



# UNIVERSITI TEKNIKAL MALAYSIA MELAKA

## STAFF PROFILE

**NAME** PROFESOR MADYA DR MOHD JUZAILA BIN ABD. LATIF

**FACULTY / CENTRE** FAKULTI KEJURUTERAAN MEKANIKAL

**DESIGNATION** PENSYARAH UNIVERSITI

**CURRENT POSITION** TIMBALAN PENGARAH - PUSAT PEMBUATAN TERMAJU

**EMAIL** juzaila@utem.edu.my



### ACADEMIC QUALIFICATION

YEAR	QUALIFICATION	INSTITUTION
2011	KEDOKTORAN FALSAFAH (PH.D)	UNIVERSITY OF LEEDS
2005	SARJANA (MASTERS)	UNIVERSITY OF WALES SWANSEA, UK
1994	SARJANA MUDA (BACHELOR)	PLYMOUTH STATA COLLEGE, PLYMOUTH

### FIELD OF INTEREST

BIOMEDICAL ENGINEERING, BIOMECHANICS, REHABILITATION ENGINEERING & ASSISTIVE TECHNOLOGY

### TEACHING EXPERIENCE *(last 5 years)*

#### UNDERGRADUATES

SESSION	COURSE
2021/2022	BMCG4113 - FINITE ELEMENT ANALYSIS
2020/2021	BMCG4113 - FINITE ELEMENT ANALYSIS
2019/2020	BMCG4113 - FINITE ELEMENT ANALYSIS
2018/2019	BMCG2432 - INTRODUCTION TO MECHANICAL ENGINEERING
2018/2019	BMCG3011 - MECHANICAL ENGINEERING LABORATORY III
2018/2019	BMCG3313 - ENGINEERING DESIGN
2018/2019	BMCG4113 - FINITE ELEMENT ANALYSIS
2018/2019	BMCG4323 - RAPID PROTOTYPING TECHNOLOGY
2018/2019	BMCU3013 - INTEGRATED DESIGN PROJECT
2017/2018	BMCG1113 - STATICS
2017/2018	BMCG2343 - INTRODUCTION TO MECHANICAL ENGINEERING
2017/2018	BMCG2432 - INTRODUCTION TO MECHANICAL ENGINEERING
2017/2018	BMCU3013 - INTEGRATED DESIGN PROJECT
2016/2017	BMCG1113 - STATICS
2016/2017	BMCG2432 - INTRODUCTION TO MECHANICAL ENGINEERING
2016/2017	BMCU3013 - INTEGRATED DESIGN PROJECT

**POSTGRADUATES**

SESSION	COURSE
2020/2021	MMCB5433 - MEKANIK LESU DAN MEKANIK PATAH

**LIST OF GRANTS (last 5 years)**

YEAR AWARDED	TITLE OF PROJECT	TYPE OF GRANT	AMOUNT (RM)	ROLE
2021	CORRELATION OF BIOMECHANICAL PROPERTIES AND LOW-FIELD MRI IMAGE OF PROGRESSIVE OSTEOARTHRITIC ARTICULAR CARTILAGE FOR OSTEOARTHRITIS EARLY DETECTION	GERAN FRGS (NATIONAL)	126225	MAIN RESEARCHER
2021	DEVELOPMENT OF NEW MULTIPURPOSE CRUTCH FOR PHYSIOTHERAPY REHABILITATION PROGRAM	GERAN INDUSTRI (INDUSTRY)	40000	MAIN RESEARCHER
2021	DEVELOPMENT OF EXTENDBLE BUNDLE PULLER FOR REFINERY PLANT	GERAN INDUSTRI (INDUSTRY)	400000	CO-RESEARCHER
2020	MECHANISM OF MELT POOL FORMATION AND CORRELATION TO 3D PRINTED STRUCTURE IN MICROPLASMA ASSISTED METAL ADDITIVE MANUFACTURING	GERAN FRGS (NATIONAL)	120200	CO-RESEARCHER
2020	A COST EFFECTIVE PASSIVE EXOSKELETON FOR PROLONGED STANDING JOBS	HIGH IMPACT (UTEM)	46000	CO-RESEARCHER
2020	DEVELOPMENT OF 3D PRINTED PROSTHETIC SOCKET FOR LOWER LIMB AMPUTEE AT PERKESO REHABILITATION CENTER	GERAN INDUSTRI (INDUSTRY)	200000	MAIN RESEARCHER
2020	THE EFFECTIVENESS OF SPEECH DISORDER RECOVERY FOR POST-STROKE PATIENT USING SPEECH THERAPY MOBILE APPLICATION	SHORT TERM (UTEM)	7000	CO-RESEARCHER
2019	CHARACTERIZATION OF VORTEX DYNAMICS ON THE RISK OF VALVE THROMBOSIS IN CARDIOVASCULAR SYSTEM	GERAN FRGS (NATIONAL)	53000	CO-RESEARCHER
2018	MATHEMATICAL MODELING AND FRAMEWORK OF HEADGEAR DESIGN PARAMETERS FOR RUGBY UNION PLAYERS TO PREVENT BRAIN INJURY DUE TO SCRUM AND TACKLING	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2018	STUDY OF DRIVING BEHAVIOUR OF STUDENTS IN UTEM USING DRIVING SIMULATOR	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2017	A NEW TECHNIQUE OF MULTISPECTRAL NEUROIMAGES ANALYSIS FOR STROKE LESION CLASSIFICATION	GERAN FRGS (NATIONAL)	63600	CO-RESEARCHER
2017	REHABILITATION DEVICE IN SENSORY INTEGRATION THERAPY FOR AUTISM CHILDREN	SHORT TERM (UTEM)	20000	CO-RESEARCHER
2017	A NEW TIME-FREQUENCY DISTRIBUTION OF ELECTROMYOGRAPHY (EMG) PATTERN RECOGNITION FOR REPETITIVE CORE LIFTING TASK	HIGH IMPACT (UTEM)	40000	CO-RESEARCHER

