



# UNIVERSITI TEKNIKAL MALAYSIA MELAKA

## STAFF PROFILE

**NAME** DR. NAJIYAH SAFWA BINTI KHASHI'IE

**FACULTY / CENTRE** FAKULTI TEKNOLOGI KEJURUTERAAN MEKANIKAL DAN PEMBUATAN

**DESIGNATION** PENSYARAH UNIVERSITI

**CURRENT POSITION** PENSYARAH - FAKULTI TEKNOLOGI KEJURUTERAAN MEKANIKAL DAN PEMBUATAN

**EMAIL** najiyah@utem.edu.my



### ACADEMIC QUALIFICATION

YEAR	QUALIFICATION	INSTITUTION
2021	KEDOKTORAN FALSFAH (PH.D)	UNIVERSITI PUTRA MALAYSIA
2008	SARJANA (MASTERS)	UNIVERSITI TEKNOLOGI MALAYSIA, SKUDAI
2012	SARJANA MUDA (BACHELOR)	UNIVERSITI TEKNOLOGI MALAYSIA, SKUDAI

### FIELD OF INTEREST

NUMERICAL SIMULATION FOR FLOW AND HEAT TRANSFER OF FLUID WITH HYBRID NANOMATERIAL

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

#### UNDERGRADUATES

SESSION	COURSE
2021/2022	BMMU1013 - TECHNICAL MATHEMATICS
2020/2021	BMMU1013 - TECHNICAL MATHEMATICS
2020/2021	BMMU1023 - CALCULUS FOR TECHNOLOGY
2016/2017	BETU1023 - CALCULUS FOR TECHNOLOGY

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

YEAR AWARDED	TITLE OF PROJECT	TYPE OF GRANT	AMOUNT (RM)	ROLE
2021	COMPUTATIONAL ANALYSIS ON SINGLE-PHASE MATHEMATICAL MODELS OF HYBRID NANOFLUID FLOW WITH CONVECTIVE HEAT TRANSFER	GERAN FRGS (NATIONAL)	68000	MAIN RESEARCHER
2021	NUMERICAL ANALYSIS ON MULTIPLE CRACKS PROBLEMS IN THERMOELECTRIC BONDED MATERIALS USING HYPERSINGULAR INTEGRAL EQUATIONS	GERAN FRGS (NATIONAL)	101600	CO-RESEARCHER
2020	HYBRID NANOFLUID FLOW AND HEAT TRANSFER PAST A PERMEABLE SURFACE	GERAN INSENTIF PENERBITAN JURNAL (UTEM)	3000	MAIN RESEARCHER

