



Abdul Rahman bin Mohd Kasim

Curriculum Vitae

PERSONAL DETAILS

Full name	Abdul Rahman bin Mohd Kasim
Gender	Male
Date of Birth	March 21, 1988.
Nationality	Malaysia
Marital status	Married
Occupation	Associate Professor
Address	Centre for Mathematical Sciences, Universiti Malaysia Pahang, Lebuhraya Tun Razak, Jalan Gambang, 26300 Gambang, Kuantan, Pahang
Mobile Phone	+60 13 714 4642
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RELATIONSHIP (SPOUSE INFORMATION)

Full name	Noor Amalina Nisa binti Ariffin
Date of Birth	November 01, 1988.
Nationality	Malaysia
Marriage Date	29 April 2016
Occupation	Senior Lecturer, FSKM UiTM Caw. Pahang Kampus Jengka

QUALIFICATIONS

2011-2014	Doctor of Philosophy (Mathematics) , <i>Universiti Teknologi Malaysia, Johor.</i> Field: Applied Mathematics
2009-2010	Master of Science (Mathematics) , <i>Universiti Teknologi Malaysia, Johor.</i> Field: Applied Mathematics
2006-2009	Bachelor of Science (Industrial Mathematics) , <i>Universiti Teknologi Malaysia, Johor.</i>
2006-2006	Express UTM-Mara (Science physical) - A Level , <i>Universiti Teknologi Malaysia, Johor.</i>

THESIS

	Ph.D Thesis-2014
Title	Convective Boundary Layer Flow of Viscoelastic Fluid
Supervisors	Assoc. Prof. Dr. Sharidan Shafie
Description	The thesis presents the solution on problem of viscoelastic fluid that moves over a flat plate for Blasius problem, around a circular cylinder and sphere with two types of convective flows namely free and mixed convections.
	Master Thesis-2011
Title	Free and Mixed Convective Boundary Layer Flow of a Viscoelastic Fluid past a Horizontal Circular Cylinder
Supervisors	Assoc. Prof. Dr. Sharidan Shafie
	B.Sc. Final Year Project-2009
Title	The Derivation of Power-Law Stretched Surface Ordinary Differential Equation
Supervisors	Assoc. Prof. Dr. Sharidan Shafie

EXPERIENCES

January 2021- Current	Associate Professor, Universiti Malaysia Pahang,, Kuantan, Pahang, Malaysia.
August 2014-January 2021	Senior Lecturer, Universiti Malaysia Pahang, Kuantan, Pahang, Malaysia.
May 2010- July 2010	Research Assistant, Faculty of Science, UTM, Skudai, Johor, Part-time based. "Data collecting, analysing and preparing report for UTM carbon footprint calculation Project"
July 2009- Dec 2009	Research Assistant, Faculty of Science, UTM, Skudai, Johor, Part-time based.

EXPERTISE

Expert Area	Major
Fluid mechanics, Numerical, Mathematical Modelling	Mathematical Modelling of Fluid Flow
Teaching in Applied Mathematics Subject	Applied Calculus, Ordinary Differential Equation, Applied Mathematics, Basic Mathematics, Numerical Method, Computation Mathematics in Industry

SUBJECT TAUGHT

YEAR: 2023				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
22232/CSM	MSM5920	Dissertation II	13	7
22232/CSM	MSM4454	Partial Differential Equations	4	2
22233/ASA	FSM1025	Essential Engineering Mathematics	5	5
22232/IJA	BUM2113	Applied Mathematics	3	83

YEAR: 2022				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
Semester	Kod Subjek	Subjek	Jam Kredit	Jumlah Pelajar
22232/ASA	FSM1015	Fundamental Mathematics	5	4
22231/CSM	MSM4413	Computational Methods In Industry	3	9
22231/CSM	MSM4910	Dissertation I	8	6
22231/CSM	MSM5920	Dissertation II	13	4
22231/IJA	BUM2113	Applied Mathematics	3	78
21222/IJA	BUM2113	Applied Mathematics	3	141
21222/IJA	BUM1223	Calculus	3	19
21222/CSM	MSM4910	Dissertation I	8	6
21222/CSM	MSM4454	Partial Differential Equations	4	2

YEAR: 2021				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
21221/CSM	MSM4413	Computational Methods In Industry	3	12
21221/IJA	BUM2113	Applied Mathematics	3	45
20213/IJA	BUM2123	Applied Calculus	3	18
20213/ISM	BUM2123	Applied Calculus	3	7
20212/ISM	BUM2123	Applied Calculus	3	9
20212/IJA	BUM2113	Applied Mathematics	3	222

YEAR: 2020				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
Semester	Kod Subjek	Subjek	Jam Kredit	Jumlah Pelajar
20211/IJA	BUM2113	Applied Mathematics	3	115
20211/CSM	MSM4413	Computational Methods In Industry	3	6
19202/IJA	**BUM2113	Applied Mathematics	3	1
19202/IJA	BUM2113	Applied Mathematics	3	61
19202/IJAC19	**BUM2113	Applied Mathematics	3	1
19202/IJAC19	BUM2113	Applied Mathematics	3	61

YEAR: 2019				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
Semester	Kod Subjek	Subjek	Jam Kredit	Jumlah Pelajar
19201/CSM	MSM4413	Computational Methods In Industry	3	2
19201/IJA	BUM2123	Applied Calculus	3	12
19201/IJA	BUM2113	Applied Mathematics	3	64
18192/IJA	BUM2123	Applied Calculus	3	48
18192/IJA	BUM2113	Applied Mathematics	3	81
18192/CSM	MSM4413	Computational Methods In Industry	3	7

YEAR: 2018				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
17182/DWI	BUM2123	Applied Calculus	3	3
17182/IJA	BUM2123	Applied Calculus	3	171
17182/IJA	BUM2113	Applied Mathematics	3	31

YEAR: 2017				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
17181/IJA	BUM2123	Applied Calculus	3	872
17181/ISM	BUM2123	Applied Calculus	3	14
17180/DIP	DUM1113	Basic Mathematics	3	45
16172/IJA	BUM2123	Applied Calculus	3	89
16172/IJA	BUM2113	Applied Mathematics	3	57

YEAR: 2016				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
16171/IJA	BUM2123	Applied Calculus	3	141
15163/IJA	BUM2123	Applied Calculus	3	31
15162/IJA	BUM2123	Applied Calculus	3	749
15162/IJA	BUM2113	Applied Mathematics	3	44
16172/ISM	BUM2123	Applied Calculus	3	6

YEAR: 2015				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
15161/ISM	BUM2123	Applied Calculus	3	24
15161/IJA	BUM2123	Applied Calculus	3	123
14153/IJA	BUM2133	Ordinary Differential Equations	3	10
14152/IJA	BUM2123	Applied Calculus	3	122
14152/ISM	BUM2123	Applied Calculus	3	27

YEAR: 2014				
Semester	Subject Code	Subject	Credit Hour	Total Of Student
14151/IJA	BUM2123	Applied Calculus	3	131

14151/IJA	BUM2133	Ordinary Differential Equations	3	189
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TEACHING EVALUATION

