



KEY AMAL INDICATOR (KAI)

Name	Ts. Dr. NURHAZIMAH NAZMI		
Address	Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia, Kuala Lumpur		
Email	nurhazimah@utm.my	Telephone number	H/P: +6012-700 1260
Expertise	Biomedical engineering, machine learning, signals processing, magnetorheological materials, and assistive devices.		

No.	Year	Qualifications	University / Institution
5	2020	Professional Technologist (Ts.)	Malaysian Board of Technologist
4	2018	Ph.D (Biomedical engineering)	Universiti Teknologi Malaysia, Malaysia
3	2016	Research Exchange	Shibaura Institute of Technology, Japan
2	2014	Master of Science (Mathematics)	Universiti Teknologi Malaysia, Malaysia
1	2012	Bachelor of Science (Mathematics)	Universiti Sains Malaysia, Malaysia



Teaching

	Undergraduate Degree
Credit Hours	48

Supervision

Programme	Role	Graduated	GOT	On-Going
Ph.D.	Main Supervisor	0	0	2
	Co-Supervisor	0	0	4
Masters (by research)	Main Supervisor	0	0	6
	Co-Supervisor	0	0	2

Examiner - Thesis

Programme	External	Internal
Ph.D.	0	0
Masters (by research)	0	0

Speaker

Type	International	National
Plenary / Keynote	0	0
Invited	1	1

Research Grant

Role	Total Amount (RM)	Active Grant (RM)	Completed Grant (RM)
Principal Researcher	157 400	157 400	0
Co-Researcher	478 400	478 400	0
Grand Total	635 800	635 800	0

Collaboration

	MOU / NDA	MOA / CA	LOI
National	1	1	1
International	1	0	1

Intellectual Property (IP)


Type	Granted	Filed / Registered
Patent	0	2
Copyright	2	2

Publication

as at 30/11/2020	Google Scholar	Scopus	ISI (WoS)
Identification	Nurhazimah Nazmi	ID: 7188762566	ID: X-1712-2019
h-indexed	6	5	4
Citations	262	168	109



PERSONAL DETAILS

Name	Ts. Dr. NURHAZIMAH NAZMI Ph.D, PTech		
Gender	Female		
Date of Birth	23 November 1990		
Nationality	Malaysia		
Marital Status	Single		
Address	Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia, Jalan Sultan Yahya Petra, 54100 Kuala Lumpur, Malaysia		
Telephone number	Office: +603-2203 1298	H/P: +6012-7001260	
Email	nurhazimah@utm.my		
Website	https://people.utm.my/nurhazimah/		
ID Staff	15355		
Expertise	Biomedical engineering, machine learning, signals processing, magnetorheological materials, and sensors.		

ACADEMIC QUALIFICATIONS

No.	Level of Education	Course	University	Starting Date	Ending Date
3	PhD	Doctor of Philosophy (Research)	Universiti Teknologi Malaysia	09/2014	01/2018
2	Master	Master of Science (Mathematics)	Universiti Teknologi Malaysia	09/2012	05/2014
1	Degree	Bachelor of Science (Mathematics)	Universiti Sains Malaysia	09/2009	05/2012

AWARD AND HONORS RECEIVED

Awards

No.	Award	Level	Year
11	Outstanding Technical Paper Award based on Published Journal 2020 entitled " <i>Effects of Corrosion Rate of the Magnetic Particles on the Field-Dependent Material Characteristics of Silicone Based Magnetorheological Elastomers</i> " by N.L. Burhannuddin, N.A. Nordin, S.A. Mazlan, S.A.A. Aziz, S.B. Choi, N. Kuwano, N. Nazmi and N. Johari, Society of Automotive Engineers (SAE) International, Malaysia	National	2020
10	Best Paper Award in General Engineering Category, entitled " <i>Sensor Number Optimization using Neural Network for Ankle Foot Orthoses Equipped with Magnetorheological Brake</i> ", The 6th International Conference and Exhibition on Sustainability Energy and Advanced Materials (6th ICE-SEAM 2019), Solo Indonesia	International	2019
9	Best Paper Award in Signal Processing Category, entitled " <i>Generalization of ANN in classifying stance and swing phases of gait based on EMG signals</i> ", IEEE-EMBS Conference on Biomedical Engineering and Sciences, Kuching, Malaysia	International	2018
8	Alumni Academic Award in Biomedical Engineering studies in conjunction with the 61 st UTM Convocation Ceremony	University	2018
7	Best Postgraduate Student Award in Doctor of Philosophy based on excellent academic achievement in conjunction with the 61 st UTM Convocation Ceremony	University	2018
6	Excellent Oral Presentation in 6 th International Workshop on Computer Science and Engineering, Tokyo, Japan.	International	2016
5	Research Exchange Scholarship from Shibaura Institute of Technology (SIT), Saitama, Japan.	International	2016
4	PhD's MJIIT Scholarship from Malaysia-Japan International Institute of Technology (MJIIT), UTM	University	2014
3	MyMaster Scholarship from Ministry of Education Malaysia	National	2012

