

CURRICULUM VITAE

1. **Name** : Assoc. Prof. Ts. Dr. Mohamad Faiz bin Mohd Amin
2. **Date of Birth** : 02 August 1985
3. **Academic Duty** : Dean
4. **Address** : Faculty of Earth Science,
UMK Jeli, Kelantan
5. **Phone** : 01132690788
6. **e-mail** : mohamadfaiz@umk.edu.my
7. **Language** : Malay (Good), English (Good), Dutch (Basic)
8. **Research interest and expertise**



- a. Environmental and water quality
- b. Environmental pollution analysis and remediation
- c. Environmental microbiology
- d. Environmental Sustainability

9. Educational Background

Degree	Program/ Research	Faculty	Mode of study	Year graduation
BSc.	Science (Industrial Biology)	Science, UTM, Johor, Malaysia	Courses	August, 2007
MSc.	Science (Biological water and wastewater treatment)	Bioscience & Bioengineering, UTM, Johor, Malaysia	Research	August, 2010
PhD.	Engineering (Physical-chemical wastewater treatment)	Civil engineering and Geoscience, TU Delft, Netherlands	Research	April, 2015

10. Thesis

PhD. Thesis:

Polymers for micropollutants removal from wastewater, April 2015, TU Delft, (Promoter: Prof. Dr. Ir. L.C.Luuk Rietveld, TU Delft; Supervisor: Dr.Ir. S.G.J Heijman TU Delft)

MSc. Thesis:

Development of aerobic granules using decolourising bacteria and their application in textile wastewater treatment, August 2010, (Supervisor: PM. Dr. Zaharah Ibrahim UTM; PM. Dr Adibah Yahya UTM; PM. Dr Azmi Aris UTM.)

11. Administration Duties

Duty	Institutions	Year/dates
Dean	Faculty of Earth Science, UMK	Jan 2020-ongoing
Deputy Dean of Research and Innovation	Faculty of Earth Science, UMK	Jul 2017-Jan 2020
Laboratory Manager	Faculty of Earth Science, UMK	Jun 2015-Jul 2017
Laboratory supervisor	TU Delft, Netherlands	Nov 2010-April 2012
Research Assistant	Bioscience and Bioengineering Faculty, UTM	Jun 2007-July 2008

12. **Research and Publication**

Research Project/Grant

A. **Total Research Grant Amount : RM 9,985,609.52**

Total Research Grant Leader Amount: RM 1,509,839.14

No.	Grant Name	Year	Organizer/ Collaborators	Fund Size	Status
1.	UTM-UMK-UMT-UNIMAP matching grant Title : Enhancement of biogranular process through the application of natural polymer	2021	UTM-UMK- UMT-UNIMAP	RM100,000	Leader Active
2.	MOF : Social Enterprise Project Title :Program Superfood Spirulina : Langkah Lestari Untuk Mengatasi Malnutrisi Komuniti	2020- 2022	UMK	RM290,000	Leader Active
3.	SGJP-SIR Title : UMK Groundwater Project: Realtime Water Quality Monitoring System (Wms)	2020- 2021	UMK	RM30,000	Leader Active
4.	UMK-IDS Solution matching grant 2018 Title : Compact modular package for aquaculture monitoring system	2018	UMK-IDS Solution Sdn.Bhd	RM60,000	Leader Complete
5.	FRGS Title: Study on potential action mode of Azolla pinnata as bio- insecticide against Aedes aegypti and Aedes albopictus	2017- 2019	UMK – Malaysian Ministry of Education	RM97,732	Leader Complete
6.	INSPEK-JAKOA-KESEDAR Title: Catfish farming for Orang Asli Sg.Rual, Jeli Kelantan	2017- 2018	UMK/ JAKOA, KESEDAR	RM51,000	Leader Complete
7.	SGJP Title : Pure Dew Module: Atmospheric water haverster.	2016- 2017	UMK	RM15,104	Leader Complete
8.	NRGS Title: Developing Rural Entrepreneurship Model For Poverty Eradication In Kelantan: Establishing Sustainable of Fresh Water Aquaculture Fry Production and Growth Out Pond	2014- 2019	UMK/ Malaysian Ministry of Education	RM875,003.14	Leader Complete

	Management				
9.	SGJP-SIR Title: UMK Groundwater Project: groundwater Potential Sources Identification in UMK Bachok Using GIS Approach	2020-2021	UMK	RM30,000	Co-researcher Active
10.	SGJP-MATCH Title: UMK Groundwater Project: Preliminary Study of Groundwater Potential Souces Identification	2020-2021	UMK, UTM	RM30,000	Co-researcher Active
11.	FRGS Title: Study on the biodegradation process of nutrient in municipal wastewater under the influence of electromagnetic field	2017-2019	UTM- Malaysian Ministry of Education	RM99,540	Co-researcher Active
12.	SGJP Title : Modelling study on the distribution of rare earth elements in surface sediment along Kelantan River	2018-2019	UMK	RM20,000	Co-researcher Complete
13.	Public-Private Research Network Title: Portable Roti John Multitasking machine	2018	UMK- Malaysian Ministry of Education	RM45,104	Co-researcher Complete
14.	UMK-Zusiz Enterprise matching grant 2018 Title: Extraction of Nanocellulose from agriculture waste development of organic biodegradable plastic (RM60,000)	2018	UMK-Zusiz	RM60,000	Co-researcher Complete
15.	UKM-YSD grant 2018 Title :The impact of climate change to socio-economic of paddy farmer in Kelantan dan Kedah	2018	UKM-YSD Kursi Perubahan Iklim UKM-YSD	RM21,000.00	Co-researcher Complete
16.	SGJP Development of Tilapia pond smart water quality monitoring system	2017-2018	UMK	RM20,000.00	Complete
17.	SGJP Title: Removal of organic	2017-2018	UMK	RM20,000.00	Co-researcher