Semester	Series	Category	Subject	Mark (%)	Avg Mark (%)
Semester 2 2022/2023	Session 2	Lecture	FSM1015 - Fundamental Mathematics	100	100
Semester 1 2022/2023	Session 2	Lecture	BUM2113 - Applied Mathematics	92.94	92.94
Semester 2 2021/2022	Session 2	Lecture	BUM1223 - Calculus BUM2113 - Applied Mathematics	100 92.8	96.4
Semester 1 2021/2022	Session 2	Lecture	BUM2113 - Applied Mathematics	95.46	95.46
Semester 3 2020/2021	Session 2	Lecture	BUM2123 – Applied Calculus	100	100
Semester 2 2020/2021	Session 2	Lecture	BUM2113 - Applied Mathematics	94.98	94.98
Semester 1 2020/2021	Session 2	Lecture	BUM2113 - Applied Mathematics	92.97	92.97
Semester 2 2019/2020	Session 2	Lecture	BUM2113 - Applied Mathematics	95.99	95.99
Semester 1 2019/2020	Session 2	Lecture	BUM2113 - Applied Mathematics	93.21	93.21
Semester 2 2018/2019	Session 2	Lecture	BUM2123 - Applied Calculus BUM2113 - Applied Mathematics	95.45 95.04	95.25
Semester 1 2018/2019	Session 2	Lecture	DUM2113 - Technical Mathematics	92.33	92.33
Semester 2 2017/2018	Session 2	Lecture	BUM2123 - Applied Calculus	92.97	92.97
Semester 2 2017/2018	Session 2	Lecture	BUM2123 - Applied Calculus	100	100
Semester 1 2017/2018	Session 2	Lecture	BUM2123 - Applied Calculus	94.19	94.19
Semester 2 2016/2017	Session 2	Lecture	BUM2123 - Applied Calculus	92.47	92.47
Semester 1 2016/2017	Session 2	Lecture	BUM2123 - Applied Calculus	91.23	91.23
Semester 2 2015/2016	Session 2	Lecture	BUM2123 - Applied Calculus	92.03	92.03
Semester 1 2015/2016	Session 2	Lecture	BUM2123 - Applied Calculus	91.33	91.33

Semester 2 Session 2014/2015	2	Lecture	BUM2123 - Applied Calculus	91.93	91.93
Semester 1 Session 2014/2015	2	Lecture	BUM2133 – Ord. Dif. Equations	86.89	87.5
			BUM2123 - Applied Calculus	88.11	

ADMINISTRATION EXPERIENCES

2006 Committee of Program Pertandingan Piala Debat Perdana Universiti Teknologi Malaysia organized by Universiti Teknologi Malaysia with collaboration with Kelab De'pikir and Pejabat Hal Ehwal Pelajar UTM, 15-17 September 2006

2007 Vice Director of Program Majlis Makan Malam SSE/M 2007 (MATHLICIOUS'07) 'Sharing splendid & Exciting Moment' organized by Persatuan Sains dan Teknologi (PESAT) of Faculty Science, Universiti Teknologi Malaysia, 2 April 2007.

Vice Director of Program Bengkel Smart Study 2007 at Dewan Kuliah 1, Fakulti Sains organized by Persatuan Sains dan Teknologi (PESAT) of Faculty Science, Universiti Teknologi Malaysia, 1 August 2007.

Committee of Program Pengenalan Sains (PROPES) & Karnival Sukan Sains (SKS) at Dewan Kuliah 3, L50 dan Padang Utama UTM organized by Persatuan Sains dan Teknologi (PESAT) of Faculty Science, Universiti Teknologi Malaysia, 11 August 2007.

Committee of Program Khidmat Pendidikan Perdana '07 at Sek. Men Keb Sri Kukup organized by Persatuan Sains dan Teknologi (PESAT) of Faculty Science, Universiti Teknologi Malaysia, 21 August 2007.

2008 Director of Program Kem Anjakan Paradigma organized by Persatuan Sains dan Teknologi (PESAT), Faculty of Science, Universiti Teknologi Malaysia, 13 February 2008.

Protocol Committee of Program Better than Good workshop organized by Persatuan Sains dan Teknologi (PESAT), Faculty of Science, Universiti Teknologi Malaysia, 23 February 2008.

Committee of Program Malam Pra Graduan 2008 organized by Universiti Teknologi Malaysia at Hotel Sofitel, Johor Bahru, 15 March 2008.

Coordinator of Majlis Makan Malam, "sharing, splendid & exciting moment" organized by Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 9 April 2008.

Link-up Committee of Rejoice with Science 2008 Organized by Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi

Malaysia, 19-20 July 2008.

Treasurer of program exploration to MISA (Malaysia International Space Adventure) organized by Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 31 July 2008.

Director of Industrial visit at Malaysia Marine and Heavy Engineering (MMHE) organized by Mathematic Department and Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 31 July 2008.

Coordinator of Majlis Gemilang Sains organized by Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 20 October 2008.

Technical Committee of Minggu Ukhuwah Fakulti Sains 08 Organized by Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 14-26 October 2008.

Appointment as Chairperson of Persatuan Sains dan Teknologi (PESAT), Faculty of Science, UTM Skudai, session 2008.

2009 Director of Program a step to a bright future organized by Persatuan Sains dan Teknologi (PESAT), Faculty of Science, Universiti Teknologi Malaysia, 27 February 2009.

Director of Industrial visit at SIRIM Berhad and Jabatan Perangkaan Malaysia organized by Mathematic Department and Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 4 March 2009.

Director of English language enhancement program (ELEP) by Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 21 March 2009.

Facilitator of Program Explorace Minggu Sains dan Teknologi Organized by Faculty of Science, Universiti Teknologi Malaysia, 6 October 2009.

Chief Committee of Program Explorace Minggu Sains dan Teknologi organized by Faculty of Science, Universiti Teknologi Malaysia, 6 October 2009.

2010 Director of Program LATEX Workshop organized by Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 23-24 February 2010.

Deputy Director of Program Journal Writing Workshop organized by Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 3 March 2010.

Committee member of the program Presenting Skill and Thesis Writing Workshop organized by Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 25 March 2010

Executive member of Global Outreach Program to Fakultas Matematika dan Ilmu Pengetahuan Alam (FMIPA), Universitas Padjadjaran, Indonesia organized by Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 22-28 June 2010.

Executive Member of the Program a Welcoming Gathering and High Tea for Postgraduate Students Faculty of science organized by Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 4 August 2010.

Treasurer of the Faculty of Science Postgraduate Conference (FSPGC 2010) organized by Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 5-7 October 2010.

Food and Beverages Officer of the Faculty Science Postgraduate Conference (FSPGC 2010) organized by Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 5-7 October 2010.

Coordinator of Industrial visit at Malaysia Matereology Department, Shah Alam organized by Persatuan Sains dan Teknologi (PESAT) of Faculty of Science, Universiti Teknologi Malaysia, 13 October 2010.

Appointment as Vice- Chairperson of Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, semester 2, session 2009/2010 until end of semester 1 2010/2011.

2011

Committee member of the Program Annual General Meeting Postgraduate Students Society (PGSSFS) and Welcoming High-Tea For Postgraduate Students, Faculty Of Science organized by Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 12 January 2011.

Student Ambassador of 'PROGRAM PROMOSI JOM MASUK U' organized by Unit Pemasaran Universiti Teknologi Malaysia, UTM Skudai with collaboration with Ministry of Higher Education at Kelantan Trade Centre, Kelantan, 12-13 February 2011.