2	Half Colour Award (Bowling) from Universiti Sains Malaysia (USM)	University	2012
1	First Degree Scholarship , Public Servant Department, Malaysia	National	2009

Exhibitions / Medals

		Special Awards	Gold	Silver	Bronze	Other Awards
International	Leader	0	0	0	0	0
	Member	0	0	0	0	0
National	Leader	0	0	0	3	0
	Member	1	1	0	0	0

Project Leader

No.	Award	Level	Year
3	Bronze Prize , INATEX'20. <i>Intelligent Actuators</i> . Industrial Art and Technology Exhibition (INATEX), UTM, Malaysia	University	2020
2	Bronze Prize i-STEEX, <i>Intelligent Hydrogel Plastomer</i> . International Science Technology and Engineering Expo (i-STEEX) 2020, Universiti Malaysia Sarawak (UNIMAS), Malaysia	National	2020
1	Third Prize (Electronics and ICT Field) , <i>Low-cost 2in1 force sensor</i> . Technology Seeds Competition, MJIT and Japanese International Cooperation Agency (JICA), Malaysia	National	2019

Team Member

No.	Award	Level	Year
2	Special Industry Award , INATEX'20. <i>Smart Sound Controller</i> . Industrial Art and Technology Exhibition (INATEX), UTM, Malaysia	University	2020
1	Gold Prize , INATEX'20. <i>Smart Sound Controller</i> . Industrial Art and Technology Exhibition (INATEX), UTM, Malaysia	University	2020

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Professional Membership

No.	Name of Professional Membership	Level	Role	Year
2	PT20010024 . Malaysian Board of Technologist	National	Professional Technologist (Ts.)	2020
1	96579616 . IEEE members	International	Member	2020

Recognition

No.	Appointment	Level	Year
4	Reviewer , Biomedical Engineering Online, California	International	2020
3	Reviewer , IEEE Access, United States	International	2020
2	Visiting Researcher , Lab Vibration and Maintenance, Department of Mechanical Engineering, Universitas Sebelas Maret (UNS), Indonesia	International	2019
1	Visiting Researcher , National Rehabilitation Centre for Persons with Disabilities at Tokorozawa, Japan	International	2016

WORKING EXPERIENCE

No.	Position	Starting Date	Ending Date	Department
8	Part Time Tutor	01/02/2019	22/04/2019	Faculty of Engineering and Built Environment , Universiti Kebangsaan Malaysia (UKM), Bangi, Malaysia.
7	Part Time Lecturer	01/09/2018	31/03/2019	Mechanical Precision Engineering Department, Malaysia-Japan International Institute of Technology (MJIT), UTM, Kuala Lumpur
6	Research Student advisor	01/04/2018	31/08/2018	Advanced System Engineering Research Group, Malaysia-Japan International Institute of Technology, Universiti

				Teknologi Malaysia, Kuala Lumpur, Malaysia.
5	Exchange Student	31/01/2016	31/01/2017	Department of Bioscience and Engineering, Shibaura Institute of Technology (SIT), Saitama, Japan.
4	Postgraduate Student (Ph.D.)	07/09/2014	24/09/2018	Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia.
3	Administrative Assistant	01/05/2014	31/08/2014	Unit Rekod Perubatan, Hospital Sultanah Aminah Johor Bahru, Johor, Malaysia. Responsible in filling patient's diagnoses and medical terms based on International Statistical Classification of Diseases and Related Health Problems (ICD)
2	Tutor	01/01/2014	31/04/2014	Pusat tuisyen Saya Genius. Johor, Malaysia.
1	Industrial Training	15/06/2011	31/08/2011	Unit Rekod Perubatan, Hospital Sultanah Aminah Johor Bahru, Johor, Malaysia. Responsible in recording patient admission and discharge processes using electronic medical records (EMR) software.

FACULTY APPOINTMENT COMMITTEE

No.	Name of Committee	Role	Starting Date	Ending Date
10	MJIIT Appreciation Day 2020	Member	06/08/2020	30/09/2020
9	Project Report for Master of Technology and Innovation Management for Nur Dalila Rahmad and Muhammad Asri Ramli	Chairman	24/06/2020	24/06/2020
8	Project Report for Master of Technology and Innovation Management for Mohd Izzat Latif, Mohd Noramin Khalid and Hazrul Hisham Ghazali	Panel	24/06/2020	24/06/2020
7	Final Examination Papers Sem 1, 2 and 3	Moderator	08/09/2019	30/09/2020
6	UTMKL Sports Carnival Badminton	Representative	26/11/2019	26/11/2019
5	Invitation to Kemubu Agricultural Development Authority, Kelantan, Malaysia	Representative	26/09/2019	26/09/2019
4	Family day UTM, Johor Bahru	Representative	13/08/2019	13/08/2019
3	Viva-Voce for Doctor of philosophy Candidate, Ilanur Muhaini Mohd Noor.	Assistant chairman	01/06/2020	01/06/2020
2	First Stage Evaluation Seminar for Siti Khumaira Mohd Jamari, PhD.	Internal examiner	19/11/2019	19/11/2019
1	Project Report 1 for Master of Technology and Innovation Management for Noranita Abdullah, Razinah Jahan Mohamed Rabik, Mohd Izzat Latif and Muhammad Asri Ramli.	Chairman	14/06/2019	14/06/2019

