



# CURRICULAR VITAE

## Assoc. Prof. Ts. Dr. Roslan bin Umar (MIPM)

PhD Physics (UM), MSc Physics (UKM), BSc (Hons.) Physics (UKM)  
Astronomy & Astrophysics, Radio Astronomy, Space-Earth  
Electromagnetism, Atmospheric Science, Islamic Astronomy

**Director/Research Fellow**  
East Coast Environmental Research  
Institute (ESERI),  
**Senior Lecturer,**  
Faculty of Islamic Contemporary  
Studies,  
**Universiti Sultan Zainal Abidin**

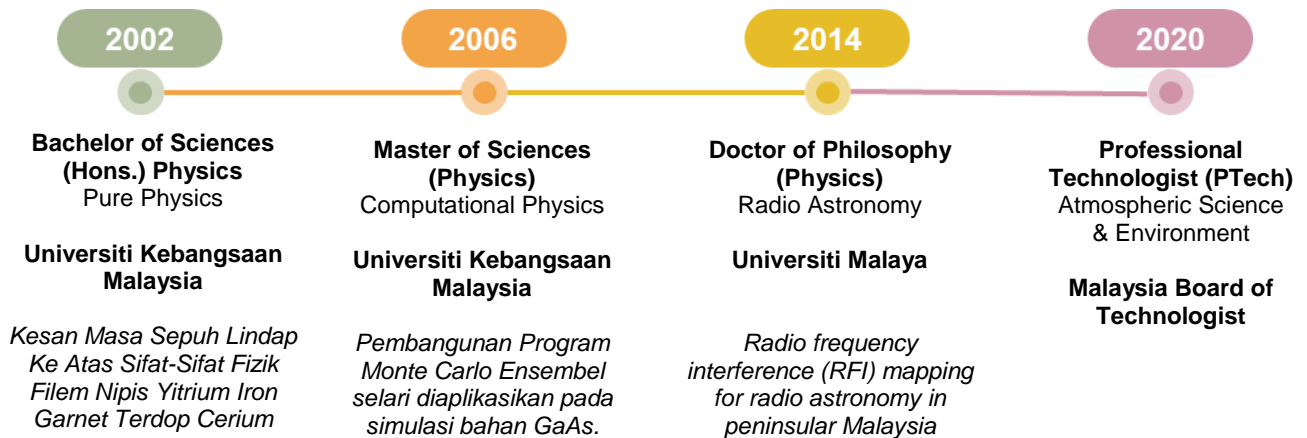
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Scopus : <https://www.scopus.com/authid/detail.uri?authorId=51666152100>  
Web of Science : <https://app.webofknowledge.com/author/record/30363591>  
ResearcherID : <http://www.researcherid.com/rid/C-8938-2012>  
ORCID : <https://orcid.org/0000-0002-8413-385X>  
Publon : <https://publons.com/researcher/2754257/roslan-umar/>  
ResearchGate : <https://www.researchgate.net/profile/Roslan-Umar>  
Google Scholar <https://scholar.google.com/my/citations?user=VhRZPJ0AAAAJ&hl=en&oi=ao>  
Research Website : <https://sites.google.com/site/emrgmalaysia/home>  
LinkedIn : [www.linkedin.com/in/roslan-umar-147b443b/](http://www.linkedin.com/in/roslan-umar-147b443b/)  
Academia.edu : <https://unisza.academia.edu/RoslanUmar>

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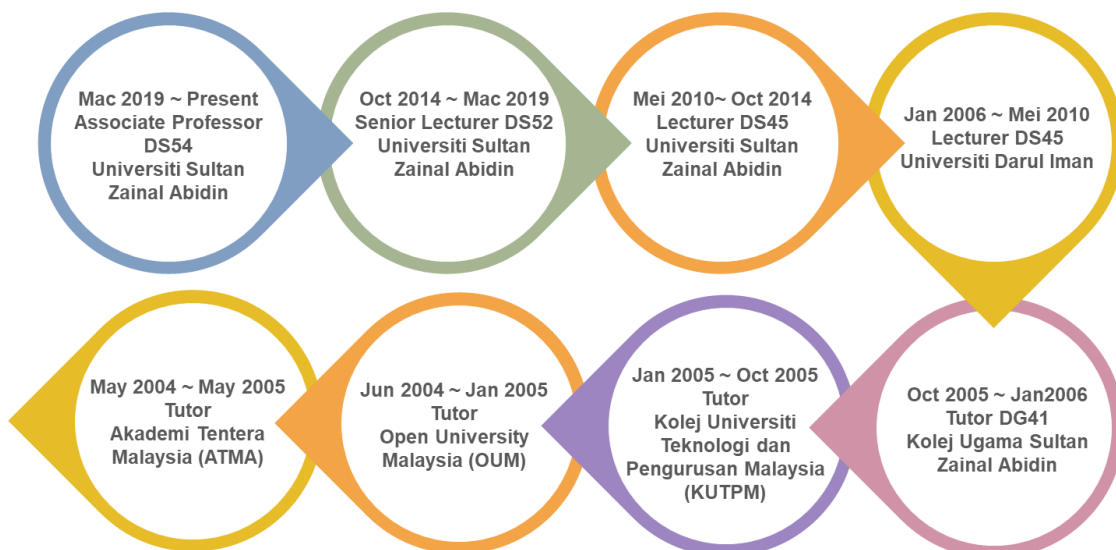
+6019-3334206

roslan@unisza.edu.my

## QUALIFICATION



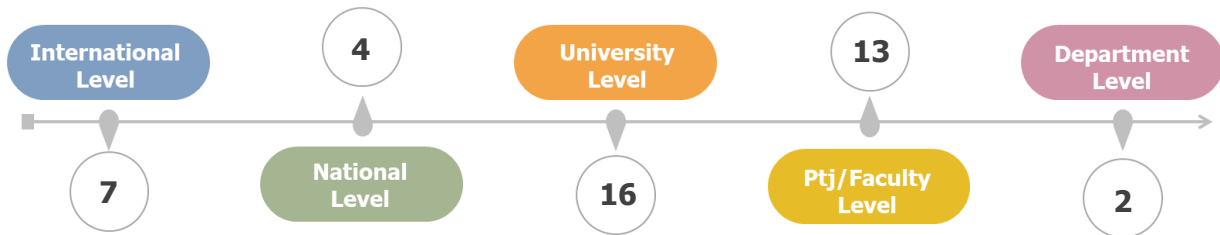
## EMPLOYMENT RECORD



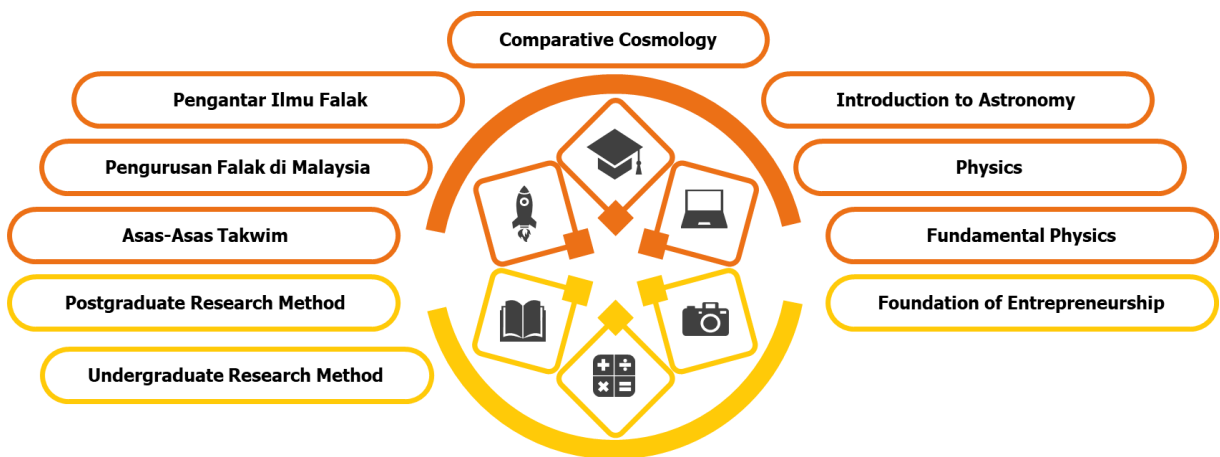
### APPOINTMENT

Date	Responsibilities	Level	Organization
20 Oct 2021 - Present	Malaysian Astronomer	National	Planetarium Negara, MOSTI
2022	Moderator SETARA	University	UniSZA
2020 – Present	Juruaudit MyRA	National	Ministry of Higher Education
2020 – Present	Editor Advances in Physics and Astronomy: An International Journal	International	APAIJ
2020 – Present	Chief Editor, Journal Islam Masyarakat Kontemporari (JIMK)	University	UniSZA
Feb 2018 - Present	Chief Editor, Asian Journal of Civilizational Studies (AJOCS)	University	UniSZA
2014 – Present	Ketua Unit Sains Angkasa	Institute	UniSZA
Feb 2019 – Present	Associate Editor, Malaysian Journal of Applied Sciences (MyJAS)	University	UniSZA
2014 – 31 Mar 2019	Penyelaras Data ESERI	University	UniSZA
2005 – Present	Head of Unit, KUSZA Observatory	Institute	UniSZA

### ADMINISTRATIVE POST (Detailed list is in Appendix A)



### TEACHING



**PUBLICATION**

(List of publication in Appendix B)

Year	Journal articles		Proceeding articles		Chapter in book	Book	e-Book	Media
	WoS/Scopus/ERA	Others index	WoS/Scopus	Others index				
2024	2	1				1		8
2023	9	2	1		4			2
2022	4	-			1			
2021	3	2	3		1			2
2020	6	1	1					1
2019	10	3	2					
2018	11	15						
2017	26	-				1		
2016	4	3	1					
2015	15	1						
2014	2	-						
2013	3	1						
2008	1	-						
<b>Total</b>	<b>84</b>	<b>26</b>						

**POSTGRADUATE SUPERVISION**

(List of Students in Appendix C)

No.	Level	Role	No. of Students	
			Graduated	In Progress
1.	Doctor of Philosophy	Main-Supervisor	3	3
		Co-Supervisor	1(Int)	2(Ext)
2.	Master's degree	Main-Supervisor	3	4
		Co-Supervisor	3	4
<b>Total</b>			<b>10</b>	<b>13</b>

\*Ext=External, Int=Internal

**FINAL YEAR PROJECT SUPERVISION**

(List of Students in Appendix)

Session	No. of Students	Session	No. of Students
2024/2023	4	2015/2016	5
2023/2022	2	2014/2015	3
2022/2021	2		
2021/2020	3		
2019/2020	1		
2018/2019	4		
2017/2018	4		
2016/2017	3		
<b>Total</b>			<b>32</b>

