



CURRICULUM VITAE



I. PERSONAL PARTICULARS			
Name	A'QILAH BINTI AHMAD DAHALAN		
Current Position Faculty / Department	SENIOR LECTURER, DEPARTMENT OF MATHEMATICS		
II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS (Please list all academic qualifications, from your first degree, in chronological order)			
Year	Degree	Discipline	University
2011	Bachelor of Science (Honors)	Mathematics with Computer Graphic	Universiti Malaysia Sabah
2014	Master of Science	Applied Mathematics	Universiti Malaysia Sabah
2020	Doctor of Philosophy	Mathematics	Universiti Pertahanan Nasional Malaysia
III. TITLES OF POSTGRADUATE THESES WRITTEN (At MSc/PhD Level)			
No.	TITLES OF POSTGRADUATE THESES		
1.	MSc : <i>Famili Kaedah Tak Tersirat Kumpulan Berselang-Seli Dua Parameter Bagi Menyelesaikan Persamaan Terbitan Separa Kabur</i>		
2.	PhD : Numerical Simulation of Robot Navigation Algorithms Using Families of Block Modified Two-Parameter Over Relaxation Iterative Methods		

IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)			
Year	Position	Organisation	Start and End Date
2012/2013	Teacher	Mathematics	KUMON Tuition Centre, Kota Kinabalu.
2013	Demonstrator	Mathematics	Universiti Malaysia Sabah
2014	Part-time tutor	Mathematics	Open University Malaysia (OUM), Kota Kinabalu

1.0 TEACHING AND SUPERVISION

1.1 Postgraduate Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year

1.2 First Degree Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	SM21003 Operation Research (UMS)	2	2012/2013
2.	ST00102 Fundamental Mathematics (UMS)	2	2012/2013
3.	SBST3103 Introductory Data Analysis (OUM, KK)	1	2013/2014
4.	SBMA3303 Introductory Mathematical Methods (OUM, KK)	1	2013/2014
5.	SBST2103 Sampling Distribution and Hypothesis Testing (OUM, KK)	2	2013/2014
6.	SBMA4203 Advanced Mathematics Method (OUM, KK)	2	2013/2014
7.	EFA1103 Engineering Mathematics 1 (Calculus 3)	1	2014/2015
8.	EFA2213 Engineering Mathematics 4 (Engineering Statistics)	2	2014/2015

1.3 Diploma Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	FMA2313 Basic Mathematics	1	2018/2019

1.4 Pre-Degree Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	FMA0134 Mathematics 3	2	2014/2015
2.	FMA0116 Mathematics 1	1	2015/2016
3.	FMA0134 Mathematics 3	2	2015/2016
4.	FMA0164 Statistics for Social Sciences	1	2016/2017
5.	FMA0166 Business Mathematics	2	2016/2017
6.	FMA0116 Mathematics 1	1	2017/2018
7.	FMA0134 Mathematics 3	2	2017/2018
8.	FMA0146 Basic Mathematics	1	2018/2019
9.	FMA0134 Mathematics 3	2	2018/2019
10.	FMA0146 Basic Mathematics	1	2019/2020
11.	FMA0126 Mathematics 2	2	2019/2020
12.	FMA0116 Mathematics 1	1	2020/2021
13.	FMA0134 Mathematics 3	2	2020/2021
14.	FMA0164 Statistics for Social Sciences	1	2021/2022

1.5 PhD Supervision

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none"> • Completed • Submitted • In Progress 	University

1.6 PhD External/Internal Examination
(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University

1.7 MSc (by Research)
(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none"> • Completed • Submitted • In Progress 	University
1.	Ling Wai Kiat	A New Accelerated Path Planning in Structured Environment using Iterative Methods	March 2019	Main SV	Completed	UPNM

1.8 MSc External/Internal Examination
(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University

1.9 Supervision (Postgraduate Research Project or Final Year Research Project)
(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main/Co-Supervision)	Status <ul style="list-style-type: none"> • Completed • Submitted