	contaminant from aqueous solution by using bio-adsorbent pouch				Complete
18.	SGJP Title: Health risk assessment of heavy metal via consumption of Asian swamp eel in Kelantan paddy cultivation area	2017-2018	UMK	RM20,000.00	Co-researcher Complete
19.	SGJP Title : Assesment of conservation value for ecotourism resources at Taman Negara Kuala Koh, Kelantan	2017-2018	UMK	RM20,000.00	Co-researcher Complete
20.	SGJP Title: Assessment of indoor air quality (IAQ) and thermal comfort in Mechanically Ventilated Lecture hall and hostel room.	2017-2018	UMK	RM15,104.00	Co-researcher Complete
21.	Public-Private Research Network Title :Filing and capping machine of multipurpose seasoning	2017	UMK- Malaysian Ministry of Education	RM47,000.00	Co-researcher Complete
22.	SGJP Title: Assesment of indoor air quality (IAQ) and thermal comfort in Mechanically Ventilated Lecture hall and hostel room.	2016-2017	UMK	RM15,104.00	Co-researcher Complete
23.	FRGS Title: Assesment of indoor air quality (IAQ) and thermal comfort in Mechanically Ventilated Lecture hall and hostel room.Study on the potential and mechanism(s) of Alocasia puber (Araceae) for the treatment of heavy metals contamination in water and soils.	2016-2018	UMK- Malaysian Ministry of Education	RM78,200.00	Co-researcher Complete
24.	PRGS Title: Prototype of the Locally Grown Spirulina Strain as Supplement Feed for Ruminant by Using Photobioreactor.	2016-2018	UMK- Malaysian Ministry of Education	RM230,000.00	Co-researcher Complete
25.	FRGS Title : Treatment of polluted water by catalytic reduction method in presence of	2015-2017	UMK- Malaysian Ministry of	RM81,200.00	Co-researcher Complete

	newly prepared Pd catalyst		Education		
26.	SGJP Title : Study on performance of CO ₂ lasers in paint removal over selected national car model and its environmental pollution implications.	2014-2016	UMK	RM60,200.00	Co-researcher Complete
27.	OPTIMIX Title: Polymers for micropollutants removal from wastewater	2010-2012	Delft, the Netherlands-Nalco Netherlands B..V, Waterboard Rijnlands, Agentschap NL,TU Delft.	RM7,454,218.38	Co-researcher Complete

B. Intellectual properties

2 copyrights on 2019 for two research projects and a pattern still waiting for the approval.

IP	Reg. No.	Item	Project Title	Status	Year application
Copyright	LY 2019000487	Mosquito's larvae controlling composition	Study on potential action mode of <i>Azolla pinnata</i> as bio-insecticide against <i>Aedes aegypti</i> and <i>Aedes albopictus</i>	Granted	2019
Copyright	LY 2018001982	Quasen-Aquaculture smart monitoring system	Developing a sustainable fry production and pond management entrepreneurship model of freshwater farming industry.	Granted	2018
Pattern	PI 2017703985	Mosquito's larvae controlling composition	Study on potential action mode of <i>Azolla pinnata</i> as bio-insecticide against <i>Aedes aegypti</i> and <i>Aedes albopictus</i>	Pending	2017

C. Publications

C1. Books

Year	Publisher	Title	ISBN
2015	Gilderprint B.V. Netherlands.	Polymers for Micropollutants Removal from Wastewater, 2015, TU Delft.	978-94-61089-60-1
2019	Penerbit UMK	Tatacara Operasi Piawaian (TOP) Ternakan Ikan Keli.	978-967-2229-01-8

C2. Modules

Year	Title
2017	Training modules and operational standard of Tilapia farming (Modul Latihan dan tatacara operasi piawaian ternakan tilapia) NRGS 2017, Author
2018	Training modules and operational standard of Catfish Farming (Modul Latihan dan tatacara operasi piawaian ternakan ikan keli) INSPEK 2018, Author

C3. Chapter in Book

Year	Publisher	Title	ISBN
2020	Nova Science Publisher	Two chapter : Bio-Waste as Potential Activated Carbon in Remediating Dye Solution : Methyl Orange Removal Using Corncob Activated Carbon	978-1-53618-936-0

