



## CURRICULUM VITAE (UPDATED: AUGUST 2022)



### I. PERSONAL PARTICULARS

<b>Name</b>	Dr. Mohd Anuar bin Jamaludin
<b>Current Position</b>	Senior Lecturer DS52
<b>Faculty / Department</b>	Jabatan Matematik, Pusat Asasi Pertahanan
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### II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS

Year	Degree	Field of Study	University
2003–2006	Bachelor of Science (BSc)	Industrial Mathematics	UTM
2006–2008	Master of Science (MSc)	Mathematics	UTM
2016–2019	Doctor of Philosophy (PhD)	Mathematics	UKM

### III. TITLES OF POSTGRADUATE THESES WRITTEN

No.	TITLES OF POSTGRADUATE THESES
1.	Heat Transfer over a Stretching Sheet with Viscous Dissipation and Internal Heat Generation (MSc)
2.	Beberapa Masalah Aliran Lapisan Sempadan Olakan Campuran bagi Nanobendalir: Penyelesaian Berangka dan Analisis Kestabilan (PhD)

### IV. CAREER HISTORY

Year	Position	Organisation
2007–2008	Research Assistant	UTM
2008–2009	Lecturer	UniMAP
2009–2020	Lecturer	UPNM
2020–Present	Senior Lecturer	UPNM

# 1 TEACHING

## Postgraduate Courses

No.	Course Title	Semester	Year
1.	Research Methodology (Science, Mathematics & Statistics) Topic: The Literature Review	1	2020
2.	Research Methodology (Science, Mathematics & Statistics) Topic: The Literature Review	1	2021

## First Degree Courses

No.	Course Title	Semester	Year
1.	EFA 1103 Engineering Mathematics I	1	2009/2010
2.	EFA 2103 Engineering Mathematics III	1	2009/2010
3.	EFA 1203 Engineering Mathematics II	2	2009/2010
4.	EFA 1103 Engineering Mathematics I	1	2010/2011
5.	EFA 1203 Engineering Mathematics II	2	2010/2011
6.	EFA 1103 Engineering Mathematics I	1	2011/2012
7.	EFA 1203 Engineering Mathematics II	2	2011/2012
8.	EFA 1103 Engineering Mathematics I	1	2012/2013
9.	EFA 1203 Engineering Mathematics II	2	2012/2013
10.	EFA 1103 Engineering Mathematics I	1	2013/2014
11.	EFA 1203 Engineering Mathematics II	2	2013/2014

## Foundation Studies Courses

No.	Course Title	Semester	Year
1.	FMA 0116 Mathematics I	1	2014/2015
2.	FMA 0126 Mathematics II	2	2014/2015
3.	FMA 0116 Mathematics I	1	2015/2016
4.	FMA 0126 Mathematics II	2	2015/2016
5.	FMA 0116 Mathematics I	1	2016/2017
6.	FMA 0116 Mathematics I	1	2019/2020
7.	FMA 0134 Mathematics III	2	2019/2020
8.	FMA 0116 Mathematics I	1	2020/2021
9.	FMA 0134 Mathematics III	2	2020/2021
10.	FMA 0116 Mathematics I	1	2021/2022
11.	FMA 0134 Mathematics III	2	2021/2022
12.	FMA 0116 Mathematics I	1	2022/2023

## 2 SUPERVISION

### PhD Supervision (Ongoing)

No.	Name of Student	Field of Research/Title of thesis	Date of Registration	Role (Main SV/ Co-SV)
1.	Mohamad Syafiq bin Zainodin	Mathematical Modelling of Mixed Convection Flow and Heat Transfer over Moving Surface in a Hybrid Ferrofluid	March 2021	Co-SV
2.	Nur Sakinah binti Idris	Modelling of Boundary Layer Flow and Heat Transfer over Stretching/Shrinking Surface in Various Hybrid Nanofluids	September 2021	Co-SV

### MSc (by research) Supervision (Ongoing)

No.	Name of Student	Field of Research/Title of thesis	Date of Registration	Role (Main SV/ Co-SV)
1.	Nurul A'isyah binti Jaafar	Mathematical Modelling of Boundary Layer Flow and Heat Transfer in Hybrid Nanofluid	March 2021	Main-SV
2.	Nur Aisyah binti Aminuddin	Non-Newtonian Hybrid Nanofluid and Heat Transfer with Entropy Generation Effect	March 2022	Co-SV