					• In Progress
1.	Adri bin Ahmad Mahir	Design And Fabrication of a Front Wheel Steering Actuator for Passenger Vehicle	FYP 2019	Co-SV	Completed
2.	Wan Nurul Nadiah binti Wan Nor Alamshah	Derivation and Validation of Mathematical Model for Leg and Knee Dynamics	FYP 2019	Co-SV	Completed
3.	Muhammad Arif Aizad Mior bin Mohd Nizar	Sistem Secure And Easy Bag (SEZZAG)	FYP 2020	Co-SV	Completed
4.	Muhammad Azizi bin Sarmide	Model Sistem Tempat Letak Kereta IoT	FYP 2021	Co-SV	Completed

2.0 RESEARCH, PUBLICATION AND PRESENTATION

2.1 Research Projects

(Please list in chronological order and state: title, list of researchers, grant/year, source/amount and status)

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
1.	A New Numerical Algorithm For Solving Higher Order Stiff Boundary Value Problem By Multistep Block Method. RAGS/2013/UPNM/SG/04/3	Principal Noor Syazwana Abd Aziz Members Nabilah Fikriah Rahin Nurulhuda A. Manaf Nor Ain Azeany Mohd Nasir Zarina Bibi Ibrahim (UPM) Normurniyati Abd Shattar Nur Adilah Liyana Aladdin A'Qilah Ahmad Dahalan	2013	50,000	Completed
2.	Algorithm Families of Alternating Group Explicit Iterative Methods For Military Robot Path Planning UPNM/2015/GPJP/2/SG/28	Principal A'Qilah Ahmad Dahalan Members Jumat Sulaiman (UMS) Azali Saudi (UMS) Wan Rozita Wan Din	2015	30,000	Completed
3.	A New Accelerated Path Planning in Structured Environment using Iterative Methods	Principal A'Qilah Ahmad Dahalan Members Jumat Sulaiman (UMS)	2018	83,400	Completed

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
	FRGS/1/2018/ICT02/UPNM/03/1	Azali Saudi (UMS) Wan Rozita Wan Din Nurhafizah Moziyana Mohd Yusop			
4.	Investigation of Kinetic-based Adaptive Algorithm for Path Tracking System of Autonomous Tracked Vehicle on Uneven Terrain FRGS/1/2021/TK02/UPNM/02/2	Principal Noor Hafizah Amer Members Khisbullah Hudha Syed Mohd Fairuz Syed Mohd Dardin A'Qilah Ahmad Dahalan Vimal Rau Aparow (Nottingham Universiti)	2021	100,000	In Progress

2.2 Publications

2.2.1 Academic Journal

(Please list in chronological order and state: authors, year, title, publisher/journal, volume and number of pages (Please bold your name))

No.	Authors, year, title, publisher/journal, volume and number of pages (Please bold your name)	Type of Journal • ISI • SCOPUS • Peer-Reviewed
1.	A. Saudi and A. A. Dahalan . 2022. An Efficient Red-Black Skewed Modified Accelerated Arithmetic Mean Iterative Method for Solving Two-Dimensional Poisson Equation. <i>Symmetry</i> , 14(5): 993.	ISI & SCOPUS
2.	A. A. Dahalan and A. Saudi. 2022. Pathfinding algorithm based on rotated block AOR technique in structured environment. <i>AIMS Mathematics</i> , 7(7): 11529-11550.	ISI & SCOPUS
3.	A. A. Dahalan , A. Saudi and J. Sulaiman. 2022. Pathfinding for Mobile Robot Navigation by Exerting the Quarter-Sweep Modified Accelerated Overrelaxation (QSMAOR) Iterative Approach via the Laplacian Operator. <i>Modelling and Simulation in Engineering</i> , 2022: 9388146.	ISI & SCOPUS
4.	N. Saad, A. A. Dahalan and A. Saudi. 2022. Modified Poisson compositing technique on skewed grid. <i>AIMS Mathematics</i> , 7(2): 2176-2194.	ISI & SCOPUS
5.	A. A. Dahalan and A. Saudi. 2022. Self-directed Mobile Robot Path Finding in Static Indoor Environment by Explicit Group Modified AOR Iteration. <i>Lecture Notes in Electrical Engineering</i> , 730: 27-35.	ISI & SCOPUS