C4. Indexed Articles

No.	Articles	Q	Role(Indexing)	Year
1.	Nur Shahidah Aftar Ali; Muda, Khalida; Amin, Mohamad Faiz Mohd; Najib, Mohamed Zuhaili Mohamed; Ezechi, Ezerie Henry; Darwish, Mohamad S. J.,2021,Initialization, enhancement and mechanisms of aerobic granulation in wastewater treatment,Separation and Purification Technology ,260,	Q1	Corresponding Author (WOS & Scopus)	2021
2.	R. Ravi; I. H. Ishak; M.F. Mohd Amin; M.A. Salam,2020,AgNPs-Azolla Pinnata Extract As Larvicidal Against Aedes Aegypti (Diptera: Culicidae),IOP Conference Series: Earth and Environmental Science,596,8-Jan		Corresponding Author (WOS & Scopus)	2020
3.	Farah Amanina Mohd Zin, An'amt Mohamed Noor1, Wan Nurshafeera Wan Mohd Nasri1, Nurul Natasya Roslan, Nur Aqilah Buniamin1, Mohammad Khairul Azhar Abdul Razab, Mohd Sukhairi Mat Rasa1, Nor Hakim Abdullah, Mohamad Faiz Mohd Amin, Lee Seong Wei,2020,Synthesis of Sodium Alginate Graphene Oxide-Silver Film for Antibacterial Activity,IOP Conference Series: Earth and Environmental Science,596,7-Jan	-	Co-Author (WOS & Scopus)	2020
4.	Farah Amanina Mohd Zin; An'amt Mohamed Noor; Wan Nurshafeera Wan Mohd Nasri; Nurul Natasya Rosli; Nur Aqilah Buniamin; Mohammad Khairul Azhar Abd Razab; Mohd Sukhairi Mat Rasat; Nor Hakim Abdullah; Mohamad Faiz Mohd Amin,2020,Synthesis of Sodium Alginate Graphene Oxide Thin Film for Adsorption Application,IOP Conference Series: Earth and Environmental Science,596,7-Jan		Co-Author (WOS & Scopus)	2020
5.	Ravi, R., Rajendran, D., Oh, W. D., Rasat, M. S. M., Hamzah, Z., Ishak, I. H., & Amin, M. F. M,2020,The potential use of Azolla pinnata as an alternative bio-insecticide,Scientific Reports,10,8	Q1	Corresponding Author (WOS)	2020
6.	Ravindran D.R., Bharathithasan M., Ramaiah P., Rasat M.S.M., Raje,2020,Chemical Composition and Larvicidal Activity of Flower Extracts from Clitoria ternatea against Aedes (Diptera: Culicidae),Journal of Chemistry,2020,9	Q2	Corresponding Author (WOS & Scopus)	2020

7.	Thani N.S.M., Ghazi R.M., Wahab I.R.A., Amin M.F.M., Hamzah Z., Y,2020,Optimization of phytoremediation of nickel by alocasia puber using response surface methodology,Water (Switzerland),12,16	Q2	Co-Author (WOS & Scopus)	2020
8.	Mohammed Abdus Salam ,Shujit Chandra Paul,Rabiatul Adawiyah M. Mohamad Zain,Snahasish Bhowmik,Mithun Rani Nath,Sadia Afrin Siddiqua,Tutun Das Aka,Muhammad Anwar Iqbal,Wan Rashidah Kadir,Rozita Binti Ahamad,Md. Abdul Khaleque,Aweng Eh Rak,Mohamad Faiz Mohd Amin,2020,Trace metals contamination potential and health risk assessment of commonly consumed fish of Perak River, Malaysia,PLoS ONE,15,	Q1	Co-Author (WOS & Scopus)	2020
9.	Nandita Mitra ,Shihab Ahmad Shahriar, O,Nurunnaher Lovely ,Md Shohel Khan ,Aweng Eh Rak,S. P. Kar ,Md Abdul Khaleque ,Mohamad Faiz Mohd Amin ,Imrul Kayes andMohammed Abdus Salam ,2020,Assessing energy-based co2 emission and workers' health risks at the shipbreaking industries in bangladesh,Environments - MDPI,7,16	Q2	Co-Author (WOS & Scopus)	2020
10.	Ravi R., Ishak I.H., Amin M.F.M., Hamzah Z., Rasat M.S.M., Salam M,2020,AgNPs-Azolla Pinnata Extract As Larvicidal against Aedes Aegypti (Diptera: Culicidae),IOP Conference Series: Earth and Environmental Science,596,012065-1 - 012065-7		Corresponding Author (Scopus)	2020
11.	Ravi R., Rajendran D., Oh W.-D., Mat Rasat M.S., Hamzah Z., Ishak I.,2020,The potential use of Azolla pinnata as an alternative bio-insecticide,Scientific Reports,10,8	Q1	Corresponding Author (Scopus)	2020
12.	Samsudin M.F., Mohd Amin M.F., Syed Omar S.A., Mat Rasat M.S.,2020,Analysis of Water Stress Index (WSI) for District Surrounding Ulu Sat Forest Reserve, Kelantan, Malaysia,IOP Conference Series: Earth and Environmental Science,549,6		Corresponding Author (Scopus)	2020
13.	Shahidah Aftar Ali, N., Muda, K., Faiz Mohd Amin, M., Zuhaili Mohamed Najib, M., Henry Ezechi, E., & Darwish, M. S. J.,2020,Initialization, enhancement and mechanisms of aerobic granulation in wastewater treatment,Separation and Purification Technology,260,25	Q1	Co-Author (Scopus)	2020