UNIVERSITY APPOINTMENT COMMITTEE

No.	Name of Committee	Role	Starting Date	Ending Date
6	Industrial Training for Muhammad Iman Ilyas Razali (2017863566), Universiti Teknologi Mara (UiTM)	Supervisor	21/01/2020	13/03/2020
5	Workshop on assistant chairman for viva-voce, UTM	Member	18/05/2020	18/05/2020
4	Supervisory Development Program Level 2 (AS102), UTM	Member	04/09/2019	05/09/2019
3	Baseline Competencies for Differentiated Career Pathway (BC4DCP) Programme	Member	13/08/2019	03/09/2019
2	Postgraduate Open Day UTMKL	Member	04/08/2019	04/08/2019
1	Final Examination Semester 2 2018/2019	Invigilator	17/05/2019	17/05/2019

INTERNATIONAL APPOINTMENT COMMITTEE

No.	Name of Committee	Role	Starting Date	Ending Date
10	Pattern and Applications, PAAA-D-20-00261, Switzerland	Reviewer	04/11/2020	04/01/2021
9	IEEE Access, Access-2020-48356, United States	Reviewer	17/05/2020	17/05/2020

8	IEEE Access, Access-2020-23270, United States	Reviewer	17/05/2020	17/05/2020
7	BioMedical Engineering OnLine, BMEO-D-20-00119 California	Reviewer	10/05/2020	10/05/2020
6	6 th International Conference and Exhibition on Sustainable Energy and Advanced Materials (ICE-SEAM), Surakarta, Indonesia	Reviewers and Moderator	01/10/2019	31/10/2019
5	7 th AUN/SEED-NET Regional Conference on Natural Disaster (RCND) 2019, Zenith Hotel, Putrajaya, Malaysia	Committee Member	11/07/2019	31/11/2019
4	IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES), Sarawak, Malaysia	Committee Member and Reviewers	22/11/2018	31/12/2018
3	Global Learning Commons, SIT, Japan	International Committee Member	01/04/2016	31/01/2017
2	Launching Ceremony of Global Mobility Program – The Jukebox Concept UTM	International Speaker	24/11/2016	24/11/2016
1	6 th International Workshop on Computer Science and Engineering (WCSE), Japan	Reviewer	29/04/2016	29/04/2016

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

No.	Name of Activities	Role	Starting Date	Ending Date
8	Rising of Advance Technology in Entertainment and Life Science focusing on VICON Motion Capture, Malaysia	Participant	27/11/2018	28/11/2018
7	Ethical Approval Application Workshop, Malaysia	Participant	06/04/2018	06/04/2018
6	Malay language workshop for local and international students in SIT, Japan	International Committee	01/06/2016	31/07/2016
5	Workshop in Academic Writing and Publishing, Universiti Kebangsaan Malaysia (UKM)	Participant	09/12/2015	09/12/2015
4	Nerve Conduction Study / Electromyography Workshop organized by Division of Neurology, University Malaya (UM) Medical Centre and Clinical Neurophysiology Section, Malaysia	Participant	01/12/2015	02/12/2015
3	Olimpiad Matematik Kebangsaan, Persatuan Sains Matematik Malaysia (PERSAMA)	Committee	01/10/2014	31/10/2014
2	Persatuan Sains Matematik, USM	Secretary	01/09/2010	31/08/2011
1	D'sukres, Majlis Perwakilan Desasiswa Saujana, USM	Committee	01/09/2009	31/08/2010

RESEARCH ACTIVITIES

	Total Amount	Active Grant	Completed Grant
Principal Researcher	RM 157 400	RM 142 400	RM 15 000
Co-Researcher	RM 478 400	RM 478 400	0
Grand Total	RM 635 800	RM 635 800	RM 15 000

Principal Investigator

Active – RM 157 400

No.	Grant	Type	Amount (RM)	Starting Date	Ending Date	Vot No
3	Fundamental Research Grant Scheme. N. Nazmi , S.A. Mazlan, N.A. Nordin, E.F. Shair and I. Bahiuddin, A field-dependent rheological model of magnetorheological grease with different types of oils using machine learning approach for future assistive device in rehabilitation	KPT / FRGS	122 400	01/11/2020	31/10/2020	5F351
2	UTM Encouragement Research. N. Nazmi , S.A. Mazlan, N.A. Nordin, N. Johari and M.A.A. Rahman, Feature Selection of EMG Signals During Stance and Swing Phases for Controlling Magnetorheological Brake Applications	RUG / UTMER	15 000	01/11/2019	30/04/2022	18J26
1	UTM- Collaborative Research Grant CRG22.4	RUG /	20 000	01/11/2019	30/04/2022	4B473