Executive Committe of Global Outreach Program to Beijing China organized by

Post-grad Student Society of Faculty Science (PGSSFS), Universiti Teknologi Malaysia, 17-23 January 2011.

Food and Beverages Officer of Thesis and Journal Writing Workshop organized by Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 12-13 April 2011.

2012	Appointment as Chairperson of Postgraduate Students Society (PGSSFS), Department of Postgraduate Studies Faculty of Science and School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 2012. Appointment as Director of International Science Postgraduate Conference 2012 (ISPC2012).
2013	Appointment as Secretary of Postgraduate Students Society (PGSS), School of Graduate Studies (SPS) Universiti Teknologi Malaysia, UTM Skudai, 2013.
2014	Facilitator program "Oh My Math" organized by Faculty of Industrial Sciences & Technology with collaboration with co-organised with the University Advanced Education (UAE) Sdn. Bhd. under the Empower ECER Mahkota Panel Perkongsian Halatuju Kerjaya for Cluster Applied Industrial Mathematics, Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang.
2015	Representative to program "Kembara Ramadhan FIST (UNIK)" ke Rumah Kebajikan Orang-orang Tua Seri Permai, Pahang, 13 Julai 2015. Representative on program "Gotong-royong penyediaan jamuan berbuka puasa di Masjid UMP Gambang", 3 Julai 2015. Facilitator program Lawatan Sambil Belajar & Kem Matematik Sekolah SMK Ahmad Shah, Pekan, UMP Pekan, 06 August 2015.
2016	Director on Post-mortem The 2nd ISM International Statistical Conference 2014 with Applications in Sciences and Engineering (ISM-II), Mathematics Support Centre, Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang. Participant on Roadshow: A New Ruled & Guidelines for Postgraduates, 2 Februari 2016, Library, UMP Kampus Gambang. Participant Maple TA and Mobius Workshop, Makmal Komputer FIST, UMP Kampus Gambang, 24 Februari 2016. Person In Charge on AQMS FIST 2016. Committee member on Annual General Meeting Persatuan Staf Akademik UMP (PAKAD) 2016, Megaview Hotel, Kuantan, 06 April 2016.

Committee member on Memorandum of Agreement FIST-Dimension Bid, Dewan Banquet UMP Kampus Pekan, 18 Mei 2016.

Committee member on Olimpiad Matematik Kebangsaan (OMK), Pahang Region, 23 Julai 2016.

Coordinator on Workshop of Statistical Analysis Using Microsoft Excel, 5 Oktober 2016.

Director on Bengkel Pemurnian Modul Matematik, 6 April 2016, Mathematics Support Centre, UMP.

Participant on E-Learning education with CIREL.

Participant on Meeting with Board of Study for Course MSc (Industrial Mathematics), Cathayana Hotel, 20 Mei 2016.

Committee member on Program 3P in SEMSAS, 29 Julai 2016.

Director on Workshop writing research 1/2016, Suria Resort, Bentong, 16-17 Disember 2016.

Appointment as representative on promoting MSc (Industrial Mathematics), at Malaysia Automotive Institute, 1 April 2016.

Representative of Faculty of Industrial Sciences & Technology to Educational Fair, KLCC, 18-21 November 2016.

2017	Committee member on Olimpiad Matematik Kebangsaan. Pahang region.
	Committee member on Program Saintis Muda, 13-16 August 2017.
	Developer on Massive Open Online Course – Calculus a piece of cake.
	Chairman on Unit Insaniah dan Kebajikan Faculty of Industrial Sciences & Technology.
	Representative to Karnival Pendidikan Mara 11-12 March 2017, Berjaya Megamall, Kuantan.
	Speaker on Program Back to Basic.
	Facilitator on Program Lawatan Sambil Belajar SBPI Temerloh-UMP.
	Leader on Sponsorship Unit on International Conference on Applied & Industrial Mathematics and Statistics 2017.
	Coordinator on Mathematics Support Centre, Faculty of Industrial Sciences & Technology.

2018	<p>Coordinator on Mathematics Support Centre, Faculty of Industrial Sciences & Technology.</p> <p>Leader on promotion unit (Education Sector) for program MSc Industrial Mathematics.</p> <p>Representative on promotion Unit at IPG Carnival organized by IPG Kampus Dato' Razali Ismail, 16-18 April 2018.</p> <p>Representative of Faculty on Bengkel Semakan Akhir Dokumen Permohonan Akreditasi bagi Program Pascasiswazah, 27-28 April, Vistana HoTEL, Kuantan.</p> <p>Chairman on Unit Insaniah dan Kebajikan Faculty of Industrial Sciences & Technology.</p>
2019	<p>Committee of e-learning unit of Faculty of Industrial Sciences & Technology</p> <p>Committee Members of Master Industrial Mathematics Program (Mixed Mode)</p> <p>Head of Technical of Centre for Mathematical Sciences (PSM)</p> <p>Committee members of workshop MQA documentation (Master in Industrial Mathematics-Mixed Mode)</p> <p>Publication committee on 2nd International Conference on Applied & Industrial Mathematics and Statistics 2019 (ICoAIMS 2019)</p> <p>Asset officer of Centre for Mathematical Sciences (PSM)</p> <p>Committee of Occupational Safety & Health Management Centre for Mathematical Sciences (PSM)</p> <p>Faculty Academic Committee</p> <p>Faculty Postgraduate Committee</p> <p>Faculty Technical Committee</p>
2020	<p>Head of Technical of Centre for Mathematical Sciences (PSM)</p> <p>Asset officer of Centre for Mathematical Sciences (PSM)</p> <p>Committee Members of Master Industrial Mathematics Program (Mixed Mode)</p> <p>Committee of Occupational Safety & Health Management Centre for Mathematical Sciences (PSM)</p> <p>Faculty Academic Committee</p>

Faculty Postgraduate Committee

Faculty Technical Committee

2021

Head of Technical of Centre for Mathematical Sciences (PSM)

Asset officer of Centre for Mathematical Sciences (PSM)

Committee Members of Master Industrial Mathematics Program (Mixed Mode)

Committee of Occupational Safety & Health Management Centre for Mathematical Sciences (PSM)

Faculty Academic Committee

Faculty Postgraduate Committee

Faculty Technical Committee

2022

Head of Technical of Centre for Mathematical Sciences (PSM)

Committee of Occupational Safety & Health Management Centre for Mathematical Sciences (PSM)

Faculty Academic Committee

Faculty Postgraduate Committee

Faculty Technical Committee

Committee EKSA PSM

2022

Head of Program (Foundation in Science and Technology)

Committee of Occupational Safety & Health Management Centre for Mathematical Sciences (PSM)