**PUBLICATIONS** (*last 5 years*)**JOURNAL**

YEAR	TITLE	NAME OF JOURNAL	AUTHORS
2018	IMPLEMENTATION OF AUTOMATION PROCESS IN GENERATING CAD MODEL FOR RIM WHEELS	ARPJ JOURNAL OF ENGINEERING AND APPLIED SCIENCES	ALI, M.B., BIN SHAFIE, A., DHARMALINGAM, S., DAUD, M.A.M., ZAKARIA, K.A. & LATIF, M.J.A

**PROFESSIONAL MEMBERSHIPS / LEARNED SOCIETY**

YEAR	ROLE	INSTITUTION	LEVEL
2017	AHLI (INSTITUTION OF MECHANICAL ENGINEERS)	LAIN-LAIN	ANTARABANGSA
2015	INTERNATIONAL ASSOCIATION OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY - MEMBER	LAIN-LAIN	ANTARABANGSA
2015	EURO JOURNAL OF ADVNCES IN E&T - EDITORIAL BOARD	LAIN-LAIN	ANTARABANGSA
2015	INTERNATIONAL ASSOCIATION OF ENG (IAENG) - MEMBER	LAIN-LAIN	ANTARABANGSA
2014	THE INTR POSTGRADUATE NETWORK - TECHNCL COMMITTEE	LAIN-LAIN	ANTARABANGSA
2012	GRADUATE MEMBER	INSTITUT JURUTERA MALAYSIA (IEM)	KEBANGSAAN

**POSTGRADUATE SUPERVISION** *(last 5 years)*

NO	NAME	LEVEL OF STUDY	ROLE	STATUS
1	SHARIFAH AZNEE BT SAID ALI @ SYED ALI	DOCTORATE	CO-SUPERVISOR	ACTIVE
2	MOHD NAIM BIN MARZUKI	DOCTORATE	CO-SUPERVISOR	ACTIVE
3	YUSRA LIYANA BINTI JAAFAR	MASTERS	MAIN SUPERVISOR	GRADUATED (2017)
4	NUR HIKMAH BINTI HASHIM @ AZIZ	MASTERS	MAIN SUPERVISOR	GRADUATED (2017)
5	YEW WANSIN	MASTERS	MAIN SUPERVISOR	GRADUATED (2017)
6	HILMIAH BINTI A.GHANI	MASTERS	CO-SUPERVISOR	GRADUATED (2016)
7	SITI NURFAEZAH BINTI ZAHARI	MASTERS	MAIN SUPERVISOR	GRADUATED (2015)
8	YUNEE SAN RAJ A/L VENUGOPAL	MASTERS	CO-SUPERVISOR	ACTIVE
9	FATHUL HAKIM BIN WAN YUNUS	MASTERS	CO-SUPERVISOR	ACTIVE
10	MOCHAMAD IQBAL ROKHIM	MASTERS	CO-SUPERVISOR	ACTIVE
11	MOHD AZIZAN BIN SUARIN	MASTERS	MAIN SUPERVISOR	ACTIVE
12	RIZWANA BINTI SEENI IBRAMSA	MASTERS	MAIN SUPERVISOR	ACTIVE
13	LIM GUO DONG	MASTERS	MAIN SUPERVISOR	ACTIVE
14	NURSYAIRA BINTI MOHD SALLEH	MASTERS	CO-SUPERVISOR	ACTIVE
15	FURAS ANES SALEH HAMSHARY	MASTERS	MAIN SUPERVISOR	ACTIVE
16	SITI KHAIRIYAH BINTI SULAIMAN	MASTERS	CO-SUPERVISOR	ACTIVE
17	MOHD REDZUAN BIN ABU BAKAR	MASTERS	MAIN SUPERVISOR	ACTIVE

KATEGORI MAKLUMAT	PEJABAT DIRUJUK
PERSONAL INFORMATION	BAHAGIAN SUMBER MANUSIA, PEJABAT PENDAFTAR
ACADEMIC QUALIFICATON	
PROFESSIONAL MEMBERSHIP / LEARNED SOCIETY	
TEACHING EXPERIENCE	BAHAGIAN PENGURUSAN AKADEMIK, PEJABAT PENDAFTAR
<ul style="list-style-type: none"> <li>• UNDERGRADUATES</li> </ul>	
<ul style="list-style-type: none"> <li>• POSTGRADUATES</li> </ul>	PUSAT PENGAJIAN SISWAZAH (PPS)
POSTGRADUATE SUPERVISION	PUSAT PENGAJIAN SISWAZAH (PPS)
FIELD OF INTEREST	PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI (CRIM)
LIST OF GRANTS	
LIST OF RESEARCH AWARDS	PUSAT PENGKOMERSILAN (UCC)
INTELLECTUAL PROPERTIES	
COMMERCIALIZATION	
PUBLICATIONS	PERPUSTAKAAN LAMAN HIKMAH
CONSULTANCY	PUSAT JARINGAN INDUSTRI DAN MASYARAKAT (PJIM)