## PUBLICATIONS (last 5 years)

## JOURNAL

YEAR	TITLE	NAME OF JOURNAL	AUTHORS
2020	A NEW SIMILARITY SOLUTION WITH STABILITY ANALYSIS FOR THE THREE-DIMENSIONAL BOUNDARY LAYER OF HYBRID NANOFLUIDS	INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT AND FLUID FLOW	KHASHI'IE N.S., ARIFIN N.M., POP I., NAZAR R., HAFIDZUDDIN E.H.
2020	FLOW AND HEAT TRANSFER OF HYBRID NANOFLUID OVER A PERMEABLE SHRINKING CYLINDER WITH JOULE HEATING: A COMPARATIVE ANALYSIS	ALEXANDRIA ENGINEERING JOURNAL	KHASHI'IE N.S., ARIFIN N.M., POP I., WAHID N.S.
2020	FLOW AND HEAT TRANSFER PAST A PERMEABLE POWER-LAW DEFORMABLE PLATE WITH ORTHOGONAL SHEAR IN A HYBRID NANOFLUID	ALEXANDRIA ENGINEERING JOURNAL	KHASHI'IE N.S., ARIFIN N.M., POP I., NAZAR R., HAFIDZUDDIN E.H., WAHI N.
2020	HYBRID NANOFLUID FLOW PAST A SHRINKING CYLINDER WITH PRESCRIBED SURFACE HEAT FLUX	SYMMETRY	NAJIYAH SAFWA KHASHI'IE, ISKANDARWAINI, NURUL AMIRA ZAINAL, KHAIRUM HAMZAH AND ABDUL RAHMAN MOHD KASIM
2020	MAGNETOHYDRODYNAMICS (MHD) AXISYMMETRIC FLOW AND HEAT TRANSFER OF A HYBRID NANOFLUID PAST A RADIIALLY PERMEABLE STRETCHING/SHRINKING SHEET WITH JOULE HEATING	CHINESE JOURNAL OF PHYSICS	KHASHI'IE N.S., ARIFIN N.M., NAZAR R., HAFIDZUDDIN E.H., WAHI N., POP I.
2020	MAGNETOHYDRODYNAMICS (MHD) STAGNATION POINT FLOW PAST A SHRINKING/STRETCHING SURFACE WITH DOUBLE STRATIFICATION EFFECT IN A POROUS MEDIUM	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	KHASHI'IE N.S., ARIFIN N.M., RASHIDI M.M., HAFIDZUDDIN E.H., WAHI N.
2020	MELTING HEAT TRANSFER IN HYBRID NANOFLUID FLOW ALONG A MOVING SURFACE	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	KHASHI'IE N.S., MD ARIFIN N., POP I., NAZAR R.
2020	MIXED CONVECTIVE STAGNATION POINT FLOW TOWARDS A VERTICAL RIGA PLATE IN HYBRID CU-AL <sub>2</sub> O <sub>3</sub> /WATER NANOFLUID	MATHEMATICS	KHASHI'IE N.S., ARIFIN N.M., POP I.
2020	NON-AXISYMMETRIC HÖMANN STAGNATION POINT FLOW AND HEAT TRANSFER PAST A STRETCHING/SHRINKING SHEET USING HYBRID NANOFLUID	INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT AND FLUID FLOW	KHASHI'IE N.S., ARIFIN N.M., POP I., NAZAR R., HAFIDZUDDIN E.H., WAHI N.
2020	NON-DARCY MIXED CONVECTION OF HYBRID NANOFLUID WITH THERMAL DISPERSION ALONG A VERTICAL PLATE EMBEDDED IN A POROUS MEDIUM	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	KHASHI'IE N.S., ARIFIN N.M., POP I.
2020	STAGNATION POINT FLOW OF HYBRID NANOFLUID OVER A PERMEABLE VERTICAL STRETCHING/SHRINKING CYLINDER WITH THERMAL STRATIFICATION EFFECT	CFD LETTERS	KHASHI'IE N.S., HAFIDZUDDIN E.H., ARIFIN N.M., WAHI N.
2020	THERMAL MARANGONI FLOW PAST A PERMEABLE STRETCHING/SHRINKING SHEET IN A HYBRID CU-AL <sub>2</sub> O <sub>3</sub> /WATER NANOFLUID	SAINS MALAYSIANA	NAJIYAH SAFWA KHASHI'IE, NORIHAN MD ARIFIN*, IOAN POP, ROSLINDA NAZAR, EZAD HAFIDZ HAFIDZUDDIN & NADIHAH WAHI
2020	THREE-DIMENSIONAL HYBRID NANOFLUID FLOW AND HEAT TRANSFER PAST A PERMEABLE STRETCHING/SHRINKING SHEET WITH VELOCITY SLIP AND CONVECTIVE CONDITION	CHINESE JOURNAL OF PHYSICS	KHASHI'IE N.S., ARIFIN N.M., POP I., NAZAR R., HAFIDZUDDIN E.H., WAHI N.
2020	UNSTEADY AXISYMMETRIC FLOW AND HEAT TRANSFER OF A HYBRID NANOFLUID OVER A PERMEABLE STRETCHING/SHRINKING DISC	INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT AND FLUID FLOW	KHASHI'IE N.S., ARIFIN N.M., POP I.
2019	A STABILITY ANALYSIS FOR MAGNETOHYDRODYNAMICS STAGNATION POINT FLOW WITH ZERO NANOPARTICLES FLUX CONDITION AND ANISOTROPIC SLIP	ENERGIES	NAJIYAH SAFWA KHASHI'IE, NORIHAN MD ARIFIN, ROSLINDA NAZAR, EZAD HAFIDZ HAFIDZUDDIN, NADIHAH WAHI AND IOAN POP
2019	DUAL STRATIFIED NANOFLUID FLOW PAST A PERMEABLE SHRINKING/STRETCHING SHEET USING A NON-FOURIER ENERGY MODEL	APPLIED SCIENCES-BASEL	NAJIYAH SAFWA KHASHI'IE, NORIHAN MD ARIFIN, EZAD HAFIDZ HAFIDZUDDIN AND NADIHAH WAHI 3
2019	MAGNETOHYDRODYNAMICS (MHD) FLOW AND HEAT TRANSFER OF A DOUBLY STRATIFIED NANOFLUID USING CATTANEO-CHRISTOV MODEL	UNIVERSAL JOURNAL OF MECHANICAL ENGINEERING	NAJIYAH SAFWA KHASHI'IE, NORIHAN MD ARIFIN, EZAD HAFIDZ HAFIDZUDDIN, NADIHAH WAHI, MOHD RIJAL ILIAS
2019	MHD MIXED CONVECTIVE STAGNATION POINT FLOW WITH HEAT GENERATION PAST A SHRINKING SHEET	ASM SCIENCE JOURNAL	NAJIYAH SAFWA KHASHI'IE, NORIHAN MD ARIFIN, EZAD HAFIDZ HAFIDZUDDIN AND NADIHAH WAHI
2019	MIXED CONVECTIVE FLOW AND HEAT TRANSFER OF A DUAL STRATIFIED MICROPOLAR FLUID INDUCED BY A PERMEABLE STRETCHING/SHRINKING SHEET	ENTROPY	NAJIYAH SAFWA KHASHI'IE, NORIHAN MD ARIFIN, ROSLINDA NAZAR, EZAD HAFIDZ HAFIDZUDDIN, NADIHAH WAHI AND IOAN POP
2019	MIXED CONVECTIVE STAGNATION POINT FLOW OF A THERMALLY STRATIFIED HYBRID CU-AL <sub>2</sub> O <sub>3</sub> /WATER NANOFLUID OVER A PERMEABLE STRETCHING/SHRINKING SHEET	ASM SCIENCE JOURNAL	NAJIYAH SAFWA KHASHI'IE, NORIHAN MD ARIFIN, EZAD HAFIDZ HAFIDZUDDIN, NADIHAH WAHI AND IOAN POP
2019	THERMALLY STRATIFIED FLOW OF CU-AL <sub>2</sub> O <sub>3</sub> /WATER HYBRID NANOFLUID PAST A PERMEABLE STRETCHING/SHRINKING CIRCULAR CYLINDER	JOURNAL OF ADVANCED RESEARCH IN FLUID MECHANICS AND THERMAL SCIENCES	NAJIYAH SAFWA KHASHI'IE, NORIHAN MD ARIFIN, EZAD HAFIDZ HAFIDZUDDIN, NADIHAH WAHI



## STAFF PROFILE

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)