

MOHD FADZLI BIN ABDOLLAH, Dr.Eng.

ASSOC. PROF. / DEPUTY DEAN (RESEARCH & POSTGRADUATE STUDIES)

Faculty of Mechanical Engineering,
Universiti Teknikal Malaysia Melaka,
Hang Tuah Jaya, 76100 Durian Tunggal,
Melaka, Malaysia.

Tel : +606 234 6805/6914

Fax : +606 234 6884

E-mail : mohdfadzli@utem.edu.my

URL: www.mohdfadzli.com



EDUCATION
<ul style="list-style-type: none">• Dr.Eng. (Nagoya University, Japan) - 2011• M.Eng. (Universiti Kebangsaan Malaysia, Malaysia) - 2005• B.Eng. (Universiti Kebangsaan Malaysia, Malaysia) - 2004
FIELD OF SPECIALIZATION
Tribology (Friction and Wear of Eco-Materials); Surface Engineering
SELECTED PROFESSIONAL APPOINTMENTS
<ul style="list-style-type: none">• Deputy Dean (Research & Postgraduate Studies), UTeM: 2016 – 2018• Secretary, Malaysian Tribology Society: 2015 – 2017• Executive Member, Society of Engineering Education Malaysia: 2015 – 2017• Manager, Centre of Excellence, UTeM: 2013 – 2015• Head of Department (Diploma Studies), UTeM: 2012 – 2013• Editor-in-Chief (2017 – 2019):<ul style="list-style-type: none">○ Jurnal Tribologi (ISI; ISSN: 2289-7232)• Chief Guest Editor:<ul style="list-style-type: none">○ Journal of Materials Research (IF=1.579; ISI Q2; ISSN: 0884-2914)○ Transactions of the IMF (IF=0.688; ISI Q2; ISSN: 0020-2967)○ Composite Interfaces (IF=1.046; ISI Q3; ISSN: 0927-6440)○ Industrial Lubrication and Tribology (IF=0.406; ISI Q4; ISSN: 0036-8792)○ International Journal of Materials and Product Technology (IF=0.365; ISI Q4; ISSN: 0268-1900)• Chairman:<ul style="list-style-type: none">○ Malaysian International Tribology Conference 2015 (MITC2015), Malaysia○ Malaysia-Japan International Symposium on Tribology Technology 2016 – Part 2, Malaysia• International Scientific Committee:<ul style="list-style-type: none">○ International Tribology Conference 2015 (ITC2015), Japan○ International Conference on Tribology 2015 (TURKEYTRIB'15), Turkey• Keynote Speaker, SAKURA Symposium 2017, Nagoya, Japan• Invited Speaker, JAST Tribology Conference 2014, Tokyo, Japan
PROFESSIONAL EXPERIENCES
<ul style="list-style-type: none">• Tutor, Universiti Kebangsaan Malaysia: 2004 – 2005• Package Development Engineer, Vishay Semiconductor (M) Sdn. Bhd.: 2005 – 2005
TEACHING
<ul style="list-style-type: none">• Undergraduate level:<ul style="list-style-type: none">○ Tribology; Automotive Technology; Vehicle Structure Analysis; Mechanics of Machines; Automotive Laboratory; Engineering Graphics; CES Edupack Module• Postgraduate level:

<ul style="list-style-type: none"> ○ Failure Mechanics; Project Management; Research Project; Master Project
POSTGRADUATE SUPERVISION
<ul style="list-style-type: none"> • Main supervisor: Ph.D (1 completed, 1 in progress); Master by research (4 completed, 3 in progress); Master by mixed-mode (1 completed); Master by taught course (2 completed) • Co-supervisor: Ph.D (2 in progress); Master by research (3 in progress); Master by taught course (1 completed)
SELECTED GRANTS
<ul style="list-style-type: none"> • International level: <ul style="list-style-type: none"> ○ TWAS-COMSTECH Joint Research Grants (USD8,000) – Project leader: Experimental investigation to the effect of nano-based engine oil on performance and emission characteristics of a diesel engine, 2013 – 2014 • National level: <ul style="list-style-type: none"> ○ FRGS (117,200) – Project leader: Synthesis of graphene film from palm kernel activated carbon using chemical vapor deposition for durability control, 2016 - 2018 ○ TD-FRGS (RM443,280) – Program leader: New strategies for energy saving: The future focus on energy efficient vehicles (EEVs) in Malaysia, 2013 – 2016 ○ ERGS (RM100,000) – Project leader: A comparative study of tribological behaviour of new palm shell activated carbon reinforced aluminum matrix composite (PSAC-Al) in different environmental conditions, 2013 - 2016
SELECTED PAPER PUBLICATIONS (Scopus H-index: 6) - 23 ISI; 25 Scopus; 1 other
<ol style="list-style-type: none"> 1. Abdullah, M.I.H.C., Abdollah, M.F.B., Amiruddin, H., Tamaldin, N. & Mat Nuri, N.R. (2016). Effect of hexagonal boron nitride nanoparticles as an additive on the extreme pressure properties of engine oil. <i>Industrial Lubrication and Tribology</i>, 68(4), 441-445. (IF=0.406). 2. Shuhimi, F.F., Abdollah, M.F.B., Kalam, M.A., Masjuki, H.H., Mustafa, A. & Amiruddin, H. (2016). Tribological characteristics comparison for oil palm fibre/epoxy and kenaf fibre/epoxy composites under dry sliding conditions. <i>Tribology International</i>, 101, pp. 247-254. (IF=2.259). 3. Tahir, N.A.M., Abdollah, M.F.B., Hasan, R. & Amiruddin, H. (2016). The effect of sliding distance at different temperatures on the tribological properties of a palm kernel activated carbon–epoxy composite. <i>Tribology International</i>, 94, 352-359. (IF=2.259). 4. Mustafa, A., Abdollah, M.F.B., Shuhimi, F.F., Ismail, N., Amiruddin, H. & Umehara, N. (2015). Selection and verification of kenaf fibres as an alternative friction material using Weighted Decision Matrix method. <i>Materials & Design</i>, 67, 577-582. (IF=3.997).
INTELLECTUAL PROPERTIES
<ul style="list-style-type: none"> • CRLY00004439(Copyright) –Agro-waste for sustainable self-lubricating materials(granted) • CRLY00001905 (Copyright) – Emerging Lubrication Technology for Ball Bearings (granted) • CRLY00001905 (Copyright) – Nano-oil for a Greener Future (granted)
SELECTED AWARDS & RECOGNITIONS
<ul style="list-style-type: none"> • Outstanding Paper Award 2017 (Industrial Lubrication and Tribology Journal) by Emerald Publishing Limited, UK • Best Tribology Paper Award - APSIM2016 • Excellence Service Award 2015 - UTeM • Winner, University Academic Award 2015 - Quality Paper Award
PROFESSIONAL AFFILIATIONS
Materials Research Society (USA); Society of Tribologists and Lubrication Engineers (USA); The Institution of Engineers Malaysia (MALAYSIA); Board of Engineers Malaysia (MALAYSIA), Malaysian Tribology Society (MALAYSIA); Society of Engineering Education Malaysia (MALAYSIA)