**RESEARCH GRANT**

No.	Grant Name	Project Title	Amount	Role	Status
1.	FRGS	New Detection Algorithm of Young Moon Crescent First Visibility in Malaysia using Image Processing Technique	RM189,626 000	<b>Project Leader</b>	<b>In Progress</b>
2.	Industri	Immersive Web Browsing: Enhancing User Experience Using 360 Panorama For Kusza Observatory	RM12,000	<b>Project Leader</b>	<b>In Progress</b>
3.	Industri	Kajian Keberkesanan Sistem Teleskop Mobile Astrofotografi Bersaiz Kecil Dan Sederhana Dalam Kerja-Kerja Tinjauan Langit Di Kompleks Baitul Hilal Mains	RM25,000	<b>Project Leader</b>	<b>In Progress</b>
4.	Industri	Kajian Koordinat Kedudukan Asteroid Untuk Memperolehi Kod Observatori Antarabangsa Bagi	RM25,000	<b>Project Leader</b>	<b>In Progress</b>

		Kompleks Baitul Hilal Majlis Agama Islam Negeri Sembilan (Mains)			
5.	Industri	Kajian Pencemaran Cahaya Terhadap Limitasi Kenampakan Anak Bulan Dan Objek Samawi Di Lokasi Rukyah Hilal Terengganu	RM20,900	<b>Project Leader</b>	<b>In Progress</b>
6.	Industri	Kajian Pembangunan e-Almanak Falak Web Base & Kalkulator Takwim Hijri (Iddah dan Nasab)	RM39,000	Co-Researcher	Completed
7.	DPU	E-Solar: A Web-Based Automated Classification of Solar Radio Burst for Space Weather	RM115,000	<b>Project Leader</b>	<b>In Progress</b>
8.	DPP	Penambahbaikan ELECTRICO dengan Aplikasi Augmented Reality (AR) : Papan Permainan Berkonsepkan Elektrik untuk subjek Fizik	RM30,000	Co-Researcher	<b>In Progress</b>
9.	DPU	Pembangunan Produk Permainan Berpapan: Kembara Alam Hartawan Falak (AL-KAHF)	RM20,000	<b>Project Leader</b>	Completed
10.	FRGS	The ULF Monitoring data Associated with Earthquake Events using Magneto-metric Analysis	RM138,500	<b>Project Leader</b>	Completed
11.	ICSWSE/ Kyunyu University	Magnetic Data Acquisition System (MAGDAS) Project	USD50,000	<b>Project Leader</b>	Completed
12.	FRGS	Public Electromagnetic Radiations (EMR) Exposure Policy: Mapping the Ambient Non-Ionizing Radiations Exposure Value of Malaysia Using Gis	RM98,200	<b>Project Leader</b>	Completed
13.	RACE	Weather Effect on Radio Signal for Radio Astronomy Purposes	RM72,000	<b>Project Leader</b>	Completed
14.	FRGS	Preparation and evaluation of graphene nanoplatelets as a filler to the mechanical and electromagnetic interference shielding properties of polyethylene (PE) composite	RM99,690	Co-Researcher	In Progress
15.	TPM	Coastal Area Electromagnetic Radiations (EMR) Exposure: Mapping the Ambient Non-Ionizing Radiations Exposure Value Of Terengganu Using GIS	RM25,400	Co-Researcher	Completed
16.	DPU	Chemical, Thermal and Spectroscopic Analysis of Rice Husk Glass Doped with Samarium and Erbium Ions for High Powered Laser Glasses Application.	RM20,000	Co-Researcher	In Progress
17.	DPU	Penggunaan Teknologi Telegram Bot Bagi Subjek Mahabith Alilahiyat Berdasarkan Kitab Kubra Al-Yaqiniyyat	RM6000	Co-Researcher	In Progress
18.	DPU	Aplikasi Realiti Terimbuh (Ar) Dalam Subjek Fizik Secara Mudah Alih: Snaphysics	RM5000	Co-Researcher	In Progress
19.	DPU	Pembangunan Perisian Kursus 'happy Force Edu' Menggunakan Konsep Gamifikasi Untuk Gambar Rajah Jasad Bebas,	RM5000	Co-Researcher	In Progress
20.	DPU	Synthesis and Spectroscopic Properties of Manganese Oxide Nanoparticles and Europium Ions Incorporated Borotellurite Glass.	RM20,000	Co-Researcher	In Progress
21.	DPU	Evaluation of The Fading Effect of Lif:mg, ti and Lif:mg, cu,p Due to Delay Reading and Method to Minimize the Effect Using Pre-Heat Technique.	RM9,500	Co-Researcher	In Progress
22.	USM	Kajian Saintifik dan Hukum Waktu Larangan Solat.	RM15,000	Co-Researcher	Complete
23.	FRGS- RACER	The Assessment and Profiling of Radiofrequency Electromagnetic Radiation Exposure at Selected Schools in Terengganu.	RM50,000	Co-Researcher	In Progress
24.	FRGS	Pembentukan Parameter Kepengarangan Berkumpulan Penulisan Akademik Berintegriti Berteraskan Islam: Penilaian Semula Kepada Dasar Penulisan Akademik di Malaysia.	RM56,400	Co-Researcher	In Progress

25.	DPU	Chemical, thermal and spectroscopic analysis of Rice Husk Glass doped with Samarium and Erbium ions for high powered laser glasses application	RM20,000	Co-Researcher	Complete
26.		Investigation of Time and Frequency Prominent Profile Of Deca To Metric Radio Burst At Equatorial Region	RM20,000	Co-Researcher	In Progress
27.	As Sofa	Penilaian Semula Jaluran Sanad Tarikat Ahmadiyyah dan Pengharmoniannya di Malaysia, Geran Agensi Luar, (2019), [Grant Value:	RM135,060	Co-Researcher	In Progress
28.	Yayasan Terengganu	Program Saintis Islam Terengganu Kohort IV 2018.	RM80,000	Co-Researcher	In Progress
29.	DPU	Penggunaan Teknologi Augmented Reality (Ar) Dalam Pembelajaran Kitab Kubra AlYaqiniyyat Bagi Subjek Mabahith Al-Ilahiyyat, Mabahith Al-Nubuwwah dan Mabahith AlSam`iyyat.	RM7,000	Co-Researcher	In Progress
30.	SRGS	Iot-Enabled Rainwater Harvesting System for Sustainable Campus Environment, Special Research Grant Scheme (Srgs).	RM60,000	Co-Researcher	Complete
31.	SRGS	Pembangunan Pemodelan Luahan Persekitaran Ekohidrologi di Tasik Kenyir, Hulu Terengganu, Terengganu.	RM60,000	Co-Researcher	Complete
32.	Geran Agensi Luar	Young Scientist Development Research Grant, Geran Agensi Luar, (2017).	RM30,000	Co-Researcher	Complete
33.	Yayasan Terengganu	Program Saintis Islam Terengganu Kohort III 2017, Others, (2017).	RM72,000	Co-Researcher	Complete
34.	FRGS	Kesan Hakisan Tebing dan Sisi Sungai Akibat Luruan Air Banjir 2014: Keperluan Garis Panduan Pembangunan Zon Penampakan Sungai Malaysia, Skim Geran Penyelidikan Fundamental (FRGS), (2015).	RM30000	Co-Researcher	Complete
35.	FRGS	Analisis Perubahan Plan Sungai Bagi Pemetaan Kesan Banjir dan Sebagai Penentu Kepada Pengurusan Banjir di Sungai Pahang, Malaysia, Skim Geran Penyelidikan Fundamental (FRGS), (2015).	RM64,200	Co-Researcher	Complete
36.	RAGS	Siasatan Penghasilan Sediman Dasar: Satu Kajian Kes di Sungai Terengganu, Terengganu, Malaysia, Dana Pembudayaan Penyelidikan (Rags), (2015).	RM64,200	Co-Researcher	Complete
37.	FRGS	Analisis Perubahan Bagi Pemetaan Kesan Banjir dan Sebagai Penentu Kepada Pengurusan Banjir di Sungai Pahang, Malaysia, Skim Geran Penyelidikan Fundamental (FRGS), (2015).	RM64,200	Co-Researcher	Complete
38.	Geran Agensi Luar	Investigations of Dark Matter, Merger and Wimps in Galaxy and Clusters, Geran Agensi Luar, (2015).	RM30,000	Co-Researcher	Complete
39.	FRGS	Theoretical and Experimental Investigations of Lead Chalcogenide Quantum Confined Structures for Solar Cell Application Exceeding 10% of Efficiency, Skim Geran Penyelidikan Fundamental (FRGS), (2015).	RM112,800	Co-Researcher	Complete
40.	FRGS	Observing The Effect of The Magnetic Re-Connection on The Structure of Solar Flares and Coronal Mass Ejections Events Based on Solar Radio Burst Type II and III, Skim Geran Penyelidikan Fundamental (FRGS), (2014).	RM106,000	Co-Researcher	Complete
41.	DPU	Model Gabungan Parameter Kenampakan Anak Bulan di Malaysia, Geran Dalaman Universiti, (2010).	RM 10000	Co-Researcher	Complete
42.	JAKIM	Penyelidikan Kajian Fatwa Jakim: Ga 002-2018 (Penilaian Semula Nilai Altitud Matahari di	RM 50000	Co-Researcher	Complete

	Bawah Ufuk Bagi Penentuan Awal Waktu Solat Subuh di Malaysia) / UM, 2018			
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**INTELLECTUAL PROPERTIES (IP)**

(List of IP in Appendix F)



**AWARDS IN ACADEMIC/PROFESSIONAL FIELD**

Award Title	Level	Awarded by	Year
Anugerah Tokoh Fakulti 2024	Faculty	UniSZA	2024
Special Award UniCEL 2023	University	UniSZA	2023
Anugerah Perkhidmatan Cemerlang 2022	University	UniSZA	2022
Anugerah Pengajaran 2022	University	UniSZA	2022
Anugerah Penyelidik Cemerlang Eseri	University	ESERI, UniSZA	2021
Sijil Perkhidmatan Cemerlang 2021	University	UniSZA	2021
Special Award Itex (2020), JIPA Award	National	ITEX	2020
Sijil Perkhidmatan Cemerlang 2020	University	UniSZA	2020
RIA (2019), Burst-Finder: Automated Solar Radio Burst Detection for E-Callisto Spectra	University	UniSZA	2019
Best Grant Award (2019), Public Electromagnetic Radiations (Emr) Exposure Policy: Mapping the Ambient Non-Ionizing Radiations Exposure Value of Malaysia Using Gis	University	UniSZA	2019
Sijil Perkhidmatan Cemerlang 2019	University	UniSZA	2019
RIA (2018), Burst-Finder: Automated Solar Radio Burst Detection for E-Callisto Spectra, Others 2018 - Principal Investigator	University	UniSZA	2018
Award/icon Others (2018), Anugerah Inovasi FKI, Others 2018 - Principal Investigator	Faculty	FKI	2018
Sijil Perkhidmatan Cemerlang 2018	University	UniSZA	2018
RIA (2017), Anugerah Jurnal Berindeks 2017 (Katogeri Sains dan Teknologi), Others 2018 - Principal Investigator	University	UniSZA	2017
Best Grant Award (2017), Weather Effect on Radio Signal for Astronomy Purposes.	University	UniSZA	2017
Sijil Perkhidmatan Cemerlang 2017	University	UniSZA	2017