	Effect of Different Shape Carbonyl Iron Particles Towards Field-Dependent Viscoelastic and Transient Response of Magnetorheological Greases. N. Nazmi , S.A. Mazlan, M.A.A. Rahman and N.A. Nordin. Collaborator Universiti Teknologi Petronas (UTP) - Dr. Nurul Azhani Yunus	CRG				
--	---	-----	--	--	--	--

Co-Researcher

Active – RM 478 400

No.	Grant	Type	Amount (RM)	Starting Date	Ending Date	Vot No
9	Research University Grant. M.A.A.Rahman, N. Nazmi , S.A. Mazlan, W.J. Yahya, H. Zamzuri and M.H.M. Ariff, Scenario Based Assessments For Autonomous Emergency Steering In Asean Ncap.	RUG/ Others	15 400	01/08/2020	31/07/2021	4B600
8	Industry-International Incentive Grant. S.A. Mazlan, N. Nazmi and N.A. Nordin. Modification Of The Bending Properties Of Pu Headlining For Vehicle Manufacturing Industry	RUG/ IIG	10 000	01/08/2020	31/07/2021	02M47
7	Contract Research Grant. S.A. Mazlan, N. Nazmi , N.A. Nordin and S.A.A. Aziz. Modification of PU Headlining for SUV Perodua (Project 1 – Headlining)	Industry / CR	25 000	01/06/2020	30/11/2020	4C360
6	UTM Shine. M.A.A.Rahman, N. Nazmi , S.A. Mazlan. W.J. Yahya, A.M. Ithnin and M.H.M. Ariff, Photovoltaic Thermoelectric System for Indoor Farming Application	GUP / UTMShine	40 000	01/03/2020	31/08/2022	09G22
5	UTM Prototype Research Grant. S.A. Mazlan, H. Yahaya, M.A.A. Rahman, N. Johari, N. Nazmi and N.A. Nordin. Prototype Semi-Active Magnetorheological Elastomer Bushing for Automotive Application	RUG / UTMPR	80 000	01/01/2020	30/06/2022	00L46
4	Prototype Development Research Grant Scheme. S.A. Mazlan, N.A. Nordin, N. Nazmi and N. Johari. Prototype of Semi-Active MRE Engine Mounting for Automotive Application	KPT / PRGS	168 000	01/12/2019	28/02/2022	4L712
3	UTM Collaborative Research Grant. S.A. Mazlan, N.A. Nordin, N. Johari and N. Nazmi . UTM-CRG22.0: Field Dependent Properties of Smart Grease for Controlling Ankle Foot Orthosis. Collaborators: H.A. Rahman (UTHM), S.N. Aqida (UMP) and N.A. Yunus (UTP). I. UTM-CRG22.1 (Vot No. 08G79): (RM 40,000) Sedimentation Stability Augmentation Using Bidisperse Magnetic Particles in Magnetorheological Grease. S.A. Mazlan, W.J. Yahya, N. Johari, N. Nazmi , and N.A. Nordin. II. UTM-CRG22.2 (Vot No. 4B461): (RM 20,000) Synthesize of Dual Properties Cobalt-Ferrite Particles for MR Materials. N.A. Nordin, S.A. Mazlan, A.M. Ithnin, N. Nazmi and N. Johari. Collaborator: Universiti Tun Hussein Onn Malaysia (UTHM) - AP. Dr. Hamimah Abd Rahman III. UTM-CRG22.3 (Vot No. 4B462): (RM 20,000) Growth of Polymer Coating on the Magnetic Particles of Carbonyl Iron for MR Materials. N. Johari, S.A. Mazlan, M.H.M. Ariff, N.A. Nordin and N. Nazmi . Collaborator: Universiti Malaysia Pahang (UMP) - AP. Dr. Syarifah Nur Aqida Syed Ahmad	RUG / CRG	80 000	01/11/2019	30/04/2022	08G78
2	UTM Encouragement Research. N. Johari, N.A.	RUG /	30 000	01/11/2019	30/04/2022	17J73

	Nordin, N. Nazmi and S.A. Mazlan. Development of Self-Healing Nanocoating for Anticorrosion	UTMER				
1	UTM Transdisciplinary Research Grant. UTM-TDR28.4 (T2) Effect of Corroded Carbonyl Iron Particles to the Performance of Magnetorheological Elastomer. N.A. Nordin, N. Nazmi , S.A. Mazlan and S.L. Kamis	RUG / TDR	30 000	01/12/2018	31/05/2022	07G13