14.	Farah Amanina Mohd Zin , An'amt Mohamed Noor, Wan Nurshafeera Wan Mohd Nasri , Nurul Natasya Rosli , Nur Aqilah Buniamin, Mohammad Khairul Azhar Abd Razab, Mohd Sukhairi Mat Rasat, Nor Hakimin Abdullah., Mohamad Faiz Mohd Amin,2020, Synthesis of Sodium Alginate Graphene Oxide Thin Film for Adsorption Application, IOP Conference Series: Earth and Environmental Science,596,012020-1 - 012020-6		Co-Author (Scopus)	2020
15.	Teo Pao Ter , Abdul Hafidz Yusoff, Chang Shen Chang , Khairul Nizam Mohamed , Mohd Sofiyan Sulaiman, Noor Fazliani Shoparwe Mohd Faiz Mohd Amin , Amal Najihah Muhamad Nor , Khairul Anam Zakaria, Siti Nur Hazwani Oslan,2020,Preliminary Study on Mineral Identification in Sediment from Sungai Nal, Ulu Sat Forest, Kelantan, Malaysi,IOP Conference Series: Earth and Environmental Science,596,012049-1 - 012049-5		Co-Author (Scopus)	2020
16.	Farah Amanina Mohd Zin, An'amt Mohamed Noor, Wan Nurshafeera Wan Mohd Nasri, Nurul Natasya Roslan, Nur Aqilah Buniamin, Mohammad Khairul Azhar Abdul Razab, Mohd Sukhairi Mat Rasa, Nor Hakimin Abdullah, Mohamad Faiz Mohd Amin, Lee Seong Wei,2020,Synthesis of Sodium Alginate Graphene Oxide-Silver Film for Antibacterial Activity,IOP Conference Series: Earth and Environmental Science,596,012041-1 - 012041-6		Co-Author (Scopus)	2020
17.	Aziz H.A., Awang N.R., Mohd Amin M.F., Mohamad Junaidi N.F.,2020,Ground Level Ozone Fluctuational Characteristics within Two Industrial Areas in Malaysia,IOP Conference Series: Earth and Environmental Science,549,10		Co-Author (Scopus)	2020
18.	Sulaiman M.S., Mohd Amin M.F., Yusoff A.H., Samsudin M.F., Shukor,2020,Erosion and Sedimentation at Headwater Stream: A Case Study for Pergau Water Intake,IOP Conference Series: Earth and Environmental Science,549,12		Co-Author (Scopus)	2020
19.	Nawawi S.A., Busu I., Fauzi N., Mohd Amin M.F., Nik Yusof N.R.,2020,Relative Risk for Poverty in Kelantan-A Bayesian Approach,IOP Conference Series: Earth and Environmental Science,549,7		Co-Author (Scopus)	2020

20.	Samsudin M.F., Mohd Amin M.F., Syed Omar S.A., Yusoff A.H., Sulaiman,2020,Water Quality Status of Pergau Reservoir Water Catchment and Lake, Jeli, Kelantan,IOP Conference Series: Earth and Environmental Science,549,7	-	Co-Author (Scopus)	2020
21.	Abas M.A., Mohd Fuad A.S., Md Nor A.N., Mohd Amin M.F., Hassin,2020,Paddy Farmers Perceived the Socio-Economic Impacts of Climate Change: A Case Study in Pasir Mas, Kelantan,IOP Conference Series: Earth and Environmental Science,549,8	-	Co-Author (Scopus)	2020
22.	Mohamd Hanan N.A., Abas M.A., Md Nor A.N., Mohd Amin M.F., Ha,2020,A GIS-Based Flood Vulnerability Assessment in Pasir Mas, Kelantan,IOP Conference Series: Earth and Environmental Science,549,11		Co-Author (Scopus)	2020
23.	Chang C.S., Yusoff A.H., Abas M.A., Muhamad Nor A.N., Sulaiman A.,2020,Mineral Identification on Sediments of Pergau Dam Intakes,IOP Conference Series: Earth and Environmental Science,549,9		Co-Author (Scopus)	2020
24.	Muhamad Nor A.N., Bahri A.S., Nor S.M., Yusoff A.H., Abas M.A., Ja,2020,Impact of land use changes on forest catchment area in Pergau Lake, Kelantan,IOP Conference Series: Earth and Environmental Science,549,8		Co-Author (Scopus)	2020
25.	Mat Rasat M.S., Ab Karim S.S., Mohd Amin M.F., Jamaludin M.H., A,2020,Torrefaction's Optimization of Multiple Responses Analysis on Torrefied Biochar from Oil Palm Empty Fruit,IOP Conference Series: Earth and Environmental Science,549,8		Co-Author (Scopus)	2020
26.	Rasat M.S.M., Karim S.A., Amin M.F.M., Hashim R., Jamaludin M.H.,2020,Characterization on morphological and bonding behavior of torrefied biochar from oil palm empty fruit bunch,International Journal of Advanced Science and Technology,29,		Co-Author (Scopus)	2020
27.	Abdullah, N.H., Noor, A.A.M., Mat Rasat, M.S., Mamat, S., Mohamed, M., Mohd Shohaimi, N.A., Ab Halim, A.Z., Mohd Shukri, N., Razab, M.K.A.A. and Mohd Amin, M.F,2020,Preparation and characterization of calcium hydroxyphosphate (Hydroxyapatite) from tilapia fish bones and scales via Calcination Method,Materials Science Forum,1010,596-601	Q4	Co-Author (Scopus)	2020