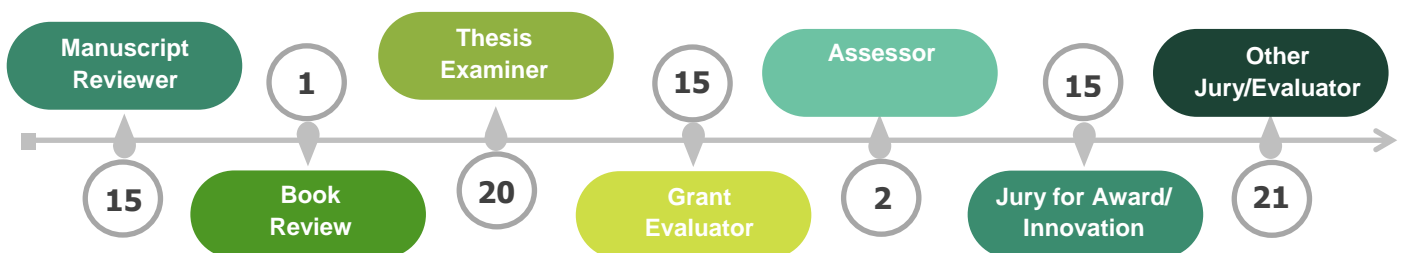
**INNOVATION AND INVENTION AWARD**

(List of awards in Appendix G)



**REVIEWER/ASSESSOR PANEL/JURY/EVALUATOR/EXAMINER**

(List of reviewer/evaluator/panel/jury/examiner in Appendix H)



**MENTOR**

No.	Role	Mentee	Date
1.	Research mentor for grant (FRGS-RACER)	Ts. Dr. Nazifah Abdullah	2021 – present

**KNOWLEDGE TRANSFER/EXPERT CONTRIBUTION**

(List of contribution in Appendix I)



### EDITORIAL WORK

No.	Journal/Proceeding	Role	From	Until
1.	Asian Journal of Civilizational Studies (AJOCs)	Chief Editor	2020	Present
2.	Malaysian Journal of Applied Sciences (MyJAS)	Technical Editor	Feb 2019	Present
3.	Jurnal Islam dan Masyarakat Kontemporari (JIMK)	Section Editor	Oct 2020	Present
4.	Jurnal Islam dan Masyarakat Kontemporari (JIMK)	Chief Editor	Oct 2020	2023
5.	Malaysian Journal of Analytical Sciences (MJAS)	Section Editor	2015	2015
6.	Advances in Physics and Astronomy: An International Journal	Editor	2021	Present

### PROFESSIONAL AFFILIATION

No.	Organization	Role	Designation	From	Until
1.	Malaysia Board of Technologist	Member	Ts.	2020	Lifetime

### PROFESSIONAL MEMBERSHIP

No.	Organization	Role	ID	From	Until
1.	International Astronomical Union (IAU)	Member		2019	Lifetime
2.	Malaysian Radiation Protection Association (MARPA)	Member		2018	Lifetime
3.	Institut Fizik Malaysia (IFM)	Member		2012	Lifetime
5.	International Association of Engineers (IAENG)	Member		2017	Lifetime
6.	Pertubuhan Akademi Profesor Malaysia	Associate Member		2022	Lifetime
7.	Majlis Professor Negara	Member		2022	Lifetime

### OTHER MEMBERSHIP

No.	Organization	Role	ID	From	Until
1.	Malaysia Space Initiative (MiSI)	Member		2019	Lifetime
2.	Radio Amatur Malaysia	Member		2019	2023
3.	Persatuan Kebajikan Staf Akademik UniSZA	Member		2022	Lifetime
4.	Islamic Crescent Observation Project (ICOP)	Member		2018	Lifetime

### PROFESSIONAL DEVELOPMENT

(List of course/workshop attended in Appendix J)



### CONFERENCES/SEMINARS ATTENDED

(List of conferences/seminars in Appendix K)





## APPENDIX

### Awards

1. Silver Mpi (2021), E-Risalah Syeikh Bukit Bayas, Mpi 2021 - Member
2. Silver Mpi (2021), Mukjam Myshakhsiyyah Telegram Bot, Mpi 2021 - Member
3. Silver Mpi (2021), M-Myshakhsiyyah : Mobile Based Myshakhsiyyah Apps, Mpi 2021 - Member 14 / 14
4. Gold Mpi (2021), Musafir: Aplikasi Telefor Pintar Untuk Musafir, Mpi 2021 - Member
5. Gold Mpi (2021), Ar Interactive Constellations (Icons), Mpi 2021 - Principal Investigator
6. Others (2021), Anugerah Penyelidik Cemerlang Eseri, Others 2021 - Principal Investigator
7. Gold Iucel (2021), My Shakhsiyyah Ar Berkenaan Akhlak Islam, Iucel 2021 - Member
8. Silver Others (2021), Board Game: Kembara Alam Hartawan Falak (Al-Kahf), Others 2021 - Principal Investigator
9. Bronze Mpi (2021), Ar-Dysphagia Diet: Digital Nutrition Education by Augmented Reality for Stroke Rehabilitation Patients, Mpi 2021 - Member
10. Gold Mpi (2020), My Shakhsiyyah Ar Berkenaan Akhlak Islam , Mpi 2020 - Member
11. Special Award Itex (2020), Game-Based Learning : Kembara Alam Hartawan Falak (AlKahf) , Itex 2020 - Principal Investigator
12. Silver Mpi (2020), My Shakhsiyyah Speaking Dictionary, Mpi 2020 - Member
13. Gold Itex (2020), My Shakhsiyyah Ar Berkenaan Akhlak Islam , Itex 2020 - Member
14. Silver Mpi (2020), My Tabayyun, Mpi 2020 - Principal Investigator
15. Gold Itex (2020), Game-Based Learning : Kembara Alam Hartawan Falak (Al-Kahf), Itex 2020 - Principal Investigator
16. Gold Mpi (2020), Al-Kahf, Mpi 2020 - Principal Investigator
17. Gold Itex (2020), E-Modul Khalifah Ulul Albab, Itex 2020 - Member
18. Gold Mpi (2020), Sid Kits, Mpi 2020 - Principal Investigator
19. Special Award Others (2020), Permainan Berpapan Astronomi: Kembara Alam Hartawan Falak (Al-Kahf), Others 2020 - Principal Investigator
20. Silver Unicel (2020), Interactive Constellations (Icons), Unicel 2020 - Principal Investigator
21. Silver Mpi (2020), E-Wallet and Integrated Smart Parking for Malaysian Local Authorities (Smartpark), Mpi 2020 - Member
22. Silver Unicel (2020), My Tabayyun, Unicel 2020 - Principal Investigator
23. Gold Mpi (2020), E-Tahkik, Mpi 2020 - Member
24. Special Award Mpi (2020), My Shakhsiyyah Ar Berkenaan Akhlak Islam, Mpi 2020 - Member
25. Gold Unicel (2020), My Shakhsiyyah Ar Berkenaan Akhlak Islam, Unicel 2020 - Member
26. Silver Mpi (2019), E-Solar: Online Solar Alert System for Callisto Spectra, Mpi 2019 - Principal Investigator
27. Gold Unicel (2019), Kembara Alam Hartawan Falak (Al-Kahf), Unicel 2019 - Principal Investigator
28. Silver Others (2019), My Shakhsiyyah Ar, Others 2019 - Member
29. Gold Mpi (2019), Unisza-Sid : Unisza-Sudden Ionospheric Disturbance System, Mpi 2019 - Principal Investigator
30. Silver Mte (2019), E-Solar : Online Solar Alert System for Callisto Spectra, Mte 2019 - Principal Investigator
31. Silver Unicel (2019), My Shakhsiyyah Apps, Unicel 2019 - Member
32. Bronze Mpi (2019), Multi Function Adjustable Antenna Using Plasma Radiation, Mpi 2019 - Principal Investigator
33. Gold Mte (2019), Emr Suppressor Design for Phone Cover, Mte 2019 - Member
34. Gold Unicel (2019), My Shakhsiyyah Game, Unicel 2019 - Member
35. Silver Mpi (2019), Pembinaan Syakhsiyyah 'ibad Al-Rahman Perspektif Al-Ghazali, Mpi 2019 - Member
36. Gold Itex (2019), My Safar, Itex 2019 - Member
37. Gold Unicel (2019), My Shakhsiyyah Ar, Unicel 2019 - Member
38. Silver Mpi (2019), Permainan Interaktif Dalam Pendidikan Akhlak: My Syakhsiyyah Game, Mpi 2019 – Member 15 / 15
39. Award/icon Others (2019), Burst-Finder: Automated Solar Radio Burst Detection for ECallisto Spectra, Others 2019 - Principal Investigator
40. Silver Pecipta (2019), Unisza-Sid : Unisza-Sudden Ionospheric Disturbance System, Pecipta 2019 - Principal Investigator