COLLABORATION

	MOU / NDA	MOA / CA	LOI
National	1	1	1
International	1	0	1

No.	Name of Collaborator	Type	Level	Starting Date	Ending Date
5	Department of Mechanical Engineering, Vocational College Universitas Gadjah Mada, Indonesia Project: Rheological Properties of Magnetorheological Grease	LOI	International	01/11/2020	31/10/2022
4	Centre for Robotics and Industrial Automation (CeRIA) Centre of Excellence (CoE)-CRIM, UTEM, Melaka Project: Development of Magnetorheological Brake for Ankle Foot Orthoses Applications	LOI	National	01/11/2020	31/10/2022
3	ARUS MR TECH Pvt Ltd., Chennai, India. Project: Advanced Materials Development for Vehicle Manufacturing Industry (Vibration)	NDA	International	22/06/2020	21/06/2025
2	Universiti Tun Hussein Onn Malaysia (UTHM), Universiti Malaysia Pahang (UMP), Universiti Teknologi Petronas (UTP) Project: Field Dependent Properties of Smart Grease for Controlling Ankle Foot Orthoses	MOA	National	01/11/2019	31/10/2021
1	WSA Engineering Sdn. Bhd. Project: Advanced Materials Development for Vehicle Manufacturing Industry (Noise and vibration).	NDA	National	05/09/2019	04/09/2024

TEACHING ACTIVITIES

Level	Course	Credit Hour
Degree	Engineering statistics	7 (3) = 21
	Numerical methods	3 (3) = 9
	Engineering mathematics 2	4(3)=12
	Probability & Statistical Data Analysis	1 (3) = 3
	Engineering mathematics 1	1(3)=3
Total Credit Hours		48

Semester	Code	Course	Credit Hour	Semester	Code	Course	Credit Hour
202020211	SMJM 3053	Numerical methods	3	201920201	SMJM 1023	Engineering mathematics 2	3
202020211	SMJM 3053	Numerical methods	3	201920201	SMJM 1023	Engineering mathematics 2	3
201920203	SMJM 1013	Engineering mathematics 1	3	201920201	SMJM 3053	Numerical methods	3
201920202	SECI 1143	Probability & Statistical Data Analysis	3	201820193	SMJM 2043	Engineering statistics	3
201920202	SMJM 1023	Engineering mathematics 2	3	201820192	SMJM 2043	Engineering statistics	3
201920202	SMJM 1023	Engineering mathematics 2	3	201820192	SMJM 2043	Engineering statistics	3
201920202	SMJM 2043	Engineering statistics	3	201820192	SMJM 2043	Engineering statistics	3
201920202	SMJM 2043	Engineering statistics	3	201820192	SMJM 2043	Engineering statistics	3
Sub-Total Credit Hours 1			24	Sub-Total Credit Hours 2			24

Grand Total (Sub-Total Credit Hours 1 & 2)	48
---	-----------

SUPERVISION

Programme	Role	Graduated	GOT	On-Going
Ph.D (by Research)	Main Supervisor	0	0	2
	Co-Supervisor	0	0	4
Masters (by Research)	Main Supervisor	0	0	6
	Co-Supervisor	0	0	2

Main Supervisor – PhD by Research

Active (PhD by Research)

No.	Intake	Matrix No	Name
2	10/2020	PMJ203019	Muhammad Asyraf Tasin
1	02/2020	PMJ193043	Pang Zheng Bin

Main Supervisor – Master by Research

Active (Master by Research)

No.	Intake	Matrix No	Name
6	10/2020	MMJ203016	Dahlia Murni Binti Mohamad Noor
5	10/2020	MMJ203024	Muhammad Amirul Sunni Rohim
4	10/2020	MMJ203018	Nurul Farah Shamimi Amlee
3	02/2020	MMJ193051	Khairul Anwar Abdul Kadir
2	02/2020	MMJ193043	Nur'Alyaa Mohd Nasir
1	09/2019	MMJ193008	Nurhidayah Md Isa

Co-Supervisor – PhD by Research

Active (PhD by Research)

No.	Intake	Matrix No	Name
4	09/2019	PMJ193054	Kasma Diana Saharuddin
3	09/2018	PMJ183029	Norhaniza Rizuan
2	09/2018	PMJ183022	Afiq Azri Zainudin
1	09/2018	PRS183005	Mardhati Mahadi

Co-Supervisor – Master by Research

Active (PhD by Research)

No.	Intake	Matrix No	Name
2.	09/2019	MMJ193009	Muhammad Akif Muhammad Fakhree
1.	02/2019	MMJ183048	Siti Maisarah Ahmad Tarmizi

PUBLICATION

as at 30/11/2020	Google Scholar	Scopus	ISI (WoS)
Identification	Nurhazimah Nazmi	ID: 7188762566	ID: X-1712-2019
No. of Paper	24	19	14
h-Index	6	5	4
Citation	262	168	109

Accepted Manuscript

No.	Year / IF / Quartile	Paper
1	Scopus	M. Mahadi, N. Nazmi N.A. Bani, S.A.S.A. Rahman, N.M Noror, S.Z.A. Zainuddin, Electromyography (EMG) and hand gripping force during standing and sitting, 6th International E-Conference on Industrial, Mechanical, Electrical and Chemical Engineering (ICIMECE 2020)