6.	Z. Aris, N. Saad, A. A. Dahalan , A. Sunarto and A. Saudi. 2021. Modified iterative method with red-black ordering for image composition using Poisson equation. <i>Bulletin of Electrical Engineering and Informatics</i> , 10(4): 2016-2027.	ISI & SCOPUS
7.	A. A. Dahalan and A. Saudi. 2021. Static Indoor Pathfinding with Explicit Group Two-Parameter Over Relaxation Iterative Technique. <i>Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)</i> , 13051: 265-275.	ISI & SCOPUS
8.	W. K. Ling, A. A. Dahalan , and A. Saudi. 2021. Mobile robot path navigation in static environment via AOR 9-Point Laplacian iteration numerical technique. <i>International Journal of Difference Equations</i> , 15(2): 231-242.	ISI & SCOPUS
9.	A. A. Dahalan and A. Saudi. 2021. Rotated TOR-5P Laplacian iteration path navigation for obstacle avoidance in stationary indoor simulation. In: J. A. Mat Jizat et al. (Eds.) <i>Advances in Robotics, Automation and Data Analytics. iCITES 2020. Advances in Intelligent Systems and Computing</i> , Vol. 1350, pp. 285-295. Springer, Cham. https://doi.org/10.1007/978-3-030-70917-4_27 .	ISI & SCOPUS
10.	A. A. Dahalan and J. Sulaiman. 2021. Numerical solution for fuzzy diffusion problem via two parameter alternating group explicit technique. <i>Mathematics and Statistics</i> , 9(2): 98-105.	ISI & SCOPUS
11.	A. A. Dahalan , R. M. Jusoh, A. Saudi and J. Sulaiman. 2020. Path finding of indoor mobile robot using harmonic potentials via explicit decoupled group modified accelerated over relaxation method. <i>Solid State Science and Technology</i> , 28(1&2): 42-54.	Peer-Reviewed
12.	S. H. A. Wahab, A. A. Dahalan , and A. Saudi. 2020. The solution of 2D elliptic equation using modified geometric mean method on skewed grid with red-black ordering. <i>International Journal of Applied Mathematics</i> , 33(6): 1027-1047.	ISI & SCOPUS
13.	W. K. Ling, A. A. Dahalan , and A. Saudi. 2020. Autonomous path planning through application of rotated two-parameter overrelaxation 9-point Laplacian iteration technique. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 22(2): 508-515.	ISI & SCOPUS
14.	A. A. Dahalan , A. Saudi and J. Sulaiman. 2020. Path finding of static indoor mobile robot via AOR iterative method using harmonic potentials. <i>ZULFAQAR Journal of Defence Science, Engineering and Technology</i> , 3(2): 18-24.	Peer-Reviewed
15.	A. A. Dahalan , W. K. Ling, A. Saudi and J. Sulaiman. 2019. Application of half-sweep MAOR iterative method on autonomous robot path planning in static indoor environment. <i>Journal of Engineering and Applied Sciences</i> , 14(23): 8855-8861.	ISI & SCOPUS
16.	A. A. Dahalan and J. Sulaiman. 2018. Iterative of TAGE algorithm by using Seikkala derivatives applied to fuzzy heat equation. <i>Advanced Science Letters</i> , 24(3): 1785-1790.	ISI & SCOPUS
17.	A. A. Dahalan , A. Saudi, J. Sulaiman and W. R. W. Din. 2018. Robot navigation in static indoor environment via accelerated iterative method. <i>Advanced Science Letters</i> , 24(2): 986-989.	ISI & SCOPUS
18.	A. A. Dahalan , J. Sulaiman and W. R. W. Din. 2018. Numerical solution for 2D fuzzy parabolic equation in AGE iterative method. <i>Discovering Mathematics</i> , 40(1): 11-19.	Peer-Reviewed
19.	A. A. Dahalan , A. Saudi and J. Sulaiman. 2018. Numerical technique for autonomous robot path planning based on QSAOR iterative method using indoor environment. <i>Journal of Engineering and Applied Sciences</i> , 13(20): 8414-8418 [ISSN: 1816-949X].	ISI & SCOPUS

