of its surface roughness Lucian Capitanu, Liliana-Laura Badita, Virgil Florescu	19
3. Superlubricity behavior of surfactant micelles at the nanoscale Jinjin Li, Jianfeng Li	39
4. Parametric investigations of short length hydro-dynamically lubricated conical journal bearing Ajay K. Gangrade, Vikas M. Phalle, S. S. Mantha	57
5. Effect of slip/no-slip on finite slider bearing using non-Newtonian micropolar fluid Pentyala S. Rao, Santosh Agarwal	79
6. Tool wear propagation in Ti6Al4V laser assisted micro milling using micro ball end mill Zazuli Mohid, E. A. Rahim	88
7. Tribological evaluations of modified RBD palm olein-based lubricants in machining processes T. Norfazillah, S. A. S. Amiril, E. A. Rahim, A. C. G. Saiful, S. Syahrullail	98
8. The influence of friction force on sliding stability of controlled multibody systems – CNC machine tool Thi-Na Ta, Yunn-Lin Hwang, Jeng-Haur Horng	107
9. Aptness of kenaf powder as a friction modifier in the fabrication of brake friction material by powder metallurgy route R. J. Talib, M. A. Selamat, N. A. Nordin, A. Jumahat, H. Sharudin, A. M. Zaharudin	121

10. Preparation and dispersion stability of graphite nanoparticles in palm oil	
N. F. Azman, S. Syahrullail, E. A. Rahim	132