41. Award/icon Others (2019), Public Electromagnetic Radiations (Emr) Exposure Policy: Mapping The Ambient Non-Ionizing Radiations Exposure Value of Malaysia Using Gis, Others 2019 - Principal Investigator
42. Gold Pecipta (2019), My Shakhsyiyah Ar, Pecipta 2019 - Member
43. Gold Others (2019), Smart Weather Signal Prediction (Swss) : Prediction Rss Based on Model of Tropical Weather Effects on Uhf Signal Propagation, Others 2019 - Principal Investigator
44. Gold Itex (2019), Unisza-Sid : Unisza-Sudden Ionospheric Disturbance System, Itex 2019 - Principal Investigator
45. Gold Iucel (2019), Kembara Alam Hartawan Falak (Al-Kahf), Iucel 2019 - Principal Investigator
46. Bronze Itex (2019), I-Weather Signal Prediction : Effect of Tropical Weather Predictors on Received Signal Strength (Rss) in Uhf Band , Itex 2019 - Principal Investigator
47. Gold Others (2019), Smart Weather - Signal Prediction; Statistic Modelling of Tropical Weather Predictors on Communication Signal in Terengganu, Others 2019 - Principal Investigator
48. Gold Unicel (2019), Kembara Alam Hartawan Falak (Al-Kahf), Unicel 2019 - Member
49. Gold Iucel (2019), My Shakhsyiyah Ar, Iucel 2019 - Member
50. Gold Unicel (2018), I-Tabayyun: Semakan Isu Berkaitan Kontemporari Menerusi Aplikasi Telefon Pintar, Unicel 2018 - Principal Investigator
51. Special Award Mpi (2018), Electromagnetic Radiation Phone Cover (Emr Pc), Mpi 2018 - Member
52. Gold Mpi (2018), Myrfi-2.0 : Web Base Map Viewer as a Tool to Visualize Rfi Level for Environmental Monitoring and Management , Mpi 2018 - Principal Investigator
53. Award/icon Others (2018), Burst-Finder : Automated Solar Radio Burst Detection for ECallisto Spectra, Others 2018 - Principal Investigator
54. Bronze Itex (2018), Electromagnetic Radiation Phone Cover (Emr Pc), Itex 2018 - Member
55. Gold Iucel (2018), I-Tabayyun: Semakan Isu Berkaitan Kontemporari Menerusi Aplikasi Telefon Pintar, Iucel 2018 - Principal Investigator
56. Silver Itex (2018), Cajuputi for Backyard Agricultural Economical Activity, Itex 2018 - Member
57. Award/icon Others (2018), Anugerah Jurnal Berindeks 2017 (Katogeri Sains dan Teknologi), Others 2018 - Principal Investigator
58. Gold Mpi (2018), I-Tabayyun: Semakan Isu Berkaitan Kontemporari Menerusi Aplikasi Telefon Pintar, Mpi 2018 - Principal Investigator
59. Silver Itex (2018), Myrfi-2.0: Web-Based Map Viewer as a Tool to Visualize Rfi Level for Environmental Monitoring and Management, Itex 2018 - Principal Investigator
60. Silver Mpi (2018), Imusafir, Mpi 2018 - Member
61. Silver Others (2018), Myrfi Map : Mapping for Radio Frequency Interference in Peninsular Malaysia, Others 2018 - Principal Investigator
62. Gold Mte (2018), Burst Finder: Automated Solar Radio Burst Detection for E-Callisto Spectra, Mte 2018 - Principal Investigator
63. Gold Others (2018), Imusafir, Others 2018 - Member
64. Award/icon Others (2018), Anugerah Inovasi, Others 2018 - Principal Investigator
65. Silver Mpi (2018), Statistical Modelling of Tropical Weather Effects on Communication Signals at Terengganu, Mpi 2018 – Member 16 / 16
66. Gold Mpi (2018), Electromagnetic Radiation Phone Cover (Emr Pc), Mpi 2018 - Member
67. Silver Pecipta (2017), Design and Development of Circular Patch Antenna for Non-Ionizing Radiation Level Measurement Application , Pecipta 2017 - Member
68. Bronze Pecipta (2017), Myrfi Map : Mapping for Radio Frequency Interference in Peninsular Malaysia, Pecipta 2017 - Principal Investigator
69. Gold Pecipta (2017), Burst-Finder: Automated Solar Radio Burst Detection for E-Callisto Spectra, Pecipta 2017 - Principal Investigator
70. Award/icon Others (2017), Weather Effect on Radio Signal for Astronomy Purposes , Others 2017 - Principal Investigator
71. Gold Mpi (2017), Fabrication of High Performance Receiving Antenna in Electromagnetic Radiation Level Measurement , Mpi 2017 - Member
72. Gold Mpi (2017), Myrfi Map : Mapping for Radio Frequency Interference in Peninsular Malaysia, Mpi 2017 - Principal Investigator
73. Gold Mpi (2017), Burst-Finder : Automated Solar Radio Burst Detection for E-Callisto Spectra, Mpi 2017 - Principal Investigator
74. Silver Siif (2017), Myrfi Map : Mapping for Radio Frequency Interference in Peninsular Malaysia, Siif 2017 - Principal Investigator
75. Gold Itex (2017), Burst-Finder : Automated Solar Radio Burst Detection for E-Callisto

76. Spectra, Itex 2017 - Principal Investigator  
Silver Siif (2017), Burst-Finder: Automated Solar Radio Burst Detection for E-Callisto Spectra, Siif 2017 - Principal Investigator
77. Bronze Mpi (2016), The Monitoring System of Solar Radio Burst Type Ii, III & IV for Callisto Spectra, Mpi 2016 - Principal Investigator

### **Intellectual Property (27 Copyright & 1 Trade mark)**

1. Lensos-M (Ly2022c00213)(2022), Copyright - Co-Researcher
2. Snaphyics (Ly2021e02326)(2021), Copyright - Co-Researcher
3. Mukjam Myshakhsiyyah Telebram Bot (Crly2021w00318)(2021), Copyright - CoResearcher
4. M-Myshakhsiyyah: Mobile Based Myshakhsiyyah Apps (Crly2021w00317)(2021), Copyright - Co-Researcher
5. My Shakhsiyyah Speaking Dictionary (Ly2020000891)(2020), Copyright - Co-Researcher
6. Galexio Space Game (Ly2020001775)(2020), Copyright - Co-Researcher
7. Unisza-Sid: Unisza-Sudden Ionospheric Disturbance System (Ly2019000918)(2020), Copyright - Principal Investigator
8. Electrico (Ly2020006647)(2020), Copyright - Co-Researcher
9. E-Wallet Smart Parking System (Ly2020001122)(2020), Copyright - Co-Researcher
10. My Shakhsiyyah Ar Berkenaan Akhlak Islam (Ly202000889)(2020), Copyright - CoResearcher
11. Al-Kahf : Kembara Alam Hartawan Falak (Tm2020019652)(2020), Trade Mark - Principal Investigator
12. Modul Khalifah Ulul Albab (Ly2020000898)(2020), Copyright - Co-Researcher
13. Permainan Interaktif Dalam Pendidikan Akhlak: Myshakhsiyyah Game (Ly2019000883)(2019), Copyright - Co-Researcher
14. My Shakhsiyyah Ar (Ly2019003205)(2019), Copyright - Co-Researcher
15. Emr Suppressor Design for Phone Cover (Ly2019000474)(2019), Copyright - CoResearcher
16. Pembinaan Syakhsiyyah '\`ibad Al-Rahman Prspektif Al-Ghazali\' (Ly2019000884)(2019), Copyright - Co-Researcher
17. E-Solar: Online Solar Alert System for Callisto Spectra (Ly2019000473)(2019), Copyright - Principal Investigator
18. I-Musafir(2018), Copyright - Co-Researcher
19. Electromagnetic Radiation Phone Cover (Emr Pc)(2018), Copyright - Co-Researcher
20. I-Tabayyun : Semakan Isu Tular Berkaitan Falak Kontemporari Menerusi Aplikasi Telefon Pintar(2018), Copyright - Principal Investigator
21. Intelligent Solar Pump (Ispump)(2018), Copyright - Co-Researcher
22. Auto Burst: Automated Solar Radio Burst Monitoring System for Callisto Spectra(2018), Copyright - Principal Investigator
23. Effects of Meteorological Factors on Communication Signals Transmission in Terengganu: a Statistical Modeling Approach(2018), External IP - Co-Researcher
24. Myrfi-2.0: Wed-Based Map Viewer as Atool to Visualize Rfi Level for Environmental Monitoring and Management(2018), Copyright - Principal Investigator
25. Burst-Finder: Automated Solar Radio Burst Detection for E-Callisto Spectra(2017), Copyright - Principal Investigator
26. Circular Microstrip Patch Antenna for Frequencies from 0.8 Chz to 4.00 Chz(2017), External IP - Co-Researcher
27. Circular Microstrip Patch Anlenna for Ftequencies from 2.0 Ghz to 2.93 Ghz(2017), External IP - Co-Researcher
28. Myrfi Map : Mapping for Radio Frequency Interferences in Peninsular Malaysia(2017), Copyright - Principal Investigator

### **University level**

#### **Pemeriksa Sarjana & PhD**

1. Pemeriksa Dalam Sarjana, Pps UniSZA, 2021 - 2021
2. Pemeriksa Dalam Sarjana, Pemeriksa Dalam Sarjana (Gumel Muhammad Lawal Ali), 2021 - 2021
3. Pemeriksa Dalam Sarjana, Pemeriksa Dalam Pelajar Sarjana UniSZA (Sharifah Hamizah), 2015 - 2015

#### **Juri/hakim**

1. Juri/Hakim, Program Uniszapreneur (Up) 2021, 2021 - 2021
2. Juri/Hakim, Puspa Innovation Competition 2021 - Pusat Asasi UniSZA (Puspa), 2021 - 2021

3. Juri/Hakim, Juri Pertandingan Inovasi Sempena Puspa Innovation Competition 2020, 2020 - 2020
4. Juri/Hakim, Juri Pembentangan Poster : Rancangan Awal Perniagaan Program Flagship Keusahawanan, 2018 - 2018

**Ahli Jawatankuasa**

1. Ahli Jawatankuasa, Ahli Jawatankuasa Program Sains Sosial Persekitaran Fakulti Sains Sosial Gunaan, 2021 - 2022
2. Ahli Jawatankuasa, Jawatankuasa Pelaksana Penyediaan Platform Digital Festival of Ideas Kpt, 2021 - 2021
3. Ahli Jawatankuasa, Kertas Kerja dan Penerbitan Seminar Antarabangsa Perundangan Islam Dalam Masyarakat Kontemporari 2021 (Islac 2021) , 2021 - 2021
4. Ahli Jawatankuasa, Jawatankuasa Program Uniszapreneur (Up) 2021, 2021 - 2021
5. Ahli Jawatankuasa, Ahli Jawatankuasa Program Sains Sosial dan Persekitaran, 2021 - 2022
6. Ahli Jawatankuasa, Edu Tourism Jabatan Pendidikan Tinggi, Kpt, 2021 - 2021
7. Ahli, Ahli Persatuan Staf Akademik UniSZA, 2021 - 2022
8. Ahli Jawatankuasa, Petugas Pameran Drawbridge di Jambatan Angkat Kuala Terengganu, 2020 - 2020
9. Ahli Jawatankuasa, Ahli Jawatankuasa Program Ekspedisi Saintis Muda Alam Sekitar, 2020 - 2020
10. Ahli Jawatankuasa, Ahli Jawatankuasa Abstrak Siswazah Fki UniSZA 2020-201, 2020 - 2021
11. Ahli Jawatankuasa, Ahli Jawatankuasa Program Baharu Fakulti Sains Sosial Gunaan, 2020 - 2021
12. Ahli Jawatankuasa, Ahli Jawatankuasa Kerja Sempena Program Sambutan Iau100hours Diperingkat Global 10 Januari 2019 Anjuran Institut Penyelidikan Alam Sekitar Pantai Timur (Eseri), 2019 - 2019
13. Ahli Jawatankuasa, Jk 2nd International Postgraduate Research Conference 2019, 2019 - 2019
14. Ahli Jawatankuasa, Ahli Jawatankuasa Penjanaan Pendapatan Eseri 2019, 2019 - 2019
15. Ahli Jawatankuasa, Jk 2nd International Postgraduate Research Conference 2019, 2019 - 2019
16. Ahli Jawatankuasa, Jk Penilaian Harga dan Teknikal Bagi Eseri , 2016 - 2016
17. Ahli Jawatankuasa, Jk Penyelidikan Saintifik Sempena Esper Siri II Eseri 2016, 2016 - 2016
18. Ahli Jawatankuasa, AJK Kecil Logostik dan Perhiasan Jamuan Hari Raya Fki, 2019 - 2019
19. Ahli Jawatankuasa, Ahli Jawatankuasa Kecil Harta Intelek, 2018 - 2020
20. Ahli Jawatankuasa, Bentara Sempena Majlis Konvokeyen Ke-10 Universiti Sultan Zainal Abidin (UniSZA), 2018 - 2018
21. Ahli Jawatankuasa, Ahli Jawatankuasa Penjenamaan Semula Balai Cerap UniSZA, 2018 - 2018
22. Ahli Jawatankuasa, Ahli Jawatankuasa Kerja Program Flagship Keusahawanan \ ' Karniwal Siswapreneur@unisza 2018 Siri II, 2018 - 2018
23. Ahli Jawatankuasa, Ahli Jk Kecil Harta Intelek (Jkhi), 2016 - 2018
24. Ahli Jawatankuasa, Urusetia Program Cerapan Gerhana Bulan Penuh 31 Januari 2018, 2018 - 2018
25. Ahli Jawatankuasa, Ahli Jawatankuasa Kecil Perhiasan Dewan Sempena Jamuan Raya Fki, 2018 - 2018
26. Ahli Jawatankuasa, Jawatankuasa Kerja Sempena Lawatan Menteri Pendidikan Tinggi Ke UniSZA, 2017 - 2017
27. Ahli Jawatankuasa, AJK Menyunting & Menambahbaik Video Promo Mooc UniSZA, 2015 - 2016
28. Ahli Jawatankuasa, AJK Produk Inovasi Eseri, 2015 - 2017
29. Ahli Jawatankuasa, Bentara (Pembawa Cokmar) Majlis Konvokesyen Ke-7 UniSZA, 2015 - 2015

**Penceramah (Seminars/Workshop/Community)**

1. Penceramah, Penceramah Kursus Metodologi Penyelidikan Secara Dalam Talian - Pps UniSZA, 2021 - 2021
2. Penceramah, Penceramah Minggu Penyelidikan Inovasi 2021 - Jabatan Kerja Sosial Fsg, 2021 - 2021
3. Penceramah, Penceramah Research Skill Worskshop Anjuran Pps UniSZA, 2020 - 2020
4. Penceramah, Penceramah Bengkel Persediaan Minggu Penyelidikan dan Inovasi Mpi2020, 2020 - 2020

5. Penceramah, Penceramah Sharing Session on Innovation Fbk 2020, 2020 - 2020
6. Penceramah, Penceramah Bengkel Penulisan Artikel Berindeks Scopus UniSZA 2019 , 2019 - 2019
7. Penceramah, Speaker: Research Skill Workshop: Latex, 2019 - 2019
8. Penceramah, Penceramah Bengkel Asas Astrofotografi dan Teleskop, 2019 - 2019
9. Penceramah, Penceramah Bengkel Teleskop Sempena Fenomena Gerhana Bulan 31 Januari 2018, 2018 - 2018
10. Pembentang, Presenter Poster in 5th International Seminar on Al-Quran in Contemporary Society (Sq 2018), 2018 - 2018
11. Pembentang Ucaptama, Keynote Speaker: International Seminar on Islamic Education and Sciences Jointly by Faculty of Islamic Religion Umsida Indonesia, 2019 - 2019
12. Penceramah, Penceramah Bengkel Kursus Latex dan Maklumat Sistem Deografi (Gis), 2018 - 2018
13. Penceramah, Pembangun Kursus Massive Open Online Course (Mooc) UniSZA 2015, 2017 - 2017
14. Penceramah, Penceramah Astronomi Anjuran Kelab Astronomi UniSZA (Kastro) : Siri 2 - 2018, 2018 - 2018
15. Penceramah, Penceramah Bengkel Penggunaan Teleskop Sempena Cerapan Gerhana Bulan Penuh 28 Julai 2018, 2018 - 2018
16. Penceramah, Penunjuk Ajar Slot Eksplorasi Cakerawala Program Saintis Islam Kohort III, 2017 - 2017

#### **Editor**

1. Editor, Malaysian Journal of Applied Sciences (Myjas), 2021 - 2023
2. Panel Penilai, Penilai Abstrak Pelajar Siswazah (Frit), 2020 - 2020
3. Editor, Chief Editor of The Jurnal Islam dan Masyarakat Kontemporari (Jimk), 2020 - 2021
4. Editor, Section Editor - Malaysian Journal of Applied Sciences (Myjas), UniSZA, 2019 - 2020
5. Editor, Editor Jemputan - Journal of Analytical Science (Mjas) Special Issues , 2015 - 2015
6. Editor, Editor Jemputan - Journal of Analytical Science (Mjas) Special Issues , 2015 - 2015

#### **Panel Penilai Geran/Seminar/kolokium/artikel**

1. Panel Penilai, Penilai Geran DPU 2.0 Tahun 2020, 2020 - 2020
2. Panel Penilai, Panel Penilai Penyaringan Soalan Final Fizik Puspa 2020/2021, 2020 - 2020
3. Panel Penilai, Panel Penilai Bagi Pembentangan Kolokium Siswazah Institut Penyelidikan Alam Sekitar Pantai Timur (Eseri) 2/2021, 2021 - 2021
4. Panel Penilai, Pemeriksa Kolokium Siswazah Fbim 2021 : Mohammad Zulkarnain Mohd Dali (SI3610), 2021 - 2021
5. Panel Penilai, Panel Penilai Kolokium Eseri (UniSZA) Bil. 2/2020, 2020 - 2020
6. Panel Penilai, Penilai Kolokium Siswazah Fki 2020, 2020 - 2020
7. Panel Penilai, Penilai Geran FRGS Fasa 1 - 2020, 2020 - 2020
8. Panel Penilai, Panel Penilai Geran DPU 1.0 Bagi Tahun 2020, 2020 - 2020
9. Penyemak Kursus Bagi Program Pengajian Pusat Pengajian Syariah, 2020 - 2020
10. Panel Penilai, Panel Penilai Skim Geran FRGS Fasa 1/2020, 2020 - 2000
11. Panel Penilai, Penilai Pembentangan Kolokium Pelajar Siswazah Fakulti Pengajian Kontemporari Islam (Mac 2019), 2019 - 2019
12. Pemeriksa Program Akademik, Penyemak Proforma Kursus Program Diploma dan Ijazah Sarjana Muda Pengajian Islam, 2019 - 2019
13. Panel Penilai, Panel Penilai Pembentangan Kolokium Eseri Siri 1-2019, 2019 - 2019
14. Panel Penilai, Panel Penilai Pembentangan Pelajar Fsg 2019 (Januari), 2019 - 2019
15. Penilai Jurnal Berindeks Scopus/ISI, Penilai Artikel Jurnal Islam dan Masyarakat Kontemporari (Jimk), 2018 - 2018
16. Panel Penilai, Reviewer for The , 2018 - 2018
17. Panel Penilai, Reviewer for The , 2018 - 2018
18. Penilai Jurnal Berindeks Scopus/ISI, Penilai Artikel - Jurnal Islam dan Masyarakat Kontemporari (Jimk) , 2016 - 2016
19. Penilai Jurnal Berindeks Scopus/ISI, Penilai Artikel - Malaysian Journal of Analytical Science (Mjas) Special Issues, 2015 - 2015

#### **Pengerusi VIVA/seminar**

1. Pengerusi Viva, Peperiksaan Lisan Mempertahankan Tesis Pelajar Sarjana Sains- Oraik Bilal Mahmoud Ali, 2022 - 2022
2. Pengerusi Viva, Pengerusi Viva Pelajar Sarjana Sains - nor Azirah Sulaiman (SI2533),

- 2020 - 2020
3. Pengerusi Viva, Pengerusi Viva Pelajar Sarjana - Nurul Syafiqah Bt Mazlan (), 2020 - 2020
  4. Pengerusi Viva, Pengerusi Peperiksaan Viva Pelajar Sarjana Sains (Aishatul Amiera), 2019 - 2019
  5. Pengerusi, Pengerusi Pembentangan Sesi Selari Islac 2017, 2017 – 2017

#### **Others**

1. Mentor, Mentor Program Mudapreneur@he, 2019 - 2020
2. Moderator, Moderator Sesi Pembentangan: Persidangan Kebangsaan Alam Sekitar, Sosial dan Pembangunan (Asop) 2018, 2018 - 2018
3. Perlaksana Kursus Moocs dan Ocw Fki, 2016 - 2016
4. Penasihat Program Akademik, Penasihat Akademik Program Ism Sem 1 Sesi 2015/2016 Fki, 2015 - 2016
5. Penyelia Akademik Latihan Industri Pelajar Sesi Sem II 2014/2015, 2015 - 2015
6. Peserta, Peserta Bengkel Train of Trainer Asas Pembudayaan Keusahawanan (Apk) 2018, 2018 - 2018
7. Peserta, Bengkel Teleskop Sempena Gerhana Bulan Penuh 28 Julai 2018, 2018 - 2018
8. Peserta, Peserta Ekpedisi Saintifik Sungai Cantek Agropolis - Eseri 2015, 2015 - 2015
9. Peserta, Bengkel Analisis Data dan Demo Perisian Gis, 2015 - 2015
10. Peserta, Participant for Citation, Journal Impact Factor, H-Index: Thier Meaning and Impact on Researchers & Institutions, 2015 - 2015
11. Peserta, Peserta Seminar Pembelajaran Dalam Talian Secara Global (Global Online Learning-Gol), 2015 - 2015
12. Peserta, Peserta Bengkel Penyelian Pusat Pengajian Siswazah (Pps), 2015 - 2015
13. Peserta, Peserta Ceo @ Faculty Programme, 2015 - 2015

#### **Community Level**

##### **Pemeriksa Sarjana & PhD**

1. Pemeriksa Luar Sarjana, Pemeriksa Luar Sarjana (Farhan Naufal Rifqi) - Ukm, 2022 - 2022
2. Pemeriksa Luar Sarjana, Penilaian Pemeriksa Luar Bagi Pelajar Ijazah Sarjana (Nur Awatiff Mohamad Rizal) - USM, 2021 - 2021
4. Pemeriksa Luar PHD, Pemeriksa Luar Ph.D (Wan Nur Izzaty Ismail) - Ukm, 2021 - 2021
5. Pemeriksa Luar Sarjana, Pemeriksa Luar Sarjana (Mohamad Redzuan Tahar) - UM, 2021 - 2021
6. Pemeriksa Luar PHD, Pemeriksa Luar Ph.D (Khairusaadah) - UM, 2021 - 2021
7. Pemeriksa Luar PHD, Pemeriksa Tesis Calon Ijazah Kedoktoran (Siti Nurbaiti Ibrahim), Uitm Shah Alam, 2021 - 2021
8. Pemeriksa Luar PHD, Pemeriksa Luar Ph.D (Nurul Kausar Nizam) - UM, 2021 – 2021
9. Pemeriksa Luar Sarjana, External Examiner for Master Thesis (Nur Awatiff Bin Mohamad Rizal) USM, 2020 - 2020
10. Pemeriksa Luar PHD, External Examiner for Ph.D Thesis (Muhamad Zakuwa Bin Rodzali) UM, 2020 – 2020
11. Pemeriksa Luar Sarjana, Pemeriksa Luar Pelajar Ijazah Sarjana (Nurul Kausar), Universiti Malaya, 2015 – 2015
12. Pemeriksa Luar Sarjana, Pemeriksa Luar Sarjana (Nurul Fathin Ngadiman) - Uitm, 2021 - 2021
13. Pemeriksa luar sarjana muda, Pemeriksa Tesis Calon Ijazah Sarjana Uitm Shah Alam - Nur Ain Zakaria, 2018 - 2018
14. Pemeriksa Luar Sarjana, Pemeriksa Tesis Calon Ijazah Sarjana - Siti Nur Umairah, Uitm Shah Alam 2019, 2019 - 2019
15. Pemeriksa luar sarjana muda, Penyelia Bersama Final Year Project (UMT) 2017/2017, 2017 - 2018

##### **Juri/Hakim**

1. Juri/Hakim, Penilai Bagi Pembentangan Video Sempena Program Student Research Day 2022. Anjuran Universiti Malaysia Terengganu.
2. Juri/Hakim, Juri Bagi Pertandingan Inovasi Inter-Asasi Matrikulasi 2021 (Pitram 2021), 2021 - 2021
3. Juri/Hakim, Juri Pertandingan Inovasi Inter-Asasi Matrikulasi 2021 (Pitram 2021) - UMT, 2021 - 2021
4. Juri/Hakim, Juri Pertandingan Amalan Inovasi Pegajaran dan Pembelajaran UMT (Aipp) :

- Program Karnival Inovasi Umt2021, 2021 - 2021
5. Juri/Hakim, Juri Pertandingan Amalan Inovasi Pengajaran dan Pembelajaran Sempena Program Karnival Inovasi@umt 2020, 2020 - 2020
  6. Juri/Hakim, Penilai Bagi Pembentangan Video Sempena Program Student Research Day 2021 Anjuran Universiti Malaysia Terengganu, 2021 - 2021
  7. Juri/Hakim, Juri - Kolokium Nukleus Amalan Terbaik (Nat) 2019 Anjuran Ipg Kampus Dato Razali Ismail, 2019 – 2019
  8. Juri/Hakim, Panel Penilai Pertandingan Minggu Penyelidikan Inovasi (Mpi) 2019, 2019 - 2019
  9. Juri/Hakim, Juri Pertandingan Inovasi Ednovac Peringkat Kebangsaan, 2019 - 2019
  10. Panel Penilai, Panel Penilai Kolokium Amalan Nukleus Terbaik 2.0 Ipgkdri (Nat 2021), 2021 - 2021
  11. Juri/Hakim, Panel Pertandingan Inovasi Projek Pelajar Politeknik Kuala Terengganu Jun 2018, 2018 - 2018
  12. Panel Penilai, Panel Penilai Poster Inovasi - Mpi UniSZA 2015, 2015 – 2015

### **Memberships**

1. Ahli, Life Member - Malaysian Institute of Physics, 2014 - 2030
2. Ahli, Ahli Radio Amatur Malaysia, 2019 - 2023
3. Ahli, Member of International Astronomical Union (Iau), 2019 - 2030
4. Ahli, Teknologis Berijazah (Lembaga Teknologis Malaysia-Mbot. Id : Gt19030451), 2019 - 2030
5. Ahli, Ahli Persatuan Perlindungan Sinaran Malaysia (Marpa), 2018 - 2030
6. Ahli, Member of International Association of Engineers (IAENG), 2017 – 2030
7. Ahli Persatuan Professor Negara, 2022 - Present
8. Ahli Persatuan Staf Akademik UniSZA 2022 - Present

### **Penceramah**

11. Penceramah, Ahli Panel Program Bicara Ipt Anjuran Tvpss Smk Batu Rakit, 2021 – 2021
11. Penceramah, Penceramah Kursus Penyusunan Kalendar Islam & Rukyah Hilal : Psmza 2018, 2018 - 2018
15. Penceramah, Penceramah Program Sembang Angkasa Sempena Minggu Sains Negara 2021, MOSTI, 2021 - 2021
66. Penceramah @ Invited Speaker: Kuliah Tamu di Universitas Pajajaran (Unpad), 2017 - 2017
67. Penceramah @ Invited Speaker Seminar - 2nd National School on Space and Earth Electromagnetism (Nsosee 2017), 2017 - 2017
33. Penceramah, Penceramah Sempena Majlis Pengagihan Bingkisan Ramadhan, Sk Institut Pendidikan Guru Kampus Dato\` Razali Ismail, 2016 - 2016

### **Penilai Artikel/Geran/seminar**

1. Penilai Geran Luar, Penilai Geran FRGS Fasa 1 - 2020 : Role of Silicon Carbide Schottky Diode as Radiation Detector and Energy Harvester in High Energy Photon Environments, 2020 - 2020
2. Penilai Jurnal Berindeks Scopus/ISI, Reviewer - Egyptian Journal of Aquatic Biology and Fisheries, Isi, 2020 - 2020
3. Auditor, Juruaudit Dalam Myra, 2020 - 2023
4. Panel Penilai, Penilai Pembentangan Poster Pelajar Sempena Student Research Day@umt 2019, 2019 - 2019
5. Penilai Jurnal Berindeks Scopus/ISI, Pewasit Artikel - Bitara International Journal of Civilizational Studies and Human Sciences, 2018 - 2018
6. Penilai Jurnal Lain-lain Indeks, Reviewer for Polish Journal of Environmental Studies, 2018 - 2018
7. Penilai Jurnal Lain-lain Indeks, Penilai Artikel Jurnal Sains Humanika UTM 2018, 2018 - 2018
8. Panel Penilai, Penilai Jemputan Untuk UMT Undergraduate Research Day 2018, 2018 - 2018
9. Penilai Jurnal Berindeks Scopus/ISI, Penilai Artikel Jurnal Sainsmalaysiana (2017) Bertajuk : Pemerhatian Arus Ionosfera Semasa Suar Suria Kuat Menggunakan Data Magnetometer Dasar, 2017 - 2017

### **JK Seminar**

1. Ahli Jawatankuasa, Rakan Kerjasama Strategik Conference Icessat2020 dan Nsosee2020,

- 2020 - 2020
2. Ahli Jawatankuasa Teknikal, Technical Program Co Chair (Organizing Committee Member) - 2nd International Conference on Space Weather and Satellite Application (Icessat 2020), 2020 - 2020
  3. Ahli Jawatankuasa, Ahli Jawatankuasa Kerja Program Sambutan Kesatuan Astronomi Antarabangsa (Iau) 100hours, 2019 - 2019
  4. Ahli Jawatankuasa, Ahli Jawatankuasa Program Teknikal 2018 International Conference on 22 / 22 Space Weather and Satellite Application (Icessat 2018), 2018 - 2018
  5. Ahli Jawatankuasa, Jk Balaicerap Malaysia, Agensi Angkasa Negara (Angkasa), 2015 - 2015
  6. Ketua, Ketua Jawatankuasa Kerja Jerayawara Astronomi Sempena Gmac Convention di 2020, 2020 – 2020
  7. Ahli Jawatankuasa, International Steering Committee for Japan-Malaysia Joint Seminar on Space & Earth Electromagnetism 2018, 2018 - 2018
  8. Ahli Jawatankuasa, Organizing Committee - 2nd National School on Space Earth Electromagnetism, 2017 - 2017
  9. Ahli Jawatankuasa, AJK Induk Penganjuran 2nd Nssee, Agensi Angkasa Negara, MOSTI, 2017 - 2017
  10. Ahli Jawatankuasa, Undangan Riset Bersama Bidang Lingkungan (Persampelan Air di Empangan Tasik Jatigede, Sumedang, Jawa Barat Indonesia), 2017 - 2017
  11. Ahli Jawatankuasa, Jawatankuasa Induk Seminar Antarabangsa Al-Quran Dalam Masyarakat Kontemporari (Sq2018), 2018 - 2018

#### **Editor**

52. Ahli Lembaga Editor jurnal Lain-lain Indeks, Editorial Board : International Conference on Engineering and Computing Technology (Icect), 2018 – 2018
43. Ahli Lembaga Editor jurnal Berindeks Scopus/WOS, Editorial Board - International Conference on Engineering and Computing Technology (Icect II 2018), 2018 - 2018
58. Editor - Malaysian Journal of Applied Sciences (Myjas), UniSZA, 2017 - 2018
14. Ahli Lembaga Editor jurnal Lain-lain Indeks, Editor Journal : Advances in Physics and Astronomy: an International Journal, 2021 - 2021
45. Editor, Guest Editor Journal of Fundamental and Applied Sciences (Jfas) : Volume 10 Issue 5s 2018, 2018 - 2018
46. Editor, Guest Editor Journal of Fundamental and Applied Sciences (Jfas) : Volume 10 Issue 6s 2018, 2018 - 2018
47. Editor, Guest Editor Journal of Fundamental and Applied Sciences (Jfas) : Volume 10 Issue 3s 2018, 2018 - 2018
48. Editor, Guest Editor Journal of Fundamental and Applied Sciences (Jfas) : Volume 10 Issue 4s 2018, 2018 - 2018

#### **Others**

11. Penyelidik Bagi Menjalankan Kajian dan Penyelidikan Falak Jabatan Mufti Negeri Perak, 2021 - 2021
13. Pengerusi Viva, Pengerusi Peperiksaan Lisan Mempertahankan Tesis Pelajar Sarjana Sains Alam Sekitar-Al Omari Haya Husains Zaid, 2021 - 2021
21. Koleborasi Projek Radio Astronomi Untuk Eavn Antara Eseri-School of Physics and Astronomy, Univ of Birmingham, 2020 - 2020
30. Ahli, Felo Penyelidik Bersama Projek Saintis Islam Kohort Ke-5, 2019, 2019 - 2019
35. Jurulatih, Penunjuk Ajar Slot 'cakerawala', 2019 - 2019
36. Penyelia, Penyelia Bersama Pelajar Ijazah UMT (Fyp) Sesi 2018/2019, 2018 - 2018
61. Penyelidik Program Saintis Islam Terengganu Kohort III 2017, 2017 - 2017
71. Moderator, Moderator - 2016 International Conference on Science and Technology Applications in Climate Change (Staclim 2016), 2016 - 2016
62. Peserta, Peserta Bengkel Pemurnian Modul Untuk Program Saintis Islam Terengganu Kohort III 2017, 2017 - 2017
63. Peserta, Magdas Training Certificate, 2017 - 2017
69. Peserta, Participant - 2nd National School on Space Earth Electromagnetism, 2017 - 2017
74. Peserta, Participant - 2016 International Conference on Science and Technology Applications in Climate Change (Staclim2016) , 2016 - 2016
75. Peserta, Participant - 2016 International Conference on Science and Technology Applications in Climate Change (Staclim2016) , 2016 – 2016
76. Peserta, Muzakarah Falak 2015 Peringkat Kebangsaan Kali Ke-10, 2015 - 2015
78. Peserta, Persidangan Antarabangsa Pembangunan Pendidikan, Alam Sekitar, Perlancongan, Ekonomi, Seni dan Warisan, 2015 - 2015



### Consultation

1. Pakar Rujuk/Pakar Bidang, Pakar Kesahan Muka & Kandungan Instrumen Soal Selidik Modul Multimedia Interaktif Dalam Topik Atmosfera Bumi Bagi Lapisan Ionosfera, 2021 - 2021
2. Perunding, Universiti Sains Malaysia (USM), 2021 - 2021
3. Perunding, Projek Perundingan Bagi Kajian Penyelidikan Kesesuaian Tapak dan Skop Penyelidikan Teleskop Radio di Kompleks Balai Cerap, Segari Perak., 2021 - 2021
4. Perunding, Panel Perunding Sistem Tanya Pakar UniSZA, 2020 - 2021
5. Perunding, Specialist Consultation and Guidance for Rfid Antenna Enhancements, 2018 - 2019
6. Pakar Rujuk/Pakar Bidang, Panel Penilai Pakar Untuk Penilaian Permohonan Pembiayaan Dana R,d&c MOSTI, 2016 - 2018
7. Perunding, Perunding Alam Sekitar Bagi Projek Pembinaan Pusat Servis Teknikal (Stc) di Pangkalan Udara Tudm Gong Kedak, 2015 - 2015
8. Pakar Rujuk/Pakar Bidang, Penyelidik Bersama Bagi Projek Pembangunan Produk Inovasi Peralatan Pintar Kualiti Air , 2015 - 2015
9. Pakar Rujuk/Pakar Bidang, Panel Penilai Pakar Untuk Penilaian Permohonan Pembiayaan dan Pemantauan Dana R,d&c Kementerian Sains dan Teknologi Inovasi (MOSTI), 2002 - 2015

### APPENDIX B

#### Journal

##### 2022

1. Yussof, W. N. J. H. W., Man, M., Umar, R., Zulkeflee, A. N., Awalludin, E. A., & Ahmad, N. (2022). Enhancing Moon Crescent Visibility Using Contrast-Limited Adaptive Histogram Equalization and Bilateral Filtering Techniques. *Journal of Telecommunications and Information Technology*, (1), 3-13. (Scopus Indexed).
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109. The Importance of Radio Quiet Zone (RQZ) for Radio Astronomy (2013), *Aip Conference Proceedings*, pp. 32 - 37, ISSN: 0094243X (Scopus Indexed)
110. The Study of Radio Frequency Interference (RFI) in Altitude Effect on Radio Astronomy in Malaysia And Thailand (2013), *Middle East Journal of Scientific Research*, pp. 861-866, ISSN: 19909233 [P] (Scopus Indexed)
111. Space Weather: The Role of Solar Radio Monitoring in Malaysia And Implications of Sun Activities To The Earth. (2013), *International Journal of Fundamental Physical Sciences*, pp. 57-63, ISSN: ISSN: 2231-8186 (Other Index)
- 2008
112. Application of Parallel Ensemble Monte Carlo Technique in Charge Dynamics Simulation (2008), *Sains Malaysiana*, pp. 89-93, ISSN: 01266039 (Scopus Indexed)

## Book Publication

### Authored Book

1. Bencana Banjir: Kupasan Pelbagai Perspektif (2015), Penerbit UniSZA, ISBN: 978-967-0899-14-5 - Co-Author

### Chapter in Book

1. Konsep Tabayyun Dalam Ise Berkaitan Falak: Analisis Menurut Nas & Teori Sains, Islam dan Kelestarian Alam (2021), Penerbit UMT, 45-56ISBN: 978-967-2939-34-4 - Main Author
2. Bab 4 : Konsep Tabayyun Dalam Isu Berkaitan Falak : Analisis Menurut Nas dan Teori Sains, Islam dan Kelestarian Alam (2021), Penerbit UMT, 45-56ISBN: 978-967-2939-34-4 - Main Author
3. Kajian Awal Perbezaan Kecerahan Langit di Persekitaran Balai Cerap KUSZA Bagi Penentuan Kelestarian Biodiversiti Setempat, Isu-Isu Sosial, Kesihatan dan Kelestarian: Satu Kupasan (2020), Universiti Kuala Lumpur Publishing, 98-107ISBN: 978-967-2184-33-1 - Main Author
4. Putaran Bumi-Bulan dan Kesannya Terhadap Banjir, Bencana Banjir Kupasan Pelbagai Perspektif (2015), Penerbit UniSZA, 39-52ISBN: 978-967-0899-14-5 - Main Author
5. Pendekatan Psikospiritual Dalam Menangani Isu Stres Akibat Banjir, Bencana Banjir Kupasan Pelbagai Perspektif (2015), Penerbit UniSZA, 143-160ISBN: 978-967-0899-14-5 - Co-Author
6. Kesan Sedimentasi Terhadap Hidrologi dan Kejadian Banjir: Satu Kajian Kes di Sungai Kelantan, Bencana Banjir Kupasan Pelbagai Perspektif (2015), Penerbit UniSZA, 53-68ISBN: 978-967-0899-14-5 - Co-Author

### Conference Proceedings

1. 4th International Conference on Science and Technology Applications in Climate Change, Staclim 2021, Selangor, Virtual (2021), - Main Author
2. 2nd International Conference on Space Weather and Satellite Application, Icessat 2020, Selangor, Virtual; Malaysia (2021), - Main Author
3. 4th International Conference on Science and Technology Applications in Climate Change, Staclim 2021, Selangor, Virtual (2021), - Main Author
4. 2nd International Conference on Space Weather and Satellite Application, Icessat 2020, Selangor, Virtual; Malaysia (2021), - Main Author
5. 2nd Joint International Conference on Emerging Computing Technology and Sports, Jicets 2019, Bandung; Indonesia (2019), - Main Author
6. 1st International Conference on Space Weather and Satellite Application 2018, Icessat 2018, Faculty of Electrical Engineering, Universiti Teknologi MARA (UiTM)Shah Alam (2018), - Main Author
7. The International Fundamentum Sciences Symposium 2018, Primula Beach HotelKuala Terengganu, Terengganu (2018), - Main Author
8. International Conference on Space Weather and Satellite Application (Icessat 2018), Shah Alam, Selangor, Malaysia (2018), - Main Author
9. Matec Web of Conferences, The Axana HotelPadang, West Sumatra; Indonesia (2018), - Main Author
10. 1st International Conference on Space Weather and Satellite Application 2018, Faculty of Electrical Engineering, Universiti Teknologi MARA (UiTM)Shah Alam (2018), - Main Author
11. The International Fundamentum Sciences Symposium 2018, Primula Beach Hotel, Terengganu, Malaysia (2018), - Main Author
12. International Conference on Space Weather and Satellite Application (Icessat 2018), Shah Alam, Selangor, Malaysia (2018), - Main Author
13. International University Carnival on E-Learning, IIUM Gombak Campus (2018), - Main Author
14. International Conference on Environmental, Sports and Recreation and Technology & Applications for Disaster Management International Conference, UNISZA (2017), - Main Author
15. International Conference on Environmental, Sports, and Recreation and Technology & Applications, UNISZA Im4U Outreach Camp, Setiu, Terengganu (2017), - Co-Author
16. International Conference on Challenges in Environmental Science & Engineering, Kaohsiung (2017), - Co-Author
17. International Conference on Environmental, Sports and Recreation and Technology & Applications for Disaster Management International Conference, UNISZA (2017), - Co-Author
18. Proceedings of National Workshop on Functional Material, Universiti Malaya (2017), - Main Author
19. National Workshop on Functional Materials 2017, 17 - 18 January 2017, Centre for Ionics University of Malaya (2017), - Main Author
20. International Conference on Environmental, Sports and Recreation and Technology &

- Applications for Disaster Management International Conference (Icesr 2107), UNISZA (2017), - Main Author
21. Challenges in Environmental Science & Engineering, Kaohsiung, Taiwan (2016), - CoAuthor
  22. International Postgraduate Research Conference (Iprc 2016), UNISZA (2016), - Main Author
  23. Challenges in Environmental Science & Engineering, Kaohsiung, Taiwan (2016), - Main Author
  24. Conference on The Challenges in Environmental Science and Engineering, Kaohsiung, TAIwan (2016), - Main Author
  25. International Postgraduate Research Conference (Iprc 2016), UniSZA (2016), - Co-Author
  26. Challenges in Environmental Science & Engineering, TAIWAN (2016), - Co-Author
  27. The Challenges in Environmental Science and Engineering, KAOHSIUNG, Taiwan (2016), - Co-Author
  28. Southeast Asia Young Astronomers Collaboration, University of Malaya (2015), - Main Author
  29. Mpi UniSZA 2015, UNISZA (2015), - Main Author
  30. 1st Annual International Conference, Terengganu, Malaysia (2015), - Co-Author
  31. International Seminar on AI - Quran in Contemporary Society, UniSZA (2015), - Main Author
  32. Ppsa Postgraduate Colloquium 2015 UMT, UMT (2015), - Co-Author
  33. 3rd International Conference on Mechanical Engineering Research, Icmr 2015; Zenith Hotelkuantan, , Pahang; Malaysia (2015), - Co-Author
  34. 11th Conference of Theoretical Physics and Nonlinear Phenomena, indonesia (2014), - Main Author
  35. The National Physics Conference (Perfik 2014), Sunway Resort Hotel and Spa, Kuala Lumpur, Malaysia (2014), - Main Author
  36. Siam Physics Congress (Spc) 2013, Chiang Mai, Thailand (2013), - Main Author
  37. National Physics Conference (Perfiks) 2012, Colmar Tropicale, Bukit Tinggi, Pahang (2012), - Main Author
  38. 2011 Iee , Penang, Malaysia (2011), - Main Author
  39. 7th Mathematics and Physical Science Graduates Congress , National University of Singapore (NUS) (2011), - Main Author
  40. 2011 Ieee International Conference on Space Science and Communication: \"towards Exploring The Equatorial Phenomena\", Ionspace 2011 - Proceedings, Penang, Malaysia (2011), - Co-Author



**Research Supervision:**

**PhD Supervision (UNISZA)**

No.	Student's Name	Role	Project Title	Status
1.	Musa Garba Abdullahi (PA15S11203)	Supervisor	Sky Brightness Study in Kano, Nigeria and Peninsular of Malaysia using Enviromentrics	Complete
2.	Norrlaili Binti Shapiee	Co-SV	Mathematical Statistical Computer	Complete
3.	Nur Zulaikha Mohd Afandi	Supervisor	Implementation of Frequency Drift for Identification of Solar Radio Burst Type II & III	Complete
4.	Marhamah bt Mohd Shafie	Supervisor	Small Radio Telescope Prototype for Radio Astronomy Purposes	In Progress
5.	Sharifah Nurul Aisyah bt Syed Zafar	Supervisor	Association of Space Weather Monitoring Data towards Earthquake Events Using Magneto-Metric Analysis	Complete
6.	Wan Mohd Suhaiman Wan Yusof	Supervisor	Analisis Dan Kajian Simulasi Terhadap Pemilihan Frekuensi Gelombang Tinggi Dalam Aplikasi Radio Amatur Di Malaysia Menggunakan APRS	In Progress

**PhD Supervision (UITM)**

No.	Student's Name	Role	Project Title	Status
1.	Nik Nur	Co-Sv	Mapping using GIS for fishery	In Progress

**PhD Supervision (UMT)**

No.	Student's Name	Role	Project Title	Status
1.	Basim	Co-Sv	MAGDAS	In Progress
2.	Liyanah Alfred	Co-Sv	Mathematical Statistical for Weather Broadcasting	Complete
3.	Siti Nur Dianah Abdul Rahman	Co-Sv	Ambient of EMR in Kuala Nerus using GIS	Complete

