

MARIYAM JAMEELAH GHAZALI

Professor

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Date of birth: 16th March 1975



FIELD OF SPECIALISATION

- Wear of materials
- Surface engineering
- Materials processing

EDUCATION AND ACADEMIC QUALIFICATION

- | | | |
|-------------------------------|---------------------------------|------|
| • University of Sheffield, UK | Ph.D.m(Materials Eng.) | 2005 |
| • Universiti Sains Malaysia | M.Sc. (Materials Eng.) | 2000 |
| • Universiti Sains Malaysia | B. Eng. (Hons) (Materials Eng.) | 1999 |

PROFESSIONAL AFFILIATIONS

- Vice President, Asia Tribology Council (2018-2022)
- Secretary & Life Member, Malaysian Tribology Society (MYTRIBOS) (2007-to date)
- Associate Member, Institute of Materials Malaysia (IMM) (2006-to date)
- Council Member, Asia Tribologists (ASIATRIB) (2007-to date)
- Graduate Member, Board of Engineers Malaysia (August 2008-to date)
- Life Member, Electron Microscopy Society of Malaysia (EMSM) (2006-to date)
- Committee, Scientific Research for Perbadanan Adat Melayu dan Warisan Negeri Selangor (PADAT) (2010 - to date).
- Member, Working Group of PVC-P pipes & Fittings for SIRIM (2006-2009)
- Member, Technical Committee on Fine Ceramics for SIRIM (2007-to date)
- Member, Working Group of Eco-labelling criteria for adhesives and water-based adhesives (WG/Z/9-5) SIRIM (2010- to date)
- Member, Institute of Materials (IOM) UK (2003-2006)
- Member, Society of Tribology & Lubricant Engineers (STLE) (2005-2007)
- Member (Student Pilot), Malaysian Experimental Aircraft Association (MEAA) (2003-2004).
- Member, Advanced Materials Processing & Integrity (AMPI) Group, UKM (2007-to date).
- Member, Malaysian Society for Engineering & Technology (MySET)

CAREER HISTORY IN UKM

- Professional Engineer Training at Tenaga Nasional Berhad Research (2017-2018)

- Visiting Professor at Nagaoka University of Technology (March- April 2018)
- Chief Editor of *Jurnal Kejuruteraan* (Journal of Engineering): 2015 – 2017.
- Coordinator (Coursework) Graduate Studies of Mech. & Mater. Engineering, UKM: 2012 – 2015
- Associate Professor of Dept. of Mech. & Mater. Engineering, UKM: 2010 – present
- Coordinator (Research) Graduate Studies of Mech. & Mater. Engineering, UKM: 2010 – 2012
- Senior Lecturer of Dept. of Mech. & Mater. Engineering, UKM: 2007 – 2010
- Lecturer of Dept. of Mech. & Mater. Engineering, UKM: 2005 – 2007
- Tutor of Mech. & Mater. Engineering, UKM: 2002 – 2005
- Lecturer of College of Engineering, Universiti Tenaga Nasional : 2000 – 2001

SELECTED PROFESSIONAL APPOINTMENTS

- Reviewing Committee of World Tribology Conference 2013.
- Secretariat of International Conference on Fracture and Strength of Solids 2010.
- Chairperson of Regional Tribology Conference 2010.
- Secretariat of Malaysian International Tribology Conference 2013 & 2015.
- Scientific Panel, Student Assessment Centre for JPA Sponsorship 2013 & 2015.
- Technical Panel, National Science Foundation by MOSTI 2010 & 2015
- Chief Editor, *Ensiklopedia Kejuruteraan Alam Melayu (ATMA)* 2013
- Chief Editor, *Jurnal Kejuruteraan (UKM)* 2015 – 2017.
- Co-Founder & Secretary for Malaysian Tribology Society (MYTRIBOS) (2007-to date)
- Chairperson of Materials Lecture Competition Malaysia (University – National level) 2015 – to date.
- International Advisory Board of International Tribology Conference 2015
- Professional Engineer Training at Tenaga Nasional Berhad Research (2017-2018)
- Visiting Professor at Nagaoka University of Technology (March- April 2018)
- Vice President, Asia Tribology Council (Sept 2018-2022)