Quartile 1

No.	Year / Impact Factor	Paper
8	2020 IF: 5.289	S.M.A. Tarmizi, N.A. Nordin, S.A. Mazlan, N. Mohamad, H.A. Rahman, S.A.A. Aziz, N. Nazmi and M.A. Azmi. Incorporation of Cobalt Ferrite on the Field Dependent Performances of Magnetorheological Grease. <i>Journals of Materials Sciences and Technology</i> , 9(6):15566-15574.
7	2020 IF: 3.426	N.M. Hapipi, S.A. Mazlan, K. Homma, S.A.A. Aziz, N.A. Nordin, I. Bahiuddin, N. Nazmi . The Rheological Studies on Poly (vinyl) Alcohol-Based Hydrogel Magnetorheological Plastomer. <i>Polymers</i> 12 (10), 2332-2347.
6	2020 IF: 3.613	K.D. Saharuddin, M.H.M. Ariff, I. Bahiuddin, S.A. Mazlan, S.A.A. Aziz, N. Nazmi , A.Y.A. Fatah and K. Mohamad. Constitutive Models for Predicting Field-Dependent Viscoelastic Behavior of Magnetorheological Elastomer using Machine Learning. <i>Smart Materials and Structures</i> , Vol. 29, No. 8, 087001.
5	2020 IF: 4.231	N. Razuan, S.A. Mazlan, S.A.A. Aziz, Ubaidillah, S.A.A. Aziz, N. Nazmi and N.A Yunus. Enhancement of sensitivity of magnetostrictive foam in low magnetic fields for sensor application. <i>Polymer</i> , vol 211, 123083.
4	2020 IF: 3.745	M.A.F. Johari, S.A. Mazlan, Ubaidillah, Harjana, S.A.A. Aziz, N.A. Nordin, N. Johari and N. Nazmi . An Overview of Durability Evaluations of Elastomer-Based Magnetorheological Materials. <i>IEEE Access</i> , 8, 134536-134552.
3	2020 IF: 3.613	N.L. Burhannuddin, N.A. Nordin, S.A. Mazlan, S.A.A. Aziz, S.B. Choi, N. Kuwano, N. Nazmi , and N. Johari. Effects of Corrosion Rate of the Magnetic Particles on the Field-Dependent Material Characteristics of Silicone Based Magnetorheological Elastomers. <i>Smart Materials and Structures</i> , Vol. 29, No. 8, 087003.
2	2020 IF: 4.556	N.M. Hapipi, S.A. Mazlan, Ubaidillah, S.A.A. Aziz, M.H.A. Khairi, N.A. Nordin and N. Nazmi . Solvent Dependence of the Rheological Properties in Hydrogel Magnetorheological Plastomer, <i>International Journal of Molecular Sciences</i> , Vol. 21, No. 5, 1793.
1	2016 IF: 2.677	N. Nazmi , M.A.A. Rahman, S.I Yamamoto, S.A. Ahmad, H. Zamzuri and S.A. Mazlan. A review of classification techniques of EMG signals during isotonic and isometric contractions. <i>Sensors</i> , vol. 16, issue. 8, pp. 1-28.

Quartile 2

No.	Year / Impact Factor	Paper
6	2020 IF : 3.057	N.S.Muhazeli, N.A. Nordin, U. Ubaidillah, S.A. Mazlan, S.A.A. Aziz, N. Nazmi , I. Yahya. Magnetic and Tunable Sound Absorption Properties of an In-Situ Prepared Magnetorheological Foam. <i>Materials</i> , 13, 5637.
5	2020 IF : 3.057	S.K.M. Jamari, N.A. Nordin, Ubaidillah, S.A.A. Aziz, N. Nazmi , and S.A. Mazlan. Systematic Review on the Effects, Roles and Methods of Magnetic Particle Coatings in Magnetorheological Materials. <i>Materials</i> , 13, 5317.
4	2020 IF: 2.474	A.A. Zainudin, N.A. Yunus, S.A. Mazlan, M.K. Shabdin, S.A.A. Aziz, N.A. Nordin, N. Nazmi and M.A.A. Rahman. Rheological and Resistance Properties of Magnetorheological Elastomer with Cobalt for Sensor Application. <i>Applied Sciences</i> , Vol. 10, No. 5, 1638.
3	2019 IF: 1.957	D. Adiputra, N. Nazmi , I. Bahiuddin, Ubaidillah, F. Imaduddin, M.A.A. Rahman, S.A. Mazlan and H. Zamzuri. A Review on the Control of the Mechanical Properties of Ankle Foot Orthosis for Gait Assistance. <i>Actuators</i> , Vol. 8, No. 1, 10.
2	2019 IF: 2.474	D. Adiputra, M.A.A. Rahman, Ubaidillah, S.A. Mazlan, N. Nazmi , M.K. Shabdin, J. Kobayashi and M.H.M. Ariff. Control Reference Parameter for Stance Assistance Using a Passive Controlled Ankle Foot Orthosis - A Preliminary Study. <i>Applied Sciences</i> , Vol. 9, No. 20, 4416.
1	2019 IF: 3.137	N. Nazmi , M.A.A. Rahman, S.I Yamamoto and S.A. Ahmad. Walking gait event detection based on EMG signals using machine learning approach. <i>Biomedical Signals Processing and Control</i> , vol. 47, pp. 334-343.

Quartile 3

No.	Year / Impact Factor	Paper
1	2017 IF: 1.689	N. Nazmi , M.A.A. Rahman, S. Yamamoto, S.A. Ahmad. M. Balakrishnan, S.A. Mazlan and H. Zamzuri. Assessment on Stationarity of EMG Signals with Different Windows Size during Isotonic Contractions. <i>Applied Sciences</i> , Vol. 7, No. 10, 1050.

SCOPUS

No.	Year	Paper
10	2021	I. Bahiuddin, S. B. Wibowo; M Syairaji; J. T. Putra, P. Cahyo, A. F. Maulana, R. M. S. Prastica, N. Nazmi . A Systematic Approach to Predict The Behavior of Cough Droplets Using Feedforward Neural Networks Method. <i>Fluids</i> , 6(2),76.
9	2020	D. Adiputra, M.A.A. Rahman, I. Bahiuddin, Ubaidillah and N. Nazmi . Sensor Number Optimization Using Neural Network for Ankle Foot Orthosis Equipped with Magnetorheological Brake. <i>Open Engineering</i> , 11(1), pp. 91-101.
8	2020	N. Nazmi , M.A.A. Rahman, S.A. Mazlan, D. Adiputra, I. Bahiuddin, M.K. Shabdin, N.A.A. Razak, M.H.M. Ariff. Analysis of EMG Signals during Stance and Swing Phases for Controlling Magnetorheological Brake applications. <i>Open Engineering</i> , 11(1), pp. 112-119.
7	2020	N. Nazmi , H.F.S. Saipol, F. Yusof, N.A. Nordin, N. Johari, S.A. Mazlan, M.A.A. Rahman, and S.A.A. Aziz. Parameter Estimation of Extreme Rainfall Distribution in Johor Using Bayesian Markov Chain Monte Carlo. <i>IOP Conference Series: Earth and Environmental Science</i> 479 (1), 012019.
6	2020	M.K. Shabdin, M.A.A. Rahman, S.A. Mazlan, S.A.A. Aziz and N. Nazmi . Rheological behavior of graphite induced anisotropic magnetorheological elastomer (Gr-MRE). <i>Lecture Notes in Mechanical Engineering</i> , pp. 163-170.
5	2020	I. Bahiuddin, Abdul Y Abd Fatah, S.A. Mazlan, F. Imaduddin, M.H.M. Ariff, D. Utami and N. Nazmi . Extreme Learning Machine Based-Shear Stress Model of Magnetorheological Fluid for A Valve Design. <i>Lecture Notes in Mechanical Engineering</i> , pp. 275-284.
4	2018	N. Nazmi , M.A.A. Rahman, S.I Yamamoto, S.A. Ahmad and M.H.M. Arif. Generalization of ANN model in classifying stance and swing phases based on EMG signals. <i>IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES), Sarawak, Malaysia</i> , pp. 461-466.
3	2016	N. Nazmi , S.I Yamamoto, M.A.A. Rahman, S.A. Ahmad, D. Adiputra, H. Zamzuri and S.A. Mazlan. Fuzzy logic for walking patterns based on surface electromyography signals with different membership functions. <i>6th International Workshop on Computer Science and Engineering (WCSE 2016), Tokyo, Japan</i> , pp. 636-639.
2	2015	N. Nazmi , M.A.A. Rahman, S.A. Mazlan and H. Zamzuri. Fitting Distribution for Electromyography and Electroencephalography Signals Based on Goodness-of-Fit Tests, IEEE International Symposium on Robotics and Intelligent Sensors (IRIS 2015), Langkawi, Malaysia. <i>Procedia Computer Science</i> , vol. 76, pp. 468-473.
1	2015	N. Nazmi , M.A.A. Rahman, S.A. Mazlan and H. Zamzuri, M. Mizukawa. Electromyography (EMG) based signal analysis for physiological device application in lower limb rehabilitation. <i>2nd International Conference on Biomedical Engineering (IcoBE), Penang, Malaysia</i> , pp. 75-82.

PUBLICATION OF ACADEMIC BOOKS

No.	Year / ISBN NO.	Book
1	2020 ISBN 978-620-2-92094-0	N. Nazmi , and M.A.A. Rahman. Gait event detection based on EMG signals, Lambert Academic Publishing, Saarbrücken: Germany

PLENARY / KEYNOTE / INVITED SPEAKER

Type	International	National
Plenary / Keynote / Speaker	0	0
Invited Speaker	1	1

No.	Year	Paper
2	2020	Invited Speaker. N. Nazmi , Gait event detection by using machine learning approach, presented in 6th International E-Conference on Industrial, Mechanical, Electrical and Chemical Engineering (ICIMECE 2020), Surakarta, Solo, Indonesia, 20 October.
1	2020	Invited Speaker. N. Nazmi , Magnetorheological materials for automotive and biomedical engineering applications, Research Workshop of Faculty of Electrical Engineering, UiTM, Dungun, Malaysia, 18 September.

INTELLECTUAL PROPERTY (IP)

Type	Granted	Filed / Registered
Patent	0	2
Copyright	2	2

Patent Filed

No.	Date	File No.	Title / Inventors
2	11/12/2019	PI2019007393	Cobalt-Based Magnetorheological Elastomer. A.A. Zainudin, N. Nazmi , M.A.A. Rahman, M.H.M. Ariff, M.I.A. Hamid, N. L. Burhanuddin, M.A.M.Fakhree.
1	27/06/2019	PI2019003772	Graphite - Magnetorheological Elastomer. M.K. Shabdin, N. Nazmi , M.A.A. Rahman, S.A. Mazlan, W.J. Yahya, A.M. Ithnin and M.H.M. Ariff.

Copyright Granted

No.	Date	Copyright No.	Title / Inventors
2	05/09/2018	CRLY00012204	Magnetorheological Brake Control Strategy for Passive Controlled Ankle Foot Orthoses. D. Adiputra, N. Nazmi , M.A.A. Rahman, S.A. Mazlan, H. Zamzuri, W. J. Yahya, A.M. Ithnin and M.H.M. Arif.
1	01/06/2018	CRLY00024822	Feature Extractor of EMG Signals during Stance and Swing Phases. M.A.A Rahman, N. Nazmi D. Adiputra, S.A. Mazlan, H. Zamzuri, W.J. Yahya, A.M. Ithnin and M.H.M. Ariff.



Copyright Filed

No.	Date	Copyright No.	Title / Inventors
2	29/07/2019	LY2019003988	Algorithm to Optimize Yield Stress Prediction of MR Fluid. S.A. Mazlan, I. Bahiuddin, M.I. Shapiai, N. Nazmi , N. Johari and A.Y.A. Fatah
1	01/06/2018	LY2018002394	Detection of Stance and Swing Phases using Footswitch. M.A.A Rahman, N. Nazmi , D. Adiputra, S.A. Mazlan, H. Zamzuri, W.J. Yahya, A.M. Ithnin and M.H.M. Ariff

CO-CURRICULAR ACTIVITES

No.	Year	Level	Title / Inventors
20	2019	University	Badminton, UTM Sports Day, UTMKL
19	2018	Faculty	Bowling tournament, UTMKL
18	2017	University	Bowling tournament, Jawatankuasa Kolej Mahasiswa KSJ UTMKL
17	2017	University	MJIIT Sports Day (Ping pong), UTMKL
16	2015	University	Badminton Tournament VSE iKohza, UTMKL
15	2013	National	Olimpiad Matematik Kebangsaan, Persatuan Sains Matematik Malaysia (PERSAMA)
14	2012	National	Karnival Sukan Anak Johor, Interaksi Belia Siswa Johor IPT 1Malaysia, Sekretariat Anak Johor Darul Ta'zim, Johor, Malaysia
13	2011	National	Kejohanan Tenpin Bowling, Majlis Sukan Universiti Malaysia (MASUM)
12	2011	University	Vice Secretary, Persatuan Sains Matematik, USM
11	2011	University	Sukan Antara Desasiswa, Boling Tenpin, USM
10	2011	University	Vice Secretary, Karnival Matematik, USM
9	2011	University	Dsukres, Majlis Perwakilan Desasiswa, USM
8	2011	University	Pertandingan Boling Kelab Geografi, USM
7	2011	National	Kejohanan Ten Pin Boling Terbuka IPT, Kementerian Pengajian Tinggi Malaysia, Melaka, Malaysia
6	2011	National	Penang Car Free Day, 'Program Dua Jam Tanpa Kenderaan', Majlis Perbandaran Pulau Pinang, Malaysia
5	2011	University	Kejohanan Boling Anak-anak Negeri Piala Naib Canselor, Kumpulan Anak-anak Kedah, USM
4	2010	University	Sukan Antara Desasiswa, Boling Tenpin, USM
3	2010	University	Kejohanan Boling Naib Canselor, Kumpulan Anak-anak Kedah, USM
2	2009	University	Pertandingan Teknologi Pelancaran Raket, Unit Fizik Kolej Matrikulasi Johor
1	2009	University	Program Chemrace 2, Kolej Matrikulasi Johor

REFEREES

No.	Picture	Name / Contact Details	e-mail
2		Prof. Ir. Ts. Dr. Saiful Amri Mazlan Director of Administration (Research and Innovation), Office of Deputy Vice-Chancellor (R&I), Universiti Teknologi Malaysia, Jalan Sultan Yahya Petra, 54100 Kuala Lumpur, Malaysia	amri.kl@utm.my
1		Prof. Shinichirou Yamamoto Department of Bioscience and Engineering, Systems Engineering and Science, Shibaura Institute of Technology, 3 Chome-7-5 Toyosu, Koto City, Tokyo 135-8548, Japan	yamashin@se.shibaura- it.ac.jp