20.	A. A. Dahalan , J. Sulaiman and N. S. A. Aziz. 2017. AGE iterative method applied to 2D fuzzy Poisson equation. <i>Journal of Engineering and Applied Sciences</i> , 12(17): 4437-4441 [ISSN: 1816-949X].	ISI & SCOPUS
21.	A. A. Dahalan , N. S. A. Aziz and J. Sulaiman. 2017. QSAGE iterative method for the numerical solution of two-point fuzzy boundary value problem. <i>Journal of Engineering and Applied Sciences</i> , 12(16): 4068-4074 [ISSN: 1816-949X].	ISI & SCOPUS
22.	A. A. Dahalan , N. A. Shattar and J. Sulaiman. 2016. Implementation of Half-Sweep AGE Method Using Seikkala Derivatives Approach for 2D Fuzzy Diffusion Equation. <i>Journal of Engineering and Applied Sciences</i> , 11(9): 1891-1897 [ISSN: 1816-949X].	ISI & SCOPUS
23.	A. A. Dahalan , N. S. A. Aziz and J. Sulaiman. 2016. Performance of Quarter-Sweep Successive Over Relaxation Iterative Method for Two-Point Fuzzy Boundary Value Problems. <i>Journal of Engineering and Applied Sciences</i> , 11(7): 1456-1463 [ISSN: 1816-949X].	ISI & SCOPUS
24.	A. A. Dahalan and J. Sulaiman. 2016. Half-Sweep Two Parameter Alternating Group Explicit Iterative Method Applied To Fuzzy Poison Equation. <i>Applied Mathematical Sciences</i> , 10(2): 45-57. [ISSN: 1312-885X]. http://dx.doi.org/10.12988/ams.2016.510627 .	ISI & SCOPUS
25.	A. A. Dahalan and J. Sulaiman. 2015. Implementation of TAGE Method Using Seikkala Derivatives Applied To Two-Point Fuzzy Boundary Value Problems. <i>International Journal of Differential Equations</i> , 346036. [ISSN: 1687-9643]. http://dx.doi.org/10.1155/2015/346036 .	ISI & SCOPUS
26.	A. A. Dahalan , M. S. Muthuvalu and J. Sulaiman. 2015. Numerical solution for fuzzy heat equation using HSAGE method. <i>U.P.B. Scientific Bulletin, Series A: Applied Mathematics and Physics</i> , 77(2): 251-260. [ISSN: 1223-7027].	ISI & SCOPUS
27.	A. A. Dahalan and J. Sulaiman. 2015. Approximate solution for 2 dimensional Fuzzy Parabolic equations in QSAGE iterative method. <i>International Journal of Mathematical Analysis</i> , 9(35): 1733-1746. [ISSN: 1312-8876]. http://dx.doi.org/10.12988/ijma.2015.516 .	ISI & SCOPUS
28.	A. A. Dahalan , M. S. Muthuvalu and J. Sulaiman. 2014. Performance of HSAGE iterative method with Seikkala derivative for 2-D fuzzy Poisson equation. <i>Applied Mathematical Sciences</i> , 8(18): 885-899. [ISSN: 1312-885X]. http://dx.doi.org/10.12988/ams.2014.311665 .	ISI & SCOPUS

2.2.2 Book/Chapter in Book:

(Please list in chronological order and state: authors, year, title, publisher, volume and number of pages
(Please bold your name)

