

Published Papers

The following research papers based on my research work are published in different journals.

- (1) Mathematical analysis of newly designed two porous layers slider bearing with a convex pad upper surface considering slip and squeeze velocity using ferrofluid lubricant, *International Journal of Mathematical Modelling & Computations*, 4(2), 93-101 (2014), ISSN: 2228-6225.
- (2) On the squeeze film characteristics between a sphere and a flat porous plate using ferrofluid, *Applied Mathematical Modelling*, 40, 2473-2484 (2016), ISSN: 0307-904X, <http://dx.doi.org/10.1016/j.apm.2015.09.042>.
- (3) Some porous squeeze film-bearings using ferrofluid lubricant: A review with contributions, *Journal of Engineering Tribology*, 230(9), 1157-1171(2016), ISSN: 1350-6501, <http://pij.sagepub.com/lookup/doi/10.1177/1350650116629096>.
- (4) Effect of pressure difference at the film-porous interface on ferrofluid lubricated squeeze-film bearing. (*Communicated to Journal of the Brazilian Society of Mechanical Sciences and Engineering.*)