SELECTED RESEARCH AWARD & RECOGNITION

- 2nd Best poster competition, 14th International Conference of Wear of Materials (WOM) by Elsevier Inc., Washington D.C., 2003.
- Travel Grants to 15th International Conference of Wear of Materials (WOM) in San Diego, USA by the Royal Academy Engineering U.K., 2005.
- Travel Grants, International Nanotribology Forum: The Hoi An Discussion, Hoi An, Vietnam by Nanosurf AG Switzerland, 2007.
- 2nd Runner up in KIK Competition on Multi Purpose ENT Scope Storage, 27 October 2010, Universiti Kebangsaan Malaysia.
- Silver Medal, Malaysia Technology Expo (MTE) 2011
- Gold Medallist in Shell Eco-Marathon 2010 – Best Alternative Fuel
- 2nd Runners Up in Best Engineering & Design Award– Perodua Eco Challenge 2012.
- Top 4: Best Research 2010 (Fundamental Research Grant Scheme) – Ministry of Higher Education.
- Excellent Tribology Paper Award, Japanese Society of Tribologists, 2016.

- Best Tribology Poster Award, Anton Paar (M), 2016.
- Gold, Invention, Innovation & Design Exposition UiTM 2016-2018.
- Silver, Science, Technology and Engineering Expo Unimas 2016.
- Sakura Science Scholarship for Research Supervision, Japanese Science & Technology (JST) 2016.
- Top 20 National Blue Ocean (NBOS) Competition 2016.
- Excellent Service Award 2007 (ref: UKM(S)3.6/111/137 Jld. 25 dated 30 Jun 2008)
- Excellent Teaching Award, 2011. Universiti Kebangsaan Malaysia.
- Excellent Teaching Award, 2013. Universiti Kebangsaan Malaysia.
- Excellent Service Award UKM 2015
- Sponsorship to Young Persons' World Materials Lecture Competition in Dublin, IMM (Institute of Materials Malaysia) 2015.
- Guest Speaker, IQRA' TV, United Kingdom 2015
- Keynote Speaker, Malaysia-Japan Tribology Symposium, Malaysia 2014
- Keynote Speaker, International Symposium on Advanced Materials in Defence, Indonesia, 2014.
- Keynote Speaker, International Tribology Workshop, India, 2019.

SUPERVISION OF POSTGRADUATE STUDIES

No. of students					
Ph.D.		M.Sc.		M.Eng.	
In Progress	Graduated	In Progress	Graduated	In Progress	Graduated
7	19	3	13	2	15

PUBLICATION (current H-index: 22 – google.scholar) *since 2010

Year	Journal Citation Report (JCR)				
	Q1	Q2	Q3	Q4	Total
2010	2	-	1	-	3
2011	1	-	1	-	2
2012	-	2	-	1	3
2013	5	3	-	1	9
2014	4	-	1	-	5
2015	2	-	1	2	5
2016	3	3	3	1	10
2017	12	3	1	1	17
2018	7	1	-	1	9
2019	4	1	-	1	6

INTELLECTUAL PROPERTY

- Laminated Ceramic Crown Engine Piston: PI 2012700797.
- Ergonomic Ballistic Body Armour (ENTRAP): (PN)MY-155730-A
- Sterilizing unit with built in timer for endoscope holder: UKM1.42/91/6/373.
- StepEase: Offloading Microball Footwear for diabetese: UKM IKB/108/2/1411.
- ReCAR: UKM IKB/108/2/663
- Orthopedic Implant & Method: MY-148588-A
- Method for forming Titanium Alloy: MY-150484-A