Faculty Academic Committee

Committee EKSA PSM

GRANTMANSHIP

Project	Type	Position	Vot	Amount (RM)	Duration
MATHEMATICAL FORMULATION OF HYBRID NANOFLUID USING DIFFERENT NON-NEWTONIAN FLUID MODEL	Distinguished Grant	Leader	RDU223015	45,500	15/11/2022-14/11/2024
MODELLING OF HYBRID NANOFLUID IN IMPROVING THERMAL PERFORMANCE OF FLUID FLOW (UIC221518)	Matching International Grant	Leader	UIC221518	24,000	01/12/2022-30/11/2024
MATHEMATICAL MODELING FOR CONVECTIVE TRANSPORT OF EYRING-POWELL HYBRID NANOFLUID	Internal	Leader	PGRS220303	3,500	01/09/2022-31/08/2025
Development of Mathematical Model of Two Phase Flow with Temperature Dependent Viscosity (TDV)	Matching Agency Grant (UMP-UTP)	Leader	RDU213206	20,000	1/10/2021-30/09/2023
Generalization of Convective Brinkman-Type Embedded in Viscoelastic Fluid under Boundary Layer Region	Matching Agency Grant (UMP-UiTM)	Leader	RDU213204	10,000	1/07/2021-30/06/2022
Mathematical Model On Impact Of Align Magnetic Field On Viscous And Non-Newtonian Fluid With Combined Convective Transport	Internal	Leader	PGRS2003169	6,000	10/12/2020-09/12/2023
Formulation of the Mathematical Model on Boundary Layer Flow of Eyring Powell, Jeffrey and Casson Fluid over a Blunt Body	RACER/1/2019/S TG06/UMP//1	Leader	RDU192602	53,200	01/09/2019-31/05/2022
Numerical Approximation For Analyzing Fluid Structure Interaction	Internal	Leader	RDU190303	34,500	15/03/2019-14/06/2021
Modelling Of Fluid Gas Gasifier	Matching Grant (UMP-	Leader	RDU182307	70,000	01/11/2018-30/04/2021

	UTP-UTM)				
Heat Transfer Enhancement In Convective Flow Of Casson Nanofluids With Single And Multiple Wall Carbon Nanotubes	Matching Grant (UMP-UTM-UTP-IIUM)	Leader	RDU182306	100,000	01/12/2018-30/11/2020
Numerical Solutions For The Aligned Magnetic Field Of Viscous And Williamson Fluid With Dust Particle Over A Stretching Sheet	Internal	Leader	RDU 170328	29,000	01/03/2017-01/03/2019
Mathematical Modelling Of Convective Boundary Layer Flow Of Jeffrey Fluid Under Convective Boundary Condition	Internal	Leader	RDU 160330	20,000	25/05/2016-24/05/2018
The Mathematical Modelling Of Fluid-Structured Interactions With Structural Buckling	Internal	Leader	PGRS 170315	2,000	01/03/2017-01/03/2020
Numerical Solutions For Aligned Magnetic Field Of Viscous And Dusty Casson Fluid Over A Stretching Sheet	Internal	Leader	PGRS 170397	3,500	01/03/2017-01/03/2020
Mathematical Modeling On Jeffrey Fluid Under Convective Boundary Conditions	Internal	Leader	RDU 151114	5,500	01/10/2015-30/09/2016
Mathematical Models Of Magnetohydrodynamic (Mhd) Micropolar Ferrofluid Over Various Surfaces	Matching Agency Grant (UMP-UTP)	Member	RDU223203	20, 000	01/04/2022-31/03/2024
Mathematical Investigations Of Magnetohydrodynamic Unsteady Flow And Heat Transfer Of Hybrid Nanofluid With Various Effects	Matching Agency Grant (UMP-UTP)	Member	RDU223202	20, 000	01/04/2022-31/03/2024
MATHEMATICAL MODELLING OF VISCOELASTIC FLUID IN THE PRESENT OF MICROROTATION AND POROSITY	Matching Agency Grant (UMP-UTP)	Member	RDU223201	20, 000	01/04/2022-31/03/2024

CIRCUMSTANCES					
A Study on Nanofluid Via Analytical Approach	Matching Agency Grant (UMP-UTP)	Member	RDU213207	20000	1/10/2021-30/09/2023
Convective Transport of non-Newtonian fluid with Single and Multiple Walls Carbon Nanotubes (CNTs) on Boundary Layer Region	FRGS	Member	(Ref: FRGS/1/2021/STG06/UITM/02/2)	50700	7/09/2021-6/09/2023
Mathematical Modeling For The Convective Boundary Layer Flow In A Viscous And Nanofluid With Slip Conditions And Viscous Dissipation	FRGS	Member	RDU 150101	123,000	15/01/2015-4/01/2018
On The Convergence Of The Multiple P-Adic Fourier Series	Internal	Member	RDU 70364	20,000	15/04/2017-14/04/2019
Exact Solution Of Heat And Mass Transfer On Unsteady Boundary Layer Flow In A Micropolar Fluid Past An Oscillating Plate With Newtonian Heating	Internal	Member	RDU 170354	20,000	15/04/2017-14/04/2019
Mathematical Modeling On Magnetohydrodynamic (MHD) Convection Boundary Layer Flow Over Horizontal Circular Cylinder And Sphere In Jeffrey Fluid With Various Effects	Internal	Member	RDU 170358	28,800	15/04/2017-14/04/2019
Mathematical Modelling Of Magnetohydrodynamic On Unsteady Boundary Layer Flow Over Bluff Body In A Micropolar Fluid	RAGS/1/2015/ST0/UIAM/02/1	Member	RAGS 2015-1	40,000	01/12/2015-30/11/2017
New Analytical Solutions For Convective Heat Transfer Of A Non-Newtonian Casson Fluid	FRGS/1/2015/SG04/UTM/02/5	Member	FRGS 2015-1	72,000	02/11/2015-01/11/2017
Fundamental Research	FRGS/1/	Member	FRGS 2018-1	54,000	01/01/2019-

On The Flow And Heat Transfer Of Fractional Nanofluids.	2018/ST G06/UT M/02/4				30/09/2021
Development Of Fifth-Stage Stochastic Runge-Kutta (Srk5) Method For Stochastic Differential Equations	Internal	Member	RDU 180301	20,000	01/04/2018-31/04/2020
Mathematical Models Of Water Functionalized Ferrofluid And Micropolar Ferrofluid Heat Flow Through Magnetic Field	Internal	Member	RDU190356	21,000	25/06/2019-24/09/2021
Modelling Of Cancer Cell Proliferation And Death In Response To Anticancer Therapeutics Of Thymoquinone (Tq)	FRGS/1/2019/ST G06/UM P/02/2	Member	RDU1901139	88,000	01/09/2019-30/05/2023
Mathematical Modelling On Magnetohydrodynamic (MHD) Flow And Heat Transfer Of Ferrofluid Over Various Surfaces	FRGS/1/2019/ST G06/UM P/02/1	Member	RDU1901124	70,300	01/09/2019-30/05/2022
Convective Boundary Layer Flow Of Viscoelastic Micropolar Fluid With Aligned Magnetohydrodynamic Effect	Internal	Member	RDU 1703258	20,000	30/06/2017-29/06/2019
Mathematical Model For Convective Boundary Layer Stagnation Flow Past F Sheet In Viscoelastic Fluid And Williamson Nanofluid	Internal	Member	RDU 1703187	20,000	30/06/2017-29/06/2019

****TOTAL GRANT=RM1, 081,500.00**

SUPERVISION

Doctoral Degree				
No.	Students	Title	Role	Status/ semester
PSE14001	Hussein Ali Muhammad Al Sharifi	Numerical Solutions on Boundary Layer of Eyring- Powell, Jeffrey and Casson Fluids over a Stretching	Main Supervision	Graduated In 2018