### First Degree/Final Year Research Project Supervision (Ongoing)

No.	Name of Student	Field of Research/Title of thesis	Date of Registration	Role (Main SV/ Co-SV)
1.	Mohamad Sazri Fahmi bin Ramli (UiTM Seremban)	Numerical Solution of Three Dimensional Flow of Nanofluid over a Non-linearly Permeable Shrinking Sheet using BVP4C	March 2021	Co-SV
2.	Farah Syazwani binti Sulaiman (UiTM Seremban)	Numerical Solution of Three Dimensional Flow of Nanofluid over a Non-linearly Permeable Shrinking Sheet using BVP4C	March 2021	Co-SV

3.	Raja Nurfarisya Hanim binti Raja Abd Rahim (UiTM Seremban)	Numerical Solution of Three Dimensional Flow of Nanofluid over a Non-linearly Permeable Shrinking Sheet using BVP4C	March 2021	Co-SV
4.	Nur Athirah Farhanah binti Mohamad Rosdi (UiTM Seremban)	Numerical Solution of MHD Flow of Nanofluid at the Forward Stagnation Point of an Infinite Permeable Shrinking Wall with Convection Boundary Condition using BVP4C	March 2021	Co-SV
5.	Nurathirah Farhanah binti Harizan (UiTM Seremban)	Numerical Solution of MHD Flow of Nanofluid at the Forward Stagnation Point of an Infinite Permeable Shrinking Wall with Convection Boundary Condition using BVP4C	March 2021	Co-SV
6.	Nurul Shaliyanie binti Saruan (UiTM Seremban)	Numerical Solution of MHD Flow of Nanofluid at the Forward Stagnation Point of an Infinite Permeable Shrinking Wall with Convection Boundary Condition using BVP4C	March 2021	Co-SV

### 3 REVIEWER

No.	Journals/ Conference Proceedings/Book Chapters
1.	Zeitschrift für Naturforschung A (May 2019)
2.	Solid State Science and Technology (March 2020)
3.	Physica A (April 2020)
4.	Zeitschrift für Naturforschung A (October 2020)
5.	Zeitschrift für Naturforschung A (December 2020)
6.	International Journal of Numerical Methods for Heat and Fluid Flow (January 2021)
7.	Sādhanā (January 2021)
8.	Partial Differential Equations in Applied Mathematics (February 2021)
9.	Journal of Physics: Conference Series (March 2021)
10.	Journal of Physics: Conference Series (May 2021)
11.	Punjab University Journal of Mathematics (July 2021)
12.	Recent Advances in Mathematical Sciences (July 2021)
13.	Chinese Journal of Physics (August 2021)
14.	Data Analytics and Applied Mathematics (September 2021)
15.	Zeitschrift für Naturforschung A (October 2021)
16.	Materials Today: Proceedings (October 2021)
17.	Chinese Journal of Physics (November 2021)
18.	Mathematics (December 2021)
19.	AIP Conference Proceedings (August 2022)

## 4 CONFERENCES

### International Conferences (as Invited Speaker)

No.	Event
1.	3 <sup>rd</sup> International Conference on Applied & Industrial Mathematics and Statistics 2022 (ICoAIMS 2022) on 24 <sup>th</sup> -26 <sup>th</sup> August 2022 (Microsoft Teams).

### Local and International Conferences (as presenter)

No.	Event
1.	Simposium Kebangsaan Sains Matematik Ke 24 (SKSM24) on 27 <sup>th</sup> -29 <sup>th</sup> September 2016 at Primula Beach Hotel, Kuala Terengganu.
2.	The 4 <sup>th</sup> International Conference on Mathematical Sciences (ICMS4) on 15 <sup>th</sup> -17 <sup>th</sup> November 2016 at Palm Garden Hotel, Putrajaya.
3.	1 <sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics 2017 (ICoAIMS 2017) on 8 <sup>th</sup> -10 <sup>th</sup> August 2017 at Vistana Kuantan City Centre, Pahang.
4.	The 18 <sup>th</sup> Postgraduate Colloquium, FST UKM on 4 <sup>th</sup> -6 <sup>th</sup> April 2018 at FST, UKM.
5.	14 <sup>th</sup> International Symposium on Geometric Function Theory and Applications on 3 <sup>rd</sup> – 5 <sup>th</sup> December, 2018 at Hotel Puri Pujangga, UKM Bangi.
6.	International Conference on Mathematical Sciences and Technology 2018 (MathTech 2018) on 10 <sup>th</sup> –12 <sup>th</sup> December, 2018 at Hotel Equatorial Penang.
7.	2 <sup>nd</sup> International Conference on Applied & Industrial Mathematics and Statistics 2019 (ICoAIMS 2019) on 23 <sup>rd</sup> -25 <sup>th</sup> July 2019 at The Zenith Hotel, Kuantan Pahang.

## 5 RESEARCH PROJECTS

No.	Title	Role	Grant Year	Source Amount	Status
1.	Modelling of Boundary Layer Flow and Heat Transfer over Stretching/Shrinking Surface in Various Hybrid Nanofluids <b>CRG/UPNM/2019/ST/04</b>	Principal Investigator (PI)	2019–2023	<b>RM 28 000</b>	Ongoing
2.	Boundary Layer Flow and Heat Transfer over a Submarine Hull at Rest <b>CRG/UPNM/2019/ST/05</b>	Co-Investigator	2019–2023	<b>RM 28 000</b>	Ongoing
3.	Mathematical Modelling of Mixed Convection Flow and Heat Transfer over Moving Surface in a Hybrid Ferrofluid <b>FRGS/1/2020/STG06/UPNM/03/1</b>	Principal Investigator (PI)	2020–2024	<b>RM 93 400</b>	Ongoing
4.	Mathematical Modeling of Non-Newtonian Powell-Eyring Hybrid Nanofluid Flow over Moving Surfaces with Entropy Generation <b>FRGS/1/2021/STG06/UPNM/02/1</b>	Co-Investigator	2021–2023	<b>RM 80 000</b>	Ongoing

## 6 LIST OF PUBLICATIONS

### Academic Journal Articles

No.	Publications
1.	<b>Jamaludin A.</b> , Nazar R, Pop I. (2017). Three-dimensional mixed convection stagnation-point flow over a permeable vertical stretching/shrinking surface with a velocity slip. <i>Chinese Journal of Physics</i> , 55, 1865-1882. ( <i>WoS Indexed Journal</i> )
2.	<b>Jamaludin, A.</b> , Nazar, R., & Pop, I. (2018). Three-dimensional magnetohydrodynamic mixed convection flow of nanofluids over a nonlinearly permeable stretching/shrinking sheet with velocity and thermal slip. <i>Applied Sciences</i> , 8, 1128. ( <i>WoS Indexed Journal</i> )
3.	<b>Jamaludin, A.</b> , Nazar, R., & Pop, I. (2018). Ingham problem for mixed convection flow of a nanofluid over a moving vertical plate with suction and injection effects. <i>Sains Malaysiana</i> , 47(9), 2213-2221. ( <i>WoS Indexed Journal</i> )
4.	<b>Jamaludin, A.</b> , Nazar, R., & Pop, I. (2019). Mixed convection stagnation point flow of a nanofluid past a permeable stretching/shrinking sheet in the presence of thermal radiation and heat source/sink. <i>Energies</i> 12, 788. ( <i>WoS Indexed Journal</i> )
5.	<b>Jamaludin, A.</b> , Naganthran, K., Nazar, R., & Pop, I. (2020). Thermal radiation and MHD effects in the mixed convection flow of Fe <sub>3</sub> O <sub>4</sub> -water ferrofluid towards a nonlinearly moving surface. <i>Processes</i> , 8, 95. ( <i>WoS Indexed Journal</i> )
6.	<b>Jamaludin, A.</b> , Naganthran, K., Nazar, R., & Pop, I. (2020). MHD mixed convection stagnation-point flow of Cu-Al <sub>2</sub> O <sub>3</sub> /water hybrid nanofluid over a permeable stretching/shrinking surface with heat source/sink. <i>European Journal of Mechanics-B/Fluids</i> , 84, 71-80. ( <i>WoS Indexed Journal</i> )
7.	Jusoh, R., Naganthran, K., <b>Jamaludin, A.</b> , Ariff, M. H., Basir, M. F. M., & Pop, I. (2020). Mathematical analysis of the flow and heat transfer of Ag-Cu hybrid nanofluid over a stretching/shrinking surface with convective boundary condition and viscous dissipation. <i>Data Analytics and Applied Mathematics (DAAM)</i> , 1(01), 11-22.
8.	Basir, M. F. M., Naganthran, K., Azhar, E., Mehmood, Z., Mukhopadhyay, S., Nazar, R., <b>Jamaludin, A.</b> , Baleanu, D., Nisar, K. S., & Khan, I. (2020). Unsteady nano-bioconvective channel flow with effect of nth order chemical reaction. <i>Open Physics</i> , 18(1), 1011-1024. ( <i>WoS Indexed Journal</i> )
9.	<b>Jamaludin, A.</b> , Nazar, R., Naganthran, K., & Pop, I. (2021). Mixed convection hybrid nanofluid flow over an exponentially accelerating surface in a porous media. <i>Neural Computing and Applications</i> , 1-11. ( <i>WoS Indexed Journal</i> )
10.	<b>Jamaludin, A.</b> , Nazar, R., & Pop, I. (2022). Mixed convection stagnation-point flow of Cross fluid over a shrinking sheet with suction and thermal radiation. <i>Physica A: Statistical Mechanics and its Applications</i> , 585, 126398. ( <i>WoS Indexed Journal</i> )
11.	Jaafar, A., Waini, I., <b>Jamaludin, A.</b> , Nazar, R., & Pop, I. (2022). MHD flow and heat transfer of a hybrid nanofluid past a nonlinear surface stretching/shrinking with effects of thermal radiation and suction. <i>Chinese Journal of Physics</i> , In Press, Journal Pre-proof. ( <i>WoS Indexed Journal</i> )



## Proceedings Articles

No.	Publications
1.	<b>Jamaludin, M. A.</b> , Nazar, R. & Shafie, S. (2017). Numerical solution of heat transfer past a stretching sheet with viscous dissipation and internal heat generation with prescribed surface temperature. AIP Conference Proceedings 1830, 020058. ( <i>Scopus Indexed Proceedings</i> )
2.	<b>Jamaludin, A.</b> , Nazar, R. & Shafie, S. (2017). Boundary layer flow and heat transfer in a viscous fluid over a stretching sheet with viscous dissipation, internal heat generation and prescribed heat flux. AIP Conference Proceedings 1870, 040029. ( <i>Scopus Indexed Proceedings</i> )
3.	<b>Jamaludin, A.</b> , Nazar, R. & Pop, I. (2017). Stability analysis of flow and heat transfer over a permeable stretching/shrinking sheet with internal heat generation and viscous dissipation. Journal of Physics: Conference Series 890, 012039. ( <i>Scopus Indexed Proceedings</i> )
4.	<b>Jamaludin, A.</b> & Nazar, R. (2019). Dual solutions of stagnation-point flow over an exponentially stretching/shrinking sheet in a porous medium with suction and velocity slip: A stability analysis. Journal of Physics: Conference Series 1212, 012026. ( <i>Scopus Indexed Proceedings</i> )
5.	<b>Jamaludin, A.</b> & Nazar, R. (2019). Numerical solutions of boundary layer flow over a nonlinearly permeable shrinking sheet with slip effects. AIP Conference Proceedings 2111, 020005. ( <i>Scopus Indexed Proceedings</i> )
6.	<b>Jamaludin, A.</b> , Nazar, R. & Pop, I. (2019). Non-uniqueness of solutions to a MHD stagnation-point flow over an exponentially permeable stretching/ shrinking sheet with velocity slip. Journal of Physics: Conference Series 1366, 012040. ( <i>Scopus Indexed Proceedings</i> )
7.	<b>Jamaludin, A.</b> & Nazar, R. (2019). Stability analysis of magnetohydrodynamic stagnation-point flow over nonlinearly permeable stretching/shrinking sheet with velocity slip. AIP Conference Proceedings 2184, 060024. ( <i>Scopus Indexed Proceedings</i> )

## Book

No.	Publications
1.	<b>Jamaludin, A.</b> & Nazar, R. 2020. <i>Nanobendalir: Model Matematik &amp; Penyelesaian</i> . Bangi: Penerbit UKM. ISBN 978-967-2429-14-2

## 7 AWARDS AND RECOGNITION

No	Name of Award	Awarding Institution	Year	Level
1.	Anugerah Akademik Cemerlang 2014: Kategori Pengajaran dan Pembelajaran	UPNM	2014	University
2	Anugerah PERSAMA 2020: Hadiah Utama Kategori Tesis Doktor Falsafah	Persatuan Sains Matematik Malaysia (PERSAMA)	2020	National
3.	Excellent Thesis Award	Faculty of Science & Technology, UKM	2020	University
4.	Graduate on Time Award	Faculty of Science & Technology, UKM	2020	University
5.	Golden Articles: Top Researchers Most Cited in 2020	PPPI UPNM	2020	University
6.	Golden Talents: Top Achievers in 2020	PPPI UPNM	2020	University
7.	Anugerah Akademik Cemerlang 2020: Kategori Anugerah Penerbitan Buku (Sains dan Teknologi)	UPNM	2020	University
8.	Anugerah Kualiti Timbalan Naib Canselor (Penyelidikan dan Inovasi): Kategori Anugerah Skim Insentif Hasil Penyelidikan dan Inovasi 2020	UPNM	2020	University
9.	Gold Award, PKP Publication Contest 1	PPPI UPNM	2020	University
10.	Gold Award, PKP Publication Contest 2	PPPI UPNM	2021	University
11.	Gold Award, PKP Publication Contest 3	PPPI UPNM	2021	University
12.	Anugerah PERSAMA 2021: Hadiah Sanjungan Kategori Buku Karya Asli	Persatuan Sains Matematik Malaysia (PERSAMA)	2021	National
13.	Silver Award, CITREX 2022	Universiti Malaysia Pahang (UMP)	2022	University
14.	1 Silver, 2 Bronze Awards, DSS 2022	UPNM	2022	University

## 8 ADMINISTRATIVE DUTIES

No	Role	Level	Year
1.	Head of Department, Department of Mathematics, PAP	Pusat Asasi Pertahanan	2011–2013
2.	Committee Member of Critical Agenda Project (CAP) on e-Learning	Pejabat Pengurusan Program Institusi (IPMO)	2012–2014
3.	Committee Member of New Programme, Bachelor of Science (Operational Research and Data Science)	Pusat Asasi Pertahanan	2015–2016
4.	Advisory Committee of Jawatankuasa Perwakilan Pelajar Asasi (JPPA)	Pusat Asasi Pertahanan	2019–Present
5.	Coordinator of STEM	Pusat Asasi Pertahanan	2020
6.	Head of Department, Department of Mathematics, PAP	Pusat Asasi Pertahanan	2021–2022
7.	Deputy Director (Academic & Undergraduate) PAP	Pusat Asasi Pertahanan	2022–2024

## 9 PROFESSIONAL AFFILIATION/MEMBERSHIP

No	Organisation	Role	Level	Year
1.	Persatuan Sains Matematik Malaysia (PERSAMA)	Member	National	2019–Present

## 10 TECHNICAL CONTRIBUTIONS

No	Activity	Year
1.	Editorial Board Members of Journal of Applied Numerical in Engineering	2019–Present
2.	Editor of ZULFAQAR Journal of Science, Engineering & Technology (JDSET)	2020–Present

## 11 CONTRIBUTION/INVOLVEMENT IN SPORTS ACTIVITIES

No	Activity	Venue	Role	Year
1.	Sukan Staf Universiti Malaysia (SUKUM) Ke-35/ Bola Sepak Senior	USM	Player	2010
2.	Sukan Staf Universiti Malaysia (SUKUM) Ke-36/ Bola Sepak Senior	UTeM	Player	2011
3.	Sukan Staf Universiti Malaysia (SUKUM) Ke-38/ Futsal Senior	UKM	Player	2013
4.	Sukan Staf Universiti Malaysia (SUKUM) Ke-40/ Bola Sepak Senior	UiTM	Player	2015
5.	Sukan Staf Universiti Malaysia (SUKUM) Ke-41/ Bola Sepak Senior (Bronze medalist)	USIM	Player	2016
6.	Karnival Sukan Kakitangan Akademik IPT 2019/ Bola Sepak 9 Sebelah	USIM	Player & Manager	2019
7.	Sukan Asasi Malaysia Ke-3	UniMAS	Manager	2020
8.	Sukan Asasi Malaysia Ke-4	UM	Manager	2021

## 12 CONTRIBUTION TO SOCIETY/VOLUNTEERING

No	Activity	Role	Date/Year/Duration
1.	Persatuan Penduduk Taman Desa Mas, Kajang	Committee member	2013–2016
2.	Persatuan Penduduk Taman Desa Mas, Kajang	Vice-chairman	2016–2018
3.	Persatuan Penduduk Taman Desa Mas, Kajang	Committee member	2018–2020
4.	Sekolahku Universitiku, SK Bukit Pantai, Bangsar	Coordinator	28 September 2019
5.	Misi Bantuan Pasca Banjir, Mentakab, Pahang	Volunteer	30 December 2021

## 13 OTHER ACTIVITIES

No	Activity	Organiser/Venue	Date/Year/Duration
1.	Merentas Desa Terbuka KL/MILO	MILO/KL	26 January 2014
2.	NM Galaxy Run 2014	NM Galaxy/KL	16 February 2014
3.	IJN Run	IJN/Putrajaya	23 February 2014
4.	Malaysia Breakfast Day Run	MILO/Putrajaya	20 April 2014
5.	Hari Sukan Negara	KBS/UPNM	10 October 2015
6.	Hari Sukan Negara	KBS/UPNM	10 October 2016
7.	Viper Challenge Cyberjaya	Great Eastern	8 December 2018
8.	Warriors Challenge 4.0	UPNM	19 October 2019