28.	Jasni M.Z., Zulkifli N.A., Razab M.K.A.A., Rasat M.S.M., Amin M.F.M.,2019,Methyl orange adsorption from aqueous solution by activated carbon: Effect of acidic solution treatment,AIP Conference Proceedings,2068,020044-1 - 020044-6		Co-Author (WOS & Scopus)	2019
29.	Adli H.K., Wong K.N.S.W.S., Ikhsan N.N., Rasat M.S.M., Abdullah N.H.,2019,The potential of zinc chloride- Curcuma longa sp. extracts as photo-absorber in solar cell,AIP Conference Proceedings,2068,020043-1 - 020043-6		Co-Author (WOS & Scopus)	2019
30.	Abdullah N.H., Ghani N.A.A., Razab M.K.A.A., Noor A.M., Halim A.Z.,2019,Methyl orange adsorption from aqueous solution by corn cob based activated carbon,AIP Conference Proceedings,2068,20036		Co-Author (WOS & Scopus)	2019
31.	Rasat M.S.M., Karim S.A., Amin M.F.M., Jamaludin M.H., Abdullah N.,2019,Study on characteristics and energy content's optimization of torrefied oil palm empty fruit bunch biochar,International Journal of Advanced Science and Technology,,		Co-Author (Scopus)	2019
32.	Thani N.S.M., Ghazi R.M., Amin M.F.M., Hamzah Z.,2019,Phytoremediation of heavy metals from wastewater by constructed wetland microcosm planted with alocasia puber,Jurnal Teknologi,8,17-23	Q2	Co-Author (Scopus)	2019
33.	Aziz H.A., Awang N.R., Amin M.F.M.,2019,Trends of transformation characteristics of ground-level ozone in urban Peninsular Malaysia,International Journal of Recent Technology and Engineering,8,	Q4	Co-Author (Scopus)	2019
34.	Abdullah, N. A., Abdullah, P. S., Amin, M. F. M., & Zainol, N. A.,2018,Preparation and characterization of a new biocarbon material derived from Macaranga gigantea (giant 'Mahang') leaf biomass as precursor,Materials Today: Proceedings,5,21888-21896		Co-Author (WOS)	2018
35.	Ravi R., Zulkrnin N.S.H., Rozhan N.N., Yusoff N.R.N., Rasat M.S.M., A.,2018,Chemical composition and larvicidal activities of Azolla pinnata extracts against Aedes (Diptera:Culicidae),PLoS ONE,13,	Q1	Co-Author (WOS & Scopus)	2018
36.	Ravi R., Husna Zulkrnin N.S., Rozhan N.N., Nik Yusoff N.R., Mat Rasa,2018,Evaluation of Two Different Solvents for Azolla pinnata Extracts on Chemical Compositions and Larvicidal activity against Aedes albopictus (Diptera: Culicidae),Journal of	Q2	Co-Author (WOS & Scopus)	2018

	Chemistry,2018,8			
37.	Zain R.A.M.M., Shaari N.F.I., Amin M.F.M., Jani M.,2018,Effects of different dose of zeolite (Clinoptilolite) In improving water quality and growth performance of re,ARPN Journal of Engineering and Applied Sciences,13,9421-9426	Q2	Co-Author (Scopus)	2018
38.	Husna Zulkarnin, N.S., Rozhan, N.N., Zulkfli, N.A., Nik Yusoff, N.R., Rasat, M.S.M., Abdullah, N.H., Ahmad, M.I., Ravi, R., Ishak, I.H. and Mohd Amin, M.F.,2018,Larvicidal effectiveness of azolla pinnata against aedes aegypti (Diptera: Culicidae) with its effects on larva,Journal of Parasitology Research,2018,5	Q3	Co-Author (Scopus)	2018
39.	Zol, N. A., Isa, N. H. M., Awang, N. R., Ahmad, M. I., Rasat, M. S. M., Amin, M. F. M., & Rizman, Z. I.,2017,Atmospheric water harvester: Meteorological effect on water collection,Journal of Fundamental and Applied Sciences,9,844-857.		Corresponding Author (WOS)	2017
40.	Isa, N. H. M., Awang, N. R., Ahmad, M. I., Rasat, M. S. M., Amin, M. F. M., & Rizman, Z. I.,2017,Mesh material feasibility tests for maximum water collection by using white PE plastic sheet, black polyolefin meshes and HDPE green mesh,Journal of Fundamental and Applied Sciences,9,941-954		Corresponding Author (WOS)	2017
41.	Ahmad, M.I., Yusoff, R.Y.M., Rasat, M.S.M., Alauddin, Z.A.Z., Soid, S.N.M., Mohamed, M., Amini, M.H.M., Aziz, M.S.A. and Amin, M.F.M.,2017,Infuence of torrefaction on chemical composition of empty fruit bunch (EFB) biomass using microwave heating,International Journal of Advanced and Applied Sciences,4,281-286		Co-Author (WOS)	2017
42.	Ahmad, M.I., Bakri, N.A., Rizman, Z.I., Rasat, M.S.M., Alauddin, Z.A.Z., Soid, S.N.M., Aziz, M.S.A., Mohamed, M. and Amin, M.F.M,2017,Morphology and bonding analysis of torrefied empty fruit bunch materials,International Journal of Advanced and Applied Sciences,4,302-308.		Co-Author (WOS)	2017
43.	Ahmad, M. I., Z. I. Rizman, M. S. M. Rasat, Z. A. Z. Alauddin, S. N. M. Soid, M. S. A. Aziz, M. Mohamed, M. H. M. Amini, and M. F. M. Amin,2017,The effect of torrefaction on oil palm empty fruit bunch properties using microwave irradiation,Journal of Fundamental		Co-Author (WOS)	2017