Surface				
PPT14008	Anju V. Nair	Mathematical Modelling of Fluids Structure Interactions with Structural Buckling	Main Supervision	Graduated In 2018
PSE15006	Nur Syamilah Binti Arifin	Proposed: Mathematical Model for Stagnation Flow in Non-Newtonian Fluid with Convective Boundary Condition	Main Supervision	Graduated In 2019
PSE15001	Laila Amera Binti Aziz	Proposed: Mathematical Modelling for Convection Boundary Layer Flows with Newtonian Heating and Convective Boundary Conditions	Main Supervision	2015-On Going
PSE15005	Syazwani Binti Mohd Zokri	Proposed: Mathematical Modelling on Convective Boundary Layer Flow of Jeffrey Fluid Under Convective Boundary Condition	Co Supervision	Graduated In 2019
PSE20001	Siti Farah Haryatie Bt Mohd Kanafiah	Development on Mathematical Model Brinkman-Viscoelastic Fluid over a different surfaces	Main Supervision	2020-On Going
PSE21004	Ahlam Mahmoud Zayed Aljabali	An Exact Analysis of Heat And Mass Transfer Past A Vertical Stretching Sheet Embedded on Eyring Fluid Flow with Temperature-Dependent Viscosity	Main Supervision	2021-On Going
PSE22005	Masyfu'ah Binti Mokhtar	Hybrid Williamson Nanofluid with Stability	Main Supervision	2022-On Going
PSE22004	Nur Syahidah Binti Nordin	Hybrid Reiner Phillipoff Nanofluid with multiple type of based fluid	Main Supervision	2022-On Going
PSE23003	Farahanie Binti Fauzi	Partial Differential Equation Model of Hybrid Nanofluid over a bluff body	Main Supervision	2023-On Going

Master Degree				
No.	Students	Title	Role	Status/ semester
MSE15002	Fadhlyya Arawaney Binti Abdul Ghani	Proposed: Wave Impact on Coastal Structures	Co supervision	Graduated
MSE13001	Sayed Qasim	Boundary Layer Stagnation	Co	Graduated

	Alavi	Point Flow Towards an Exponentially Stretching / Shrinking Sheet	supervision	
MSE18003	Ahlam Mahmoud Zayed Aljabali	Temperature Dependent Viscosity on Single-Phase and Two Phase Flow of Eyring Powell Fluid over a Vertical Stretching Sheet	Main Supervision	Graduated
CSM21001	Mohd Haziezan Bin Hassan	Comparative Study On Newtonian Fluid With And Without Dust Particles	Main Supervision (Dissertation)	Graduated

AWARDS

2011	Best Thesis Master Degree, 2011 (Consolation) from Persatuan Sains Matematik Malaysia (PERSAMA)
2012	Abdul Rahman Mohd Kasim, Best Oral Presentation in International Science Postgraduate Conference 2012, (ISPC2012) entitled Convective Boundary Layer Flow of a Viscoelastic Fluid over a Solid Sphere with Constant Heat Flux
2013	Bronze Medallist, in 15th Industrial Art & Technology Exhibition (INATEX) 2013, 2-4 October 2013, Universiti Teknologi Malaysia (UTM). Travel Grant for attending Asian Mathematical Conference 2013 at BEXCO, Busan, Korea.
2014	Gold Medallist, in Malaysia Technology Expo (MTE) 2014 for the invention/innovation of Algorithm of Boundary Layer Flow of Viscoelastic Fluid (BLFV), 20-22 February 2014, PWTC, Kuala Lumpur, Malaysia. Best Award in Malaysia Technology Expo (MTE) 2014 for the invention/innovation of Algorithm of Boundary Layer Flow of Viscoelastic Fluid (BLFV), 20-22 February 2014, PWTC, Kuala Lumpur, Malaysia. Excellent Academic Achievement 2013/2014 in KDSE & KDOJ Appreciation Night 2014, 28 May 2014, Universiti Teknologi Malaysia (UTM). Best Student Award of Postgraduate Studies 2014
2015	Best Thesis PhD 2015 (Consolation) from from Persatuan Sains Matematik Malaysia (PERSAMA)
2016	Bronze Medallist, "Mathematical Modeling on Jeffrey Fluid under Convective Boundary Condition" CITREX 2016, 7-8 March 2016, Universiti Malaysia Pahang (UMP). Bronze Medallist, "Aligned magnetic field on boundary layer flow and heat transfer over a stretching sheet" CITREX 2016, 7-8 March 2016, Universiti Malaysia Pahang

(UMP).

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- 2017 Silver medallist, "The development of numerical tool on a boundary layer flow of non-Newtonian fluid model" Creation, Innovation, Technology and Research Exposition (CiTReX) 2017, 15th - 16th March 2017, Universiti Malaysia Pahang
- Best Paper Awards for manuscript "Energy Dissipation of Free Convection Boundary Layer Flow in a Jeffrey fluid across a Horizontal Circular Cylinder with Suspended Nanoparticles" in The 3rd International Conference on Computing, Mathematics and Statistics 2017 (iCMS2017)
- Best Poster Presentation for Poster Presentation in Mechanical Engineering Research Day 2017, Universiti Teknikal Malaysia Melaka. March 2017 under topic Boundary layer flow of Jeffrey fluid over a stretching sheet with convective boundary conditions: Application in polymer processing.
- Hadiah Sanjungan, Kategori Penerbitan Jurnal, MHD Stagnation Point Flow Towards an Exponentially Stretching Sheet with Prescribed Wall Temperature and Heat Flux
-
- 2018 Certificate of outstanding contribution in reviewing the Karbala International Journal of Modern Science, Elsevier Journal with Impact Factor.
- Silver medallist, "The Almost Everywhere Convergence of the Eigenfunction Expansions of Elliptic Operators", Creation, Innovation, Technology and Research Exposition (CiTReX) 2017, 07th - 08th February 2018, Universiti Malaysia Pahang.
- Best Poster Award, The 5th Mechanical Engineering Research Day- Numerical Study of Unsteady Casson Fluid Flow and Heat Transfer Over a Stretching Surface with Modified Magnetic Field Effects
- Best Paper Award, International Conference on Science, Engineering & Technology 2018
-
- 2020 Bronze, 3rd Digitalised International Invention, Innovation & Design Johor 2020 (DIIID Johor 2020), Boundary Layer Flow of Dusty Jeffrey Fluid Model: Application in Teaching Tool
- Gold Medal, Citrex 2020, MOOC Calculus is a Piece of Cake: The Next Frontier
- Silver Medal, Citrex 2020, Dual Solutions of Magnetohydrodynamic Rotating Flow and Heat Transfer of Nanofluids
- Gold medal, 31st International Invention, Innovation & Technology Exhibition (ITEX'20) organised by the Malaysian Invention and Design Society (MINDS) and C.I.S Network Sdn Bhd (C.I.S) on 20-21 November 2020 for project "Interactive Cake-like MOOC Calculus"
-
- 2022 Anugerah Cendekia Bitara 2021
- Anugerah Khidmat Bakti Pengerusi VIVA
-

Anugerah Penerbitan PSM 2021

Anugerah Perkhidmatan Cemerlang bagi tahun 2021

2023 Anugerah Penerbitan PSM 2022

PUBLICATIONS

2010 Abdul Rahman Mohd Kasim and Sharidan Shafie, Mixed Convection Boundary layer of a Viscoelastic Fluid Past a Circular Cylinder with Constant Heat Flux, Proceedings of the 1st Regional Conference on Applied and Engineering Mathematics, 2010, Vol. 1, No. 20, pp. 124-129.

2011 Abdul Rahman Mohd Kasim, Mohd Ariff Admon, and Sharidan Shafie, Free Convection Boundary Layer Flow of a Viscoelastic Fluid in the Present of Heat Generation, Journal of World Academy Science Engineering and Technology, 2011, 75:492-49. (SCOPUS INDEXED)

Mohd Ariff Admon, Abdul Rahman Mohd Kasim, and Sharidan Shafie, Unsteady free convection flow over a three-dimensional stagnation point with internal heat generation or absorption, World Academy of Science, Engineering and Technology, 2011, 51(3):530-535. (SCOPUS INDEXED)

2012 Abdul Rahman Mohd Kasim, Nurul Farahain Mohammad, and Sharidan Shafie, Effect of heat generation on free convection boundary layer flow of a viscoelastic fluid past a horizontal circular cylinder with constant surface heat flux. AIP Conf. Proc., 2012, Vol. 1450, pp. 286-292. (SCOPUS INDEXED)

A. R. M. Kasim, N.F. Mohammad and S. Shafie, Effect of thermal stratification on MHD free convection with heat and mass transfer over an unsteady stretching surface with heat source, Hall current and chemical reaction, International Journal of Advances in Engineering Sciences and Applied Mathematics, 2012, 4(3):217-225.

Nurul Farahain Mohammad, Abdul Rahman Mohd Kasim, Anati Ali and Sharidan Shafie, Unsteady Mixed Convection Boundary Layer Flow past a Sphere in a Micropolar Fluid, AIP Conference Proceedings, Vol. 1450, pp. 211-217. (SCOPUS INDEXED)

A.R.M. Kasim, N.F. Mohammad, Aurangzaib, S. Sharidan, Natural Convection Boundary Layer Flow of a Viscoelastic Fluid on Solid Sphere with Newtonian Heating, World Academy of Science, Engineering and Technology, 2012, 64:628-633.

2013 I. Anwar, A. R. M. Kasim, Z. Ismail, M. Z. Salleh and S. Shafie, Chemical Reaction and Uniform Heat Generation or Absorption Effects on MHD Stagnation-Point Flow of a Nanofluid over a Porous Sheet, World Applied Sciences Journal, 2013, 24(10):1390-1398

Nurul Farahain Mohammad, Abdul Rahman Mohd Kasim, Anati Ali, Sharidan Shafie, Effect of MHD on unsteady boundary layer flow past a sphere, Proceedings of The 3rd Annual International Conference Syiah Kuala University (AIC Unsyiah) 2013 In

conjunction with The 2nd International Conference on Multidisciplinary Research (ICMR) 2013, Vol. 3, pp. 110-115.

A. R. M. Kasim, N.F. Mohammad, S.Sharidan and I. Pop, Constant Heat Flux Solution for Mixed Convection Boundary Layer Viscoelastic Fluid, Heat and Mass Transfer, 2013, 49(2):163-171. (ISI INDEXED, Impact Factor 2016 = 1.233).

A. R. M. Kasim, N.F. Mohammad and S. Shafie, Unsteady MHD mixed convection flow with heat and mass transfer over a vertical plate in a micropolar fluid-saturated porous medium, Journal of Applied Science and Engineering, 2013, 16(2):141-150. (SCOPUS INDEXED)

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A.R.M. Kasim, N.F. Mohammad, Aurangzaib and S. Shafie, MHD Effect on Convective Boundary Layer Flow of a Viscoelastic Fluid Embedded in Porous Medium with Newtonian Heating, Recent Advances in Mathematics, 2013, 4:182-189.

A. R. M. Kasim, Z. S. Othman, S.Sharidan and I. Pop, Generalized Blasius problem for a Viscoelastic Fluid with viscous dissipation and suction/injection effects, International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23(7):242-255. (ISI INDEXED, Impact Factor 2016=1.713).

A. Dasman, A.R.M. Kasim, N.F. Mohammad, Aurangzaib and S.Sharidan, Mixed Convection Boundary Layer Flow of Viscoelastic Fluids Past a Sphere, Defect and Diffusion Forum Vol. 336 (2013), 57-63. (SCOPUS INDEXED)

Aurangzaib, A.R.M. Kasim, N.F. Mohammad, S. Shafie, Unsteady MHD Mixed Convection Stagnation Point Flow in a Micropolar Fluid on a Vertical Surface in a Porous Medium with Soret and Dufour Effects, Heat Transfer Research, 2013, 44(7):603-620. (ISI INDEXED- Impact Factor 2016 = 0.868).

Aurangzaib, A. R. M. Kasim, N. F. Mohammad and S. Shafie, Unsteady MHD mixed convection flow with heat and mass transfer over a vertical plate in a micropolar fluid-saturated porous medium, Journal of Applied Science and Engineering, 2013, 16(2):141-150. (SCOPUS INDEXED)

A.R.M. Kasim, N.F. Mohammad, Aurangzaib and S.Sharidan, Natural Convection Boundary Layer Flow Past a Sphere with Constant Heat Flux in Viscoelastic Fluid, Jurnal Teknologi, 2013, 62(3):27-32. (SCOPUS INDEXED)

Nabilah Naser, Aurangzaib, Abdul Rahman Mohd Kasim, and Sharidan Shafie, The Effect of g -Jitter on Double Diffusion by Mixed Convection Adjacent to a Vertical Stretching Sheet, International Journal of Applied Mathematics and Statistics™, 2013, 43(13): 185-192. (SCOPUS INDEXED)

Abdul Rahman Mohd Kasim, Nurul Farahain Mohammad, Aurangzaib, and Sharidan Shafie, Mixed convection flow of viscoelastic fluid over a sphere with constant heat flux, AIP Conference Proceedings, 2013, Vol. 1522, pp. 453-461. (SCOPUS INDEXED)

A.R.M. Kasim, N.F. Mohammad, Aurangzaib Aurangzaib, and S. Shafie, MHD Mixed Convection Flow of Viscoelastic Fluid Embedded in Porous Medium, Malaysian Journal of Fundamental and Applied Sciences, 2013, 9(1):22-27. (INDEXED JOURNAL)

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N. F. Mohammad, A. R.M. Kasim, A. Ali, and S. Shafie, Separation times analysis of unsteady magnetohydrodynamics mixed convective flow past a sphere, AIP Conference Proceedings, 2014, Vol. 1605, pp. 349-354. (SCOPUS INDEXED)

Noraihan Afiqah Rawi, Abdul Rahman Mohd Kasim, Anati Ali, Mukheta Isa, and Sharidan Shafie, The effect of g-jitter on double diffusion by mixed convection past an inclined stretching sheet, AIP Conference Proceedings, 2014, Vol. 1605, pp. 392-397. (SCOPUS INDEXED)

N.A. Rawi, A.R.M. Kasim, M. Isa, S. Sharidan, g-Jitter Induced Mixed Convection Flow of Heat and Mass Transfer past an Inclined Stretching Sheet, Jurnal Teknologi, 2014, 71(1):27-31. (SCOPUS INDEXED)

2015 A. R. M. Kasim, L. Y. Jiann, N. A. Rawi, A. Ali and S. Shafie, Mixed Convection Flow of Viscoelastic Fluid over a Sphere under Convective Boundary Condition Embedded in Porous Medium, Defect and Diffusion Forum, 2015, 362: 67-75.

N Afiqah Rawi, Y Jiann Lim, A Rahman M Kasim, Mukheta Isa, Sharidan Shafie, g-Jitter Induced Free Convection of Heat and Mass Transfer Flow near a Two-Dimensional Stagnation Point in Micropolar Fluid, Advances in Mathematics and Statistical Sciences, 2015, 254-262.

N.A. Rawi, A.R.M. Kasim, M. Isa, and S. Shafie, G-Jitter Induced MHD Mixed Convection Flow Past an Inclined Stretching Sheet, Defect and Diffusion Forum, 2015, 362: 76-83. (INDEXED JOURNAL)

2016 N.S. Arifin, S.M. Zokri, A.R.M. Kasim, M.Z. Salleh and N.F. Mohammad, Numerical Solutions of the Aligned Magnetic Field on the Boundary Layer Flow and Heat Transfer over a Stretching Sheet by using Keller Box Method, The Third National Conference for Postgraduate Research (NCON-PGR2016), pp. 266-274. (Proceeding)

H. A. M. Al-Sharifi¹, L.A. Aziz, A. R. M. Kasim, M. Z. Salleh, S. Shafie, Influence of Slip Velocity and Aligned Magnetohydrodynamics on Convective Boundary Layer Flow of Jeffrey Fluid with Convective Boundary Condition Across Stretching Sheet, The Third National Conference for Postgraduate Research (NCON-PGR2016), pp. 886-891. (Proceeding)

Syazwani Mohd Zokri, Nur Syamilah Arifin, Muhammad Khairul Anuar Mohamed, Mohd Zuki Salleh and Abdul Rahman Mohd Kasim, Numerical Solutions on Mixed Convection Boundary Layer and Heat Transfer of Jeffrey Fluid over a Horizontal Circular Cylinder by using Keller-box Method, The Third National Conference for Postgraduate Research (NCON-PGR2016), pp. 913-926. (Proceeding)

Muhammad Khairul Anuar Mohamed, Norhafizah Md Sarif, Abdul Rahman Mohd Kasim,

Nor Aida Zuraimi Md Noar, Mohd Zuki Salleh and Anuar Ishak, Effects Of Viscous Dissipation On Free Convection Boundary Layer Flow Towards A Horizontal Circular Cylinder, *ARPN Journal of Engineering and Applied Sciences*, 2016, 11(11):7258-7263. (SCOPUS INDEXED)

Anju V Nair, Abdul Rahman Mohd Kasim, and Mohd Zuki Salleh, Mathematical formulation to study the thermal post buckling of orthotropic circular plates, *The Third National Conference for Postgraduate Research (NCON-PGR2016)*, pp. 933-938. (Proceeding)

H. A. M. Al-Sharifi, A. R. M. Kasim, M. Z. Salleh, N Md. Sarif, N. F. Mohammad, S. Shafie, and A. Ali, Influence of Slip Velocity on Convective Boundary Layer Flow of Jeffrey Fluid under Convective Boundary Conditions, *ARPN Journal of Engineering and Applied Sciences*, 2016, 11(18):10950-10953. (SCOPUS INDEXED)

Norhafizah Md Sarif, Mohd Zuki Salleh, Abdul Rahman Mohd Kasim, Leony Tham, and Roslinda Nazar, Numerical Study of Mixed Convection Boundary Layer Flow Near the Lower Stagnation Point Of a Horizontal Circular Cylinder in Nanofluids, *ARPN Journal of Engineering and Applied Sciences*, 2016, 11(11):7274-7278. (SCOPUS INDEXED)

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Hussein Ali Mohammed Al-Sharifi, Abdul Rahman Mohd Kasim, and Mohd Zuki Salleh, Effect of Newtonian Heating on the Mixed Convection Boundary Layer Flow of Eyring-Powell Fluid Across a Nonlinearly Stretching Sheet, *Journal of Engineering and Applied Sciences*, 2016, 11(11): 2372-2377. (SCOPUS INDEXED)

Anju V Nair, Abdul Rahman Mohd Kasim, and Mohd Zuki Salleh, Mathematical formulation to study the thermal post buckling of orthotropic circular plates, *The Third National Conference for Postgraduate Research (NCON-PGR2016)*, pp. 933-938. (Proceeding)

Noraihan Afiqah Rawi, Nor Athirah Mohd Zin, Abdul Rahman Mohd Kasim, Sharidan Shafie, g-Jitter induced MHD mixed convection flow of nanofluids past a vertical stretching sheet, *AIP Conference Proceedings*, 2016, Vol. 1750, pp. 030017. (SCOPUS INDEXED)

Anju V Nair, Abdul Rahman Mohd Kasim, and Mohd Zuki Salleh, Mathematical formulation to study the thermal post buckling of orthotropic circular plates, *The Third National Conference for Postgraduate Research (NCON-PGR2016)*, pp. 933-938. (Proceeding)

Noraihan Afiqah Rawi, Nor Athirah Mohd Zin, Abdul Rahman Mohd Kasim, Sharidan Shafie, g-Jitter induced MHD mixed convection flow of nanofluids past a vertical stretching sheet, *AIP Conference Proceedings*, 2016, Vol. 1750, pp. 030017. (SCOPUS INDEXED)

Hussein Ali Mohammed Al-Sharifi, Abdul Rahman Mohd Kasim, and Mohd Zuki Salleh, Effect of Newtonian Heating on the Mixed Convection Boundary Layer Flow of Eyring-Powell Fluid Across a Nonlinearly Stretching Sheet, *Journal of Engineering and Applied Sciences*, 2016, 11(11): 2372-2377. (SCOPUS INDEXED)

Muhammad Imran Anwar, Abdul Rahman Mohd Kasim, Mohd Zuki Salleh, and Sharidan Shafie, Radiation Effect on MHD Stagnation-point Flow of a Nanofluid over Nonlinear Stretching Sheet with Convective Boundary Condition, *Heat Transfer Research*, 2016, 47(9): 797-816. (ISI INDEXED Impact Factor-2016 = 0.868)

Anju V Nair, Abdul Rahman Mohd Kasim, and Mohd Zuki Salleh, Mathematical formulation to study the thermal post buckling of orthotropic circular plates, *The Third National Conference for Postgraduate Research (NCON-PGR2016)*, pp. 933-938. (Proceeding)

2017 Syazwani Mohd Zokri, Nur Syamilah Arifin, Muhammad Khairul Anuar Mohamed, Mohd Zuki Salleh, Abdul Rahman Mohd Kasim, Nurul Farahain Mohammad, Influence of radiation and viscous dissipation on magnetohydrodynamic Jeffrey fluid over a stretching sheet with convective boundary conditions, *Malaysian Journal of Fundamental and Applied Sciences*, 2017, 13(3):279-284. (INDEXED JOURNAL)

S. M. Zokri, N. S. Arifin, M. K. A. Mohamed, M. Z. Salleh, A. R. M. Kasim, and N. F. Mohammad, Mixed convection boundary layer flow over a horizontal circular cylinder in a Jeffrey fluid, *AIP Conference Proceedings*, 2017, 1842, pp. 030007. (SCOPUS INDEXED)

H. A. M. Al-Sharifi, A. R. M. Kasim, M. Z. Salleh, S. Shafie, Numerical Solutions on Flow and Heat Transfer of Non-Newtonian Jeffrey Micropolar Fluid, *Indian Journal of Science and Technology*, 2017, 10(7):1-5.

Laila Amera Aziz, Abdul Rahman Mohd Kasim, Mohd Zuki Salleh, Sharidan Shafie, Wan Nur Syahidah Wan Yusoff, Boundary layer flow of mixed convection viscoelastic micropolar fluid over a horizontal circular cylinder with aligned magnetohydrodynamic effect, *Malaysian Journal of Fundamental and Applied Sciences*, 13(4):567-571. (INDEXED JOURNAL)

Rahimah Mahat, Noraihan Afiqah Rawi, Abdul Rahman Mohd Kasim, and Sharidan Shafie, Mixed convection boundary layer flow past a horizontal circular cylinder in viscoelastic nanofluid with constant wall temperature, *Malaysian Journal of Fundamental and Applied Sciences*, 13(4-1):310-314. (INDEXED JOURNAL)

Sayed Qasim Alavi, Abid Hussanan, Abdul Rahman Mohd Kasim, Norhayati Rosli, Mohd Zuki Salleh, MHD Stagnation Point flow Towards an Exponentially Stretching Sheet with Prescribed wall Temperature and Heat Flux, *International Journal of Applied and Computational Mathematics*, 2017, 3(4):3511-3523.

Laila Amera Aziz, Abdul Rahman Mohd Kasim, Mohd Zuki Salleh, Nur Syahidah Yusoff, and Sharidan Shafie, Magnetohydrodynamics effect on convective boundary layer flow and heat transfer of viscoelastic micropolar fluid past a sphere, *Journal of Physics: Conference Series*, 2017, Vol. 890, pp. 012003. (SCOPUS INDEXED)

Rahimah Mahat, Noraihan Afiqah Rawi, Abdul Rahman Mohd Kasim, and Sharidan Shafie, Mixed convection boundary layer flow of viscoelastic nanofluid past a horizontal circular cylinder: Case of constant heat flux, *Journal of Physics: Conference Series*, 2017, Vol. 890, pp. 012052. (SCOPUS INDEXED)

Anju V Nair, Abdul Rahman Mohd Kasim, and Mohd Zuki Salleh, A suitable numerical approximation for the thermal postbuckling behaviour of orthotropic circular plates,

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Nor Raihan Mohamad Asimoni, Nurul Farahain Mohammad, Abdul Rahman Mohd Kasim, and Sharidan Shafie, MHD free convective flow past a vertical plate, Journal of Physics: Conference Series, 2017, Vol. 890, pp. 012009. (SCOPUS INDEXED)

N S Arifin, S M Zokri, A R M Kasim, M Z Salleh, N F Mohammad, W N S W Yusoff, Aligned magnetic field of two-phase mixed convection flow in dusty Casson fluid over a stretching sheet with Newtonian heating, Journal of Physics: Conference Series, 2017, Vol. 890, pp. 012001. (SCOPUS INDEXED)

S M Zokri, N S Arifin, M Z Salleh, A R M Kasim, N F Mohammad, W N S W Yusoff, MHD Jeffrey nanofluid past a stretching sheet with viscous dissipation effect, Journal of Physics: Conference Series, 2017, Vol. 890, pp. 012002. (SCOPUS INDEXED)

Fadhlyya Arawaney Abdul Ghani, Mohd Shahridwan Ramli, Nor Aida Zuraimi Md Noar, Abdul Rahman Mohd Kasim, Martin Greenhow, Mathematical modelling of wave impact on floating breakwater, Journal of Physics: Conference Series, 2017, Vol. 890, pp. 012005. (SCOPUS INDEXED)

S. M. Zokri, , N. S. Arifin, , M. K. A. Mohamed, , M. Z. Salleh, , A. R. M. Kasim, and , and N. F. Mohammad, Numerical solution on mixed convection boundary layer flow past a horizontal circular cylinder in a Jeffrey fluid with constant heat flux, AIP Conference Proceedings, 2017, Vol. 1870, pp. 040034. (SCOPUS INDEXED)

N. S. Arifin, S. M. Zokri, A. R. M. Kasim, M. Z. Salleh, and N. F. Mohammad, The aligned magnetic field of a dusty fluid flow over a stretching sheet, AIP Conference Proceedings, 2017, Vol. 1870, pp. 040033. (SCOPUS INDEXED)

Nurul Farahain Mohammad, Iskandar Waini, Abdul Rahman Mohd Kasim, and Nurazleen Abdul Majid, Unsteady boundary layer flow over a sphere in a porous medium, AIP Conference Proceedings, 2017, Vol. 1870, pp. 040076. (SCOPUS INDEXED)

Muhammad Khairul Anuar Mohamed, Nor Aida Zuraimi Md Noar, Zulkhibri Ismail, Abdul Rahman Mohd Kasim, Norhafizah Md Sarif, Mohd Zuki Salleh, and Anuar Ishak, Slip effect on stagnation point flow past a stretching surface with the presence of heat generation/absorption and Newtonian heating, AIP Conference Proceedings, 2017, Vol. 1867, pp. 020009. (SCOPUS INDEXED)

Nur Syamilah Arifin, Syazwani Mohd Zokri, Abdul Rahman Mohd Kasim, Mohd Zuki Salleh, Wan Nur Syahidah Wan Yusoff, Nurul Farahain Mohammad, and Sharidan Shafie, Aligned magnetic field on dusty Casson fluid over a stretching sheet with Newtonian heating, Malaysian Journal of Fundamental and Applied Sciences, 13(3):245-248. (INDEXED JOURNAL)

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N S Arifin, S M Zokri, Laila Amara Aziz, Abdul Rahman Mohd Kasim, Mohd Zuki Salleh, Nurul Farahain Mohammad, The aligned magnetic field with convective boundary conditions over a stretching sheet in a viscous fluid, AIP Conference Proceedings, 2017,

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S Mohd Zokri, NS Arifin, AR Mohd Kasim, Mohd Zuki Salleh, Passive control of nanoparticles on MHD Jeffrey nanofluid past a convectively heated moving plate with thermal radiation, International Journal of Automotive and Mechanical Engineering, 15, 4, 5775-5792

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H-INDEX AND CITATION (SCOPUS)

H-index	Number of citation
13	656

H-INDEX AND CITATION (GOOGLE SCHOLAR)

H-index	Number of citation
17	1120

COMPUTER SKILLS

Programming Languages	MATLAB, FORTRAN, MAPLE, VBA
Applications	Microsoft Office Suite, Internet Explorer, Mozilla Firefox, Google Chrome, MathType

LANGUAGES

Bahasa Malaysia	Mothertongue
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English	Intermediate <i>Conversationaly fluent</i>
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