No.	Authors, year, title, publisher, volume and number of pages (Please bold your name)	Level
1.	Jumat Sulaiman, Majid Khan Majahar Ali, Piakong Mohd. Tuah, Mohd. Khatim Hasan, Azali Saudi. <i>Kaedah Lelaran Dalam Permasalahan Saintifik</i> . Penerbit Universiti Sains Malaysia, 2020. (A'qilah Ahmad Dahalan – bab dalam buku)	University

2.	A'qilah Ahmad Dahalan , Azali Saudi, Jumat Sulaiman. <i>Military robot path planning based on the Laplace's equation using explicit iterative methods</i> . Penerbit Universiti Pertahanan Nasional Malaysia, 2020.	University
3.	Nur Adilah Liyana Aladdin, Noor Syazwana Abd Aziz, A'qilah Ahmad Dahalan , Mazlinda Ibrahim and Hoo Yan Seong. <i>Module Mathematics 3 for Engineering Students, 6th Edition Semester II 2019/2020</i> . Centre for Defence Foundation Studies, Universiti Pertahanan Nasional Malaysia (UPNM).	University
4.	A'qilah Bt Ahmad Dahalan , Nor Murniyati Bt Abd Sattar, Noor Syazwana Bt Abd Aziz, Nur Sakinah Bt Idris,. <i>Basic Mathematics Module, 4th Edition Semester I 2019/2020</i> . Centre for Defence Foundation Studies, Universiti Pertahanan Nasional Malaysia (UPNM).	University
5.	Nur Adilah Liyana Aladdin, Noor Syazwana Abd Aziz, A'qilah Ahmad Dahalan , Mazlinda Ibrahim, Hoo Yan Seong, Datin Aniza Wamin and Nurul Huda Abdul Manaf. <i>Module Mathematics 3 for Engineering Students, 5th Edition Semester II 2018/2019</i> . Centre for Defence Foundation Studies, Universiti Pertahanan Nasional Malaysia (UPNM).	University
6.	Nur Adilah Liyana Aladdin, Noor Syazwana Abd Aziz, A'qilah Ahmad Dahalan , Mazlinda Ibrahim, Hoo Yan Seong, Datin Aniza Wamin and Nurul Huda Abdul Manaf. <i>Module Mathematics 3 for Engineering Students, Fourth Edition</i> . Centre for Defence Foundation Studies, Universiti Pertahanan Nasional Malaysia (UPNM).	University
7.	Noor Syazwana Bt Abd Aziz, Nor Murniyati Bt Abd Sattar, Nur Sakinah Bt Idris, A'qilah Bt Ahmad Dahalan . <i>Basic Mathematics Module, 2nd Edition Semester II 2017/2018</i> . Centre for Defence Foundation Studies, Universiti Pertahanan Nasional Malaysia (UPNM).	University
8.	Nur Adilah Liyana Bt Hj Aladdin, Noor Syazwana Bt Abd Aziz and A'qilah Bt Ahmad Dahalan . <i>Module Mathematics 3 for Engineering Students, 3rd Edition</i> . Centre for Defence Foundation Studies, Universiti Pertahanan Nasional Malaysia (UPNM).	University
9.	Noor Syazwana Bt Abd Aziz, Nor Murniyati Bt Abd Sattar, Nur Sakinah Bt Idris, A'qilah Bt Ahmad Dahalan . <i>Basic Mathematics Module</i> . Centre for Defence Foundation Studies, Universiti Pertahanan Nasional Malaysia (UPNM).	University
10.	Nur Adilah Liyana Bt Hj Aladdin, Noor Syazwana Bt Abd Aziz and A'qilah Bt Ahmad Dahalan . <i>Module Mathematics 3 for Engineering Students, 2nd Edition Semester II 2014/2015</i> . Centre for Defence Foundation Studies, Universiti Pertahanan Nasional Malaysia (UPNM).	University

2.2.3 Proceeding Articles :

(Please list in chronological order and state: authors, year, title, publisher/conference, volume and number of pages (Please bold your name))

No.	Authors, year, title, publisher/conference, volume and number of pages (Please bold your name)	Level <ul style="list-style-type: none"> • International • National • University
1.	A. A. Dahalan , A. Saudi and J. Sulaiman. 2021. Robot pathfinding with obstacle avoidance capabilities in a static indoor environment via TOR iterative method using harmonic potentials. <i>ITM Web of Conferences</i> , 36: 04006. Indexed by SCOPUS & ISI.	International

2.	A. A. Dahalan , A. Saudi and J. Sulaiman. 2019. Autonomous navigation on Modified AOR iterative method in static indoor environment. <i>IOP Conference Series, Journal of Physics: Conf. Series</i> , 1366(012020). Indexed by SCOPUS & ISI.	International
3.	A. A. Dahalan , A. Saudi, J. Sulaiman and W. R. W. Din. 2018. Autonomous navigation in static indoor environment via rotated Laplacian operator. <i>AIP Conf. Proc.</i> 1974: 020035. Indexed by SCOPUS & ISI.	International
4.	A. A. Dahalan , A. Saudi, J. Sulaiman and W. R. W. Din. 2017. Numerical evaluation of mobile robot navigation in static indoor environment via EGAOR iteration. <i>IOP Conference Series, Journal of Physics: Conf. Series</i> , 890(012064). Indexed by SCOPUS & ISI.	International
5.	A. A. Dahalan , M. S. Muthuvalu, E. Aruchunan, J. Sulaiman and W. R. W. Din. 2017. Application of implicit scheme with AGE iterative method for solving fuzzy parabolic equation. <i>AIP Conf. Proc.</i> 1830: 020001. Indexed by SCOPUS & ISI.	International
6.	A. A. Dahalan , M. S. Muthuvalu and J. Sulaiman. 2016. QSAGE iterative method applied to fuzzy parabolic equation. <i>AIP Conf. Proc.</i> 1705: 4940272. Indexed by SCOPUS & ISI.	International
7.	A. A. Dahalan , M. S. Muthuvalu and J. Sulaiman. 2015. Half-Sweep Successive Over Relaxation iterative method to solve two-point fuzzy boundary value problems. <i>AIP Conf. Proc.</i> 1682: 020003(1)-020003(8). Indexed by SCOPUS & ISI.	International
8.	A. A. Dahalan , M.S. Muthuvalu and J. Sulaiman. 2013. Numerical solutions of two-point fuzzy boundary value problem using Half-Sweep Alternating Group Explicit method. <i>AIP Conf. Proc.</i> 1557(103): 103-107. Indexed by SCOPUS & ISI.	International
9.	A. A. Dahalan , M. S. Muthuvalu and J. Sulaiman. 2013. Successive Over Relaxation method in solving two-point fuzzy boundary value problems. <i>AIP Conf. Proc.</i> 1522(116): 116-124. Indexed by SCOPUS & ISI.	International

2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1.	7th International Virtual Informatics Conference 2021 (IVIC'21)	Static Indoor Pathfinding with Explicit Group Two-Parameter Over Relaxation Iterative Technique	Presenter	23 – 25 Nov 2021	UNITEN
2.	9th International Conference on Research and Education in Mathematics (ICREM9)	Pathfinding Algorithm Based on Rotated Block AOR Technique in Structured Environment	Presenter	2 – 3 Aug 2021	UPM
3.	The 9th International Conference on Computer	Numerical Solution for Fuzzy Diffusion Problem Using Two	Presenter	24 – 25 Dec 2020	Science and Knowledge

	Engineering and Mathematical Sciences (ICCEMS 2020)	Parameter Alternating Group Explicit Technique			Research Society
4.	The 2nd International Conference on Innovative Technology, Engineering and Sciences 2020	Rotated TOR-5P Laplacian Iteration Path Navigation for Obstacle Avoidance in Stationary Indoor Simulation	Presenter	22 Dec 2020	UMP
5.	The 16th IMT-GT International Conference on Mathematics, Statistics and Their Applications (ICMSA2020)	Robot Path Finding with Avoiding Obstacles in a Static Indoor Mobile Robot via TOR Iterative Method Using Harmonic Potentials	Presenter	23 – 24 Nov 2020	UTAR
6.	Innovative Manufacturing, Mechatronics and Materials Forum 2020	Self-Directed Mobile Robot Path Finding in Static Indoor Environment by Explicit Group Modified AOR Iteration	Presenter	6 Aug 2020	UMP
7.	2nd International Conference on Applied and Industrial Mathematics and Statistics 2019 (ICoAIMS2019)	Autonomous navigation on modified AOR iterative method in static indoor environment	Presenter	23 – 25 July 2019	UMP
8.	Defence Security and Sustainability 2019 (DSS2019)	Numerical simulation of robot navigation algorithms using Laplacian potentials in static indoor environment	Presenter	25 April 2019	UPNM
9.	The International Conference on Computer and Network Applications (ICCNA2017)	Iterative of TAGE Algorithm by Using Seikkala Derivatives Applied To Fuzzy Heat Equation	Presenter & Chairperson	5 – 6 Sept 2017	UMS
10.	Simposium Kebangsaan Sains Matematik Ke 25 (SKSM25)	Autonomous Navigation in Static Indoor Environment via Rotated Laplacian Operator	Presenter	27 – 29 August 2017	UiTM Pahang
11.	1st International Conference on Applied and Industrial Mathematics & Statistics 2017 (ICoAIMS2017)	Numerical Evaluation of Mobile Robot Navigation in Static Indoor Environment via EGAOR Iteration	Presenter	8 – 10 August 2017	UMP
12.	Defence Security and Sustainability 2017 (DSS2017)	The simulation system of robot navigation algorithm in static indoor environment using iterative methods	Presenter	10 – 11 July 2017	UPNM
13.	The 3rd International Conference on Computational Sciences and Technology 2016 (ICCST2016)	Robot Navigation in Static Indoor Environment via Accelerated Iterative Method	Presenter	28 – 30 Nov 2016	UMS
14.	The 4th International Conference of Mathematical Sciences (ICMS4)	Application of Implicit Scheme with AGE Iterative Method For Solving Fuzzy Parabolic Equation	Presenter	15 – 17 Nov 2016	UKM

15.	Simposium Kebangsaan Sains Matematik Ke 24 (SKSM24)	Numerical Solution For 2D Fuzzy Parabolic Equation In Age Iterative Method	Presenter	27 – 29 Sept 2016	UMT
16.	2nd International Conference on Mathematical Sciences and Statistics (ICMSS2016)	Approximate solution for 2 dimensional Fuzzy Poisson equations in QSAGE iterative method	Presenter	26 – 28 Jan 2016	UPM
17.	International Conference on Recent Applications in Mathematics and Statistics (ICRAMS2015)	AGE Iterative Method Applied To 2D Fuzzy Poisson Equation	Presenter	4 – 5 Dec 2015	IPN
18.	7th International Conference on Research and Education in Mathematics (ICREM7)	Approximation solution for 1D fuzzy parabolic equation in QSGS iterative method	Presenter	25 – 27 August 2015	UPM
19.	International Conference on Mathematical Sciences and Statistics 2013 (ICMSS2013)	Numerical Solutions of Two-Point Fuzzy Boundary Value Problem Using Half-Sweep Alternating Group Explicit Method	Presenter	5 – 7 Feb 2013	UPM
20.	Simposium Kebangsaan Sains Matematik Ke 20 (SKSM20)	Successive Over Relaxation Method in Solving Two-Point Fuzzy Boundary Value Problems	Presenter	18 – 20 Dec 2012	UKM
21.	The 10th Annual Seminar on Science & Technology	The numerical solution of 1D fuzzy diffusion problems via point iteration; and Implementation of Gauss-Seidel method for solving two-dimensional fuzzy Poisson problem	Presenter	1 – 2 Dec 2012	UMS
22.	7th CUTSE Conference	AGE method applied to two-point fuzzy boundary value problems	Presenter	6 – 7 Nov 2012	Curtin University

3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

3.1 Academic Recognition and Leadership

Academic recognition and leadership such as Academic Award, Academic Assessor/ /Promotion Assessor (External), Visiting Professor/Fellowship, Editorial Board and other academic recognition.

No.	Academic Recognition	Year	Level	Awarding Body / Name of Institution
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1.	Badioze Zaman Best Paper Award	2021	National	UNITEN
2.	Anugerah Prestasi Cemerlang	2021	University	UPNM
3.	Anugerah Prestasi Cemerlang	2019	University	UPNM
4.	Anugerah Perkhidmatan Cemerlang	2018	University	UPNM
5.	Anugerah Prestasi Cemerlang	2018	University	UPNM
6.	Anugerah Akademik Cemerlang 2016 Kategori: Anugerah Penerbitan Makalah Jurnal	2017	University	UPNM
7.	Anugerah Prestasi Cemerlang	2015	University	UPNM
8.	Anugerah Aspirasi Pascasiswazah	2014	University	UMS

3.2 Consultancy work that benefited to the University.

(Please list in chronological order and state: title, year, sponsor, value and duration of consultancy)

No.	Title	Year	Sponsor	Value	Duration

3.3 Service to the University

Service to the university such as Vice Chancellor/Deputy Vice Chancellor/Dean/Director, Deputy Dean/Deputy Director/Unit Coordinator/Hostel Warden, Programme Chairperson/ Assistant Warden/Fellow. Representing University in Sports and Other Non-Academic Activities. Professional/Academic Association (Committee Member).

(Please list in chronological order and state: position/membership and duration)

No.	Position/Membership	Duration
1.	Ahli Jawatankuasa ICSSST 2019	11 – 13 Nov 2019
2.	Pegawai Pengiring, Istiadat Perbarisan Pentauliah Diraja dan Pengurniaan Watikah Tauliah Pegawai Kadet Angkatan Tentera Malaysia 2019	16 Mac 2019
3.	Setiausaha Jabatan Matematik, PAP	Mac 2019 – Mac 2021
4.	Atlet Olahraga, Kejohanan Olahraga Piala Akademi Kecergasan Pertahanan Kali Ke-2 2019	13 – 15 Feb 2019
5.	Bakal Pegawai, Pusat Latihan Askar Wataniah	10 Oct – 8 Nov 2018
6.	Atlet Olahraga, Kejohanan Sukan Staf Antara Universiti Malaysia 2018	10 – 18 Aug 2018

7.	Fasilitator, Program Pemantapan Jati Diri Pelajar Baharu	27 June 2018
8.	AJK Pelaksana, Pertandingan Olympiad Sains dan Matematik 2018	19 April 2018
9.	Pegawai Pengiring, Kejohanan Sukan Asasi Universiti Awam 'The Asasi Game'	26 – 28 Jan 2018
10.	Atlet Olahraga, Kejohanan Olahraga Piala Pusat Sains Kejurulatihan 2017	12 – 13 Oct 2017
11.	Atlet Olahraga, Kejohanan Sukan Staf Antara Universiti Malaysia 2017	29 July – 5 Aug 2017
12.	AJK NADIMASA	Mac 2018 – Mac 2020
13.	Fasilitator, Kursus Kepimpinan Pelajar Asasi (KUKEP) 2016	25 – 27 Nov 2016
14.	Setiausaha, Pembentukan Baharu Program Penyelidikan Operasi	Jan 2015 – Dec 2017

3.4 Service to the community
(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level
1.	Koperasi Universiti Pertahanan Nasional Malaysia (KUPENA)	Committee members	2018	Lifetime	University
2.	Persatuan Sains Matematik Malaysia (PERSAMA)	Committee members	2017	Lifetime	National
3.	Kelab Kebajikan dan Rekreasi Pusat Asasi Pertahanan	AJK	July 2016	July 2018	University