**Master Supervision (UNISZA)**

No.	Student's Name	Role	Project Title	Status
1.	Marhamah bt Mohd Shafie	Supervisor	Solar Radiation effect on Radio Signal for Radio Astronomy Purposes	Complete
2.	Sharifah Nurul Aisyah bt Syed Zafar	Supervisor	Radio Frequency Interference: Wind Effect on Radio Signal for Radio Astronomy Purposes	Complete
3.	Nurul Syafiqah Binti Hasshim	Supervisor	The study of EMR ambient in Kuala Nerus using GIS	In Progress
4.	Ahmad Solihin Sira Juddin	Supervisor	The Effect of Light Pollution to Nocturnal Insect in Ascending and Descending Phase of Lunar Cycle	In Progress
5.	Ahmad Ezzudin Mohamad	Supervisor	Penentuan Hilal di Malaysia Menggunakan Kaedah Pemprosesan Imej di Malaysia	In Progress
6.	Ahmad Najmuddin Zulkeflee	Supervisor	The Development Data Bank for new moon sighting (astronomical event) using image processing	Complete
7.	Mohammad Zulkarnain Mohd Dali	Co- Supervisor	GIS Study	In Progress
8.	Almuanifi Bushra Abdulkafi	Supervisor	Review of Secondary School Silibus for Middle East Country (Falak)	In Progress
9.	Noorjima Bt Abd Wahab	Co- Supervisor	Assessment of Total Suspended Sediment and Bed Sediment Grains in Upstream Areas of Terengganu	Complete (2018)

10.	Ismail Bin Zainal Abidin	Co- Supervisor	Water Monitoring	Complete
11.	Nalado Aliyu Muhammad	Co- Supervisor	Water Monitoring Using GIS	Complete

**Final Year Project (UniSZA)**  
**Academic Session 2022/2023**

No.	Student's Name	Role	Project Title	Status
1.	Nurul Jannah Binti Harun	Supervisor	Waktu Haram Solat Dari Perspektif Astronomi	Complete

**Final Year Project (UniSZA)**  
**Academic Session 2021/2022**

No.	Student's Name	Role	Project Title	Status
1.	Mohd Azhar Bin Ismail	Supervisor	Tahap Kesedaran Pelajar Sekolah Menengah Tentang Kaedah Penentuan Arah Kiblat Tanpa Bantuan Teknologi Di Dalam Keadaan Darurat	Complete
2.	Muhammad Afiq bin Khairuddin	Supervisor	Tahap Kefahaman Pelajar Syariah Semester 3 Berkaitan Had Pesongan Arah Kiblat Di Malaysia Yang Diterima Syariah	Complete

**Final Year Project (UniSZA)**  
**Academic Session 2020/2021**

No.	Student's Name	Role	Project Title	Status
1.	Nur Auni Izyan Shofie Binti Muhammed Nazri	Supervisor	Pensabitan Hilal Di Malaysia Menggunakan Kaedah Pemprosesan Imej	Complete
2.	Mohamad Yushaiqal Bin Mohamad Yasin	Supervisor	Penentuan Waktu Solat Dengan Kaedah Sistem Informasi Geografi (Gis) Berbanding Dengan Kaedah Zon Bagi Negeri Terengganu	Complete

**Final Year Project (UniSZA)**  
**Academic Session 2019/2020**

No.	Student's Name	Role	Project Title	Status
1.	Muhammad Khusyairi Bin Mat Zaid	Supervisor	Kajian Pemetaan Pembahagian Harta Pusaka Menggunakan Perisian Sistem Informasi Geografi (Gis) Di Daerah Kuala Terengganu	Complete

**Final Year Project (UITM-UniSZA)**  
**Academic Session 2018/2019**

No.	Student's Name	Role	Project Title	Status
1.	Mohd Sharul Aikal Baharim	Co- Supervisor	Light Pollution in Shah Alam Sky Brightness Analysis	Complete

**Final Year Project (UniSZA)**  
**Academic Session 2018/2019**

No.	Student's Name	Role	Project Title	Status
1.	Nurul Syamimi bt Mohamed Debuhan (043076)	Supervisor	Perbandingan Metod Dakwah Dalam Penyebaran Isu Falak Kontemporari Menerusi Gen X dan Gen Y	Complete
2.	Najihah bt Abdul Latip (043482)	Supervisor	Templait Dakwah Dalam Aplikasi Ibadah : Arah Kiblat	Complete

3.	Nur Aisyah Bibi bt Abu Bakar (043107)	Supervisor	Pengurusan Dakwah Dalam Penyebaran Fakta dan Mitos Dalam Falak Kontemporari	Complete
4.	Nurul Fatimah bt Hamad (043762)	Supervisor	Kajian Kecerahan Langit Dalam Penetapan Awal Waktu Solat Subuh Di Malaysia	Complete
5.	Nurul Nashuhah bt Harun (043473)	Supervisor	Keberkesanan Aplikasi Kiblat (Android) Dalam Telefon Pintar	Complete
6.	Nasuha bt Zulkifli (043743)	Supervisor	Fakta dan Mitos Dalam Astronomi Menurut Al-Quran dan Hadis	Complete
7.	Muhd Khusyairi Bin Mat Zaid (046834)	Supervisor	Kajian pemetaan pembahagian harta pusaka menggunakan 'GIS' di uppk jkptg k.trg.	On-going
8.	Seet Yong Yin (BAAL15039587)	Co- Supervisor	Isolation And Characterization of High Ambient Electromagnetic Radiation (EMR) Bacteria	Complete

**Final Year Project (UMT-UniSZA)**  
**Academic Session 2019/2020**

No.	Student's Name	Role	Project Title	Status
1.	Muhammad Hasbi Bin Mohd Noor (S47494)	Co- Supervisor	Sudden Ionospheric Disturbance: Vlf Detection To Characterize Lower Region Ionospheric Layer	Complete
2.	Muhammad Arif Adli Mohd Azlan (S48397)	Co- Supervisor	Design of high gain 1.8ghz and 2.1ghz patch antenna for Non-ionizing radiation (nir) measurement	Complete
3.	Muhammd Arfan Mohd Adzni	Co- Supervisor	ULF Detection and its Relation with Space Weather Perturbation Via Magnetometer Analysis	Complete
4.	Nur Auji Nabihah (S46701)	Co- Supervisor	Adjustable Antenna Using Plasma Medium For Weather Monitoring	Complete

**Final Year Project (UMT-UniSZA)**  
**Academic Session 2018/2019**

No.	Student's Name	Role	Project Title	Status
1.	Ainul Fazlin Najiha bt Azaha (S41541)	Co- Supervisor	Measurement of Electromagnet Field Strength Around Kuala Nerus	Complete
2.	Nurul Intan bt Abdullah (S43689)	Co- Supervisor	Measurement of Electromagnet Field Strength Around Kuala Nerus	Complete
3.	Nor Fathin Amira bt Zainal Abidin (S42848)	Co- Supervisor	Measurement of Electromagnet Field Strength Around Kuala Nerus	Complete
4.	Siti Shahira bt Sha'ri (S44124)	Co- Supervisor	Study Weather Effect on Radio Signal Using Plasma Antenna	Complete

**Final Year Project (UniSZA)**  
**Academic Session 2017/2018**

No.	Student's Name	Role	Project Title	Status
1.	Ahmad Syakir Hadi bin Mat Tabie (039935)	Supervisor	Pemetaan Pengurusan Harta Pusaka di Mahkamah Rendah Syariah Setiu Terengganu menggunakan GIS	Complete
2.	Nur Syikin bt Ruffehe (040525)	Supervisor	Penggunaan Sistem e-Faraid dan Isu-isu Tuntutan Harta Pusaka di Mahkamah Rendah Syariah Kuala Selangor	Complete
3.	Halimatun Zubaidah bt Sulong (039960)	Supervisor	Istihadah Menurut Fuqaha Empat Mazhab	Complete
4.	Nur Khalishah bt Ghazli (040886)	Supervisor	Kajian Kefahaman Konsep Tabayyun Astronomi Islam dalam Penerimaan dan Penybaran Berita Melalui Media Massa	Complete
5.	Anina bt Mostapha (041787)	Supervisor	Penceriaan Dalam Kalangan Warga Emas di Mahkamah Syariah Kuala Terengganu	Complete

**Final Year Project (UMT-UniSZA)**  
**Academic Session 2015/2016**

No.	Student's Name	Role	Project Title	Status
1.	Zaidatul Nabilah bt Zainuddin	Co- Supervisor	Determination Of Radio Frequency Interference (RFI) On Callisto Spectrum By Using Kurtosis Analysis	Complete
2.	Yvonne Chiang Hui Yao (S39253)	Co- Supervisor	Identification of Burst for Callisto	Complete
3.	Ahmad Izat Arif Ilyas	Co- Supervisor	Ambient of EMR in Kuala Nerus	Complete

**Final Year Project (UniSZA)**  
**Academic Session 2016/2017**

No.	Student's Name	Role	Project Title	Status
1.	Rahimah Binti Halim (037399)	Supervisor	Perubahan Cuaca dan Kesannya Terhadap Kenampakan Anak Bulan	Complete
2.	Latifah Laila Binti Che Hasan (038254)	Supervisor	Perbandingan Konsep Tabayyun Islam dan Barat Dalam Isu Falak Kontemporari	Complete
3.	Rodhiyah bt Shahimi (037793)	Supervisor	Konsep Gerhana Menurut Al-Biruni Dalam Kontek Masyarakat dan Teori Sains	Complete
4.	Nur Athirah bt Ahmad Tashil @ Ahmad Fazil (037844)	Supervisor	Pendekatan Tabayyun dalam isu falak kontemporari	Complete

**Final Year Project (UniSZA)**  
**Academic Session 2015/2016**

No.	Student's Name	Role	Project Title	Status
1.	Nor Fazila Rusni (034698)	Supervisor	Pencerapan Anak Bulan Menggunakan Radio dan Optik	Complete
2.	Mohammad Badrul Hafiz Nasri (032557)	Supervisor	Konsep Tabayyun dalam isu Berkaitan Falak : Analisis menurut Nas dan Teori Sains	Complete
3.	Nor Hazlina Alias	Supervisor	Perbezaan Waktu dan kaedah Penentuan Hilal antara Negara di seluruh dunia	Complete

**Final Year Project (UMT-UniSZA)**  
**Academic Session 2015/2016**

No.	Student's Name	Role	Project Title	Status
1.	Noor Khuraisah bt Yusof (UK32946 )	Co- Supervisor	Radio Frequency Interference	Complete
2.	Nur Ain bt Azizan (UK32349)	Co- Supervisor	Radio Frequency Interference	Complete
3.	Adilatul Azizah bt Tajul Ariffin (UK32781)	Co- Supervisor	Radio Frequency Interference	Complete
4.	Nur Izzati bt Azahari (UK31882)	Co- Supervisor	Radio Frequency Interference	Complete
5.	Farah Wahida bt Ramu (UK31704)	Co- Supervisor	Radio Frequency Interference	Complete

**Academic Session 2014/2015**

No.	Student's Name	Role	Project Title	Status
1.	Atiq Wahidah bt Azlan (UK29138 )	Co- Supervisor	Radio Frequency Interference: The Effect of Siolar Radiation on Radio Signal for Radio Astronomy Purposes	Completed
2.	Shahirah Syafa bt Sulan (UK29681 )	Co- Supervisor	Radio Frequency Interference: Rain Effect on Radio Signal for Radio Astronomy Purposes	Completed
3.	Sharifah Nurul Aisyah bt Syed Zafar (UK29141)	Co- Supervisor	Radio Frequency Interference: The Effect of Ambient Carbon Dioxide on Radio Signal for Radio Astronomy Purposes	Completed