	and Applied Sciences,9,924-940			
44.	Ahmad, M.I., Jusoh, W.N.K.W., Rizman, Z.I., Rasat, M.S.M., Alauddin, Z.A.Z., Soid, S.N.M., Aziz, M.S.A., Mohamed, M. and Amin, M.F.M,2017,Effect of torrefaction on oil palm empty fruit bunch pelletization,Journal of Fundamental and Applied Sciences,9,955-968		Co-Author (WOS)	2017
45.	Mohd Amin M.F., Heijman S.G.J., Rietveld L.C.,2016,Clay-starch combination for micropollutants removal from wastewater treatment plant effluent,Water Science and Technology,73,1719-1727	Q3	First Author (WOS & Scopus)	2016
46.	Razab M.K.A.A., Jaafar M.S., Abdullah N.H., Amin M.F.M., Mohamed,2016,Influence of Elemental Compositions in Laser Cleaning for Automotive Coating Systems,Journal of Russian Laser Research,37,97-206	Q3	Co-Author (WOS & Scopus)	2016
47.	Razab M.K.A.A., Jaafar M.S., Suhaimi F.M., Masri M.N., Abdullah N.,2016,Study on performance of CO2 laser in paint removal over selected national car model,Jurnal Teknologi (Sciences and Engineering),78,203-209	Q3	Co-Author (WOS & Scopus)	2016
48.	Razab M.K.A.A., Jaafar M.S., Abdullah N.H., Amin M.F.M., Mohamed,2016,Surface morphology study in laser paint removal mechanisms on selected national car coated substrate,ARPN Journal of Engineering and Applied Sciences,11,6161-6165	Q3	Co-Author (Scopus)	2016
49.	Masri M.N., Samsudin M.F., Sulaiman M.A., Mohamed M., Mohd A,2016,Microscopic study on the corrosion of underground pipeline,Key Engineering Materials,694,172-76	Q4	Co-Author (Scopus)	2016
50.	Momeni E., Nazir R., Armaghani D.J., Mohd Amin M.F., Mohamad E.,2015,Prediction of unconfined compressive strength of rocks: A review paper,Jurnal Teknologi (Sciences and Engineering),77,43-50	Q3	Co-Author (Scopus)	2015
51.	Mohd Amin M.F., Heijman S.G.J., Lopes S.I.C., Rietveld L.C.,2014,Polyelectrolytes ability in reducing atrazine concentration in water: Surface effects,The Scientific World Journal,2014,6	Q2	Corresponding Author (WOS & Scopus)	2014
52.	Mohd Amin M.F., Heijman S.G.J., Rietveld L.C.,2014,The potential use of polymer flocculants for pharmaceuticals removal in wastewater treatment,Environmental	Q1	Corresponding Author (Scopus)	2014

	Technology Reviews,3,61-70			
53.	Amin M.F.M., Heijman S.G.J., Rietveld L.C.,2014,Nanoclay for micropollutant removal in wastewater- effective alternative?,Advanced Materials Research,1024,14-Nov	Q4	Corresponding Author (Scopus)	2014
54.	Ismail H., Abd Wahab A.K., Mohd Amin M.F., Mohd Yunus M.Z., Jaff,2012,A 3-tier tsunami vulnerability assessment technique for the north-west coast of Peninsular Malaysia,Natural Hazards,63,549-573	Q1	Co-Author (WOS & Scopus)	2012
55.	Ibrahim Z., Amin M.F.M., Yahya A., Aris A., Muda K.,2010,Characteristics of developed granules containing selected decolourising bacteria for the degradation of textile waste water,Water Science and Technology,61,1279-1288	Q2	Co-Author (WOS & Scopus)	2010
56.	Ibrahim Z., Amin M.F.M., Yahya A., Aris A., Umor N.A., Muda K., Sof,2009,Characterisation of microbial flocs formed from raw textile wastewater in aerobic biofilm reactor (ABR),Water Science and Technology,60,683-688	Q2	Co-Author (WOS & Scopus)	2009

C5. Others Publications

C.5.1 Article Popular

No	Title	Year	Publisher	ISSN/ ISBN/ e-ISSN
1	Pengaruh Oksigen Terlarut Terhadap Hidupan Akuatik	2017	Majalah sains	2682-8456

C.5.2 Proceedings/Conferences

NO.	CONFERENCE NAME /TITLE AND AUTHOR	DATE/ YEAR	PLACE
1.	30th symposium of Malaysian Society for Microbiology, Title: Potential application of developed granules containing decolourising bacteria for the treatment of the raw textile Wastewater. (Mohd Amin, M.F., Ibrahim, Z., Yahya, A., Aris, A.)	2008	Kuantan,

2.	Persidangan pembangunan pelajar peringkat kebangsaan	22-23 October 2008	UTM Skudai
3.	BioMalaysia 2008 Title: UTM-Sirim exhibitor	7-9 October 2008	KLCC
4.	National conference of Natural Resource (NCNR) Title: Effect of the methyl viologen on colour removals in aerobic granules treated raw textile wastewater. (Mohamad Faiz Mohd Amin, Zaharah Ibrahim, Adibah Yahya, Azmi Aris, Khalida Muda)	2010	Kota Bharu, Kelantan, Malaysia.
5.	1st IWA-Young water professional conference Title: Influence of particles in pharmaceutical removal from wastewater. (Mohd Amin, M.F., Scherrenberg, S.M., Rietveld, L.C.,)	2011	Leuven
6.	7th European Conference on Pesticides and Related Organic Micropollutants in the Environment & 13th Symposium on Chemistry and Fate of Modern Pesticides, Title: Organic polymers for the reduction of atrazine concentration in water. (Mohd Amin, M.F., Scherrenberg, S.M., Rietveld, L.C.)	2012	Porto
7.	14th EuCheMS International Conference on Chemistry and the Environment 2013 Title: Surface to volume ratio effect on atrazine removal by polymer in water: cationic polymer mechanisms. (Mohd Amin, M.F., Heijman, S.G.J., Rietveld, L.C.)	2013	Barcelona
8.	3rd International Conference on the Advancement of Materials and Nanotechnology 2013 Title : Nanoclay For Micropollutant Removal In Wastewater- Effective Alternative ?. (Mohd Amin, M.F., Heijman, S.G.J., Rietveld, L.C.,)	2013	Penang
9.	Micropol & Ecohazard Conference- 9th IWA Specialist Conference On Assessment And Control of Micropollutants and Harzadous Substances in Water Title: Clay-starch combination for atrazine and pharmaceutical removal from wastewater treatment plant effluent (Mohd Amin, M.F., Heijman, S.G.J., Rietveld, L.C.,)	2015	Singapore
10.	9 th International Conference on X-Ray and Related Technique in Research and Industry (ICXRI 2018) i. Title: Methyl orange adsorption from aqueous solution by corn cob based activated carbon (Nor Hakim Abdullah, Nur Atikah Abdul Ghani, Mohammad	2018	

	<p>Khairul Azhar Abdul Razab, An'amt Mohamed Noor, Ahmad Zamani Abdul Halim, Mohd Sukhairi Mat Rasat, Khairul Nizar Syazwan Wan Salihin Wong, Mohamad Faiz Mohd Amin)</p> <p>i. Title: The potential of zinc chloride-Curcuma longa sp. extracts as photo-absorber in solar cell (Hasyiya Karimah Adli, Khairul Nizar Syazwan Wan Salihin Wong, Nurul Natasyha Ikhsan, Mohd Sukhairi Mat Rasat, Nor Hakim Abdullah, Mohamad Faiz Mohd Amin, Syed Muhammad Al-Amsyar)</p> <p>i. Title: Methyl orange adsorption from aqueous solution by activated carbon: Effect of acidic solution treatment (Muhammad Zharif Jasni, Nur Afini Zulkifli, Mohammad Khairul Azhar Abdul Razab, Mohd Sukhairi Mat Rasat, Mohamad Faiz Mohd Amin, Mohamad Asyraf Mohd Amin, Nor Hakim Abdullah)</p>		
11.	<p>International Conference on Advance & Scientific Innovation 2018 (ICASI 2018)</p> <p>i. Title: Removal Of Methylene Blue From Aqueous Solution By Bio-Adsorbent Pouch (M Jasni, N Abdullah, M Rasat, KN Salihin Wong, M Mohd Amin)</p> <p>i. Title: Application of Magnetic Coconut Shell-derived Biocarbon for Methylene Blue Removal (NA Abdullah, PS Abdullah, MFM Amin, N Azah)</p> <p>i.</p>	2018	
12.	<p>International Conference on Poverty and Sustainable Society (ICOPSS 2018)</p> <p>Title :Enhancing Capacity Of Indigenous People Via Neuro-Linguistic Programming (Nlp):A Case Study Of Catfish Farming Program (Muhamad Azahar Abas, Mohamad Faiz Mohd Amin, Lee Seong Wei, Nor Hizami Hassin, Mohd Sukhairi Mat Rasat, Wan Mohd Yusuff Wan Ibrahim, Nor Hakim Abdullah, Khairul Nizam Syazwan Wan Solihin Wong & Kamarul Ariffin Kambali)</p>	2018	
13.	<p>2nd International Conference on Tropical Resources and Sustainable Sciences (CTReSS 2.0)</p> <p>i. Title: Torrefaction's Optimization of Multiple Responses Analysis on Torrefied Biochar from Oil Palm Empty Fruit Bunch</p> <p>ii. Title: Erosion and Sedimentation at Headwater Stream: A Case Study for Pergau Water Intake</p> <p>iii. Title: Characteristics of Pergau Reservoir Water Quality Profile Analysis of Water Stress Index (WSI)</p>	2020	Malaysia

	<p>for District Surrounding Ulu Sat Forest Reserve, Kelantan, Malaysia</p> <p>iv. Title: Water Quality Status of Pergau Reservoir Water Catchment and Lake, Jeli, Kelantan</p> <p>v. Title: A GIS-Based Flood Vulnerability Assessment in Pasir Mas, Kelantan</p> <p>vi. Title: Paddy Farmers Perceived the Socio-Economic Impacts of Climate Change: A Case Study in Pasir Mas, Kelantan</p> <p>vii. Title: Impact of land use changes on forest catchment area in Pergau Lake, Kelantan</p> <p>viii. Title: Relative Risk for Poverty in Kelantan –A Bayesian Approach</p>		
14.	<p>International Conference on Science and Technology (ICoST) 2020.</p> <p>i. Title: Preliminary Study on Mineral Identification in Sediment from Sungai Nal, Ulu Sat Forest, Kelantan, Malaysia (Teo Pao Ter, Abdul Hafidz Yusoff, Chang Shen Chang, Khairul Nizam Mohamed, Mohd Sofiyen Sulaiman, Noor Fazliani Shoparwe Mohd Faiz Mohd Amin, Amal Najihah Muhamad Nor, Khairul Anam Zakaria, Siti Nur Hazwani Oslan)</p> <p>ii. Title: AgNPs - Azolla pinnata Extract as Larvicidal against Aedes aegypti (Diptera: Culicidae) (R.Ravi, I. H. Ishak, M.F. Mohd Amin, Hamzah. Z, M. S. M. Rasat & M.A.Salam)</p> <p>iii. Title: Optimization of torrefied oil palm empty fruit bunch biochar (M. S. M. Rasat1, S. A. Karim1, M. F. M. Amin, M. H. Jamaludin, N. H. Abdullah, A. M. Noor, P. Elham & M. I. Ahmad)</p>	2020	Malaysia
15.	<p>3rd International Conference on Tropical Resources and Sustainable Sciences (CTReSS 3.0)</p> <p>i. Title: Managing and protecting of endangered Rafflesia species in Kelantan, Peninsular Malaysia (M Fauzan, A M Muhammad-Hapiz, R Azizul, S Rosilan, A H Hamidi, I Zahari, E R Aweng, M A Mohamad-Faiz, M A Abas, H Kamarul-Arifin et al)</p> <p>ii. Title: Torrefaction of Empty Fruit Bunch (EFB) fibres adopted in modified microwave (M I Ahmad, M S M Rasat, M F M Amin, P Elham, M A Abas, H Lateh</p>	2021	Malaysia

	and M A M Amin)		
iii.	Title: Potential of oil palm trunk starch as flocculant for contaminant of emerging compound removal (M F Mohd Amin, M S Mat Rasat, M I Ahmad, N S Aftar Ali, K Muda, N S Zaidi, S Ismail, M F Mohamad Shahimin, M A Mohd Amin and M A Salam)		
iv.	Title: Optimisation and growth kinetic analysis of Microalgae, <i>Arthrospira platensis</i> in 2-L Photobioreactors (A A Hussin, S W To, M H Sani, M F M Amin and M F Kamaroddin)		
v.	Title: Evaluation on mechanical properties of plywood from two fast growing species: <i>Neolamarckia cadamba</i> and <i>Paraserianthes falcataria</i> (W M N W A Rahman, N Y Yunus, M F Sa'ad, M F M Amin, M A N Mohamad, A Chotikhan, M I Ahmad and M S M Rasat)		
vi.	Title: Comparison of Chemical Compositions Between Two Fast Growing Species: <i>Acacia mangium</i> and <i>Leucaena leucocephala</i> (M S M Rasat, M F M Amin, M I Ahmad, A M Noor, S A Sobri, A Hermawan, M H M Amini, B J Geng, M A M Amin and A Chotikhan)		

C6. International Symposium

No.	NAME	YEAR
1	Vakantiecursus: Drinkwater & Afvalwater, TU Delft, Netherlands (Water management symposium for companies, waterboards, government agencies and researchers) 2011	2011
2	Vakantiecursus: Drinkwater & Afvalwater, TU Delft, Netherlands (Water management symposium for companies, waterboards, government agencies and researchers) 2012	2012
3	Vakantiecursus: Drinkwater & Afvalwater, TU Delft, Netherlands (Water management symposium for companies, waterboards, government agencies and researchers) 2013	2013
4	Vakantiecursus: Drinkwater & Afvalwater, TU Delft, Netherlands (Water management symposium for companies, waterboards, government agencies and researchers) 2014	2014
5	Vakantiecursus: Drinkwater & Afvalwater, TU Delft, Netherlands (Water management symposium for companies, waterboards, government agencies and researchers) 2015	2015
6	Bioday Delft, TU Delft, Netherlands, 2014	2014

13. Teaching and Supervising

A. Teaching

8 Courses

SUBJECT	SEMETER
Water Treatment technology	February 2020/2021
Water Treatment technology	September 2019/2020
Water Treatment technology	February 2019/2020
Water Treatment technology	September 2018/2019
Water Treatment technology	February 2018/2019
Water Treatment technology	September 2017/2018
Microbiology	February 2020/2021
Microbiology	February 2019/2020
Microbiology	September 2019/2020
Microbiology	February 2018/2019
Microbiology	September 2018/2019
Microbiology	February 2017/2018
Microbiology	September 2017/2018
Microbiology	February 2016/2017
Microbiology	September 2016/2017
Microbiology	February 2015/2016
Environmental Risk Assessment	September 2017/2018
Environmental Risk Assessment	February 2017/2018
Environmental Risk Assessment	September 2016/2017
Environmental Risk Assessment	February 2016/2017
Environmental Risk Assessment	September 2016/2017
Environmental Risk Assessment	February 2015/2016
Biochemistry	September 2014/2015
Biochemistry	September 2015/2016
Biochemistry	September 2016/2017
Water Science	September 2014/2015
Water Science	September 2015/2016
Water Science	September 2016/2017
Sustainable Development	February 2014/2015
Sustainable Development	February 2016/2017
Environmental analysis technique	September 2009/2010
Environmental analysis technique	September 2010/2011
Chemistry in agriculture	September 2009/2010
Chemistry in agriculture	September 2010/2011

B. Supervisions
B1 Undergraduates
B1.1 Final Year Projects

YEAR	NAME	SUPERVISION TEAM	ROLES	STATUS
2021	Neemisha A/P Ganesan	-	Main supervisor	On-going
2020	Amir Adilah Binti Mohamed@Mohamed Jamal	-	Main supervisor	Graduate
2020	Nurul Ainaa' Md Zuki	-	Main supervisor	Graduate
2019	Rose Nadiah Binti Abu Hasan	-	Main supervisor	Graduate
2019	Nur Adlin Binti Aziz	-	Main supervisor	Graduate
2019	Anisah Bt Khalid	-	Main supervisor	Graduate
2019	Che Norhidayah Bt Abd Halim	-	Main supervisor	Graduate
2018	Sangkeeta A/P Peryasamy	-	Main supervisor	Graduate
2018	Chan Mei Zhen	Cik Nur Hanisah Abdul Malek	Main supervisor	Graduate
2018	Maizura Binti Che Mat @ Mohd Laludin	-	Main supervisor	Graduate
2018	Nurul Aqilah Binti Mohd Rasli	-	Main supervisor	Graduate
2018	Nor Ain Fatimah Mohd Azizi	-	Main supervisor	Graduate
2017	Nur Hidayah Binti Mohd Isa	Dr. Norrimi Rosaida Awang	Main supervisor	Graduate
2017	Nur Amanina Bt Zulkifli	Dr. Nik Raihan Nik Yusoff	Main supervisor	Graduate
2017	Nurul Atiqah Binti Zol	Dr. Norrimi Rosaida Awang	Main supervisor	Graduate
2017	Nur Aisyah Binti Anuar	Dr.Roxidaini Mohd Ghazi	Main supervisor	Graduate
2017	Nur Hafeezah Bt Md Adnan	Dr.Roxidaini Mohd Ghazi	Main supervisor	Graduate
2017	Siti Syafiqah Binti Md Katimon	Nor Hizami Hassin	Main supervisor	Graduate
2017	Siti Nur Fatimah Bt Musa	Nor Hizami Hassin	Main supervisor	Graduate
2017	Nurul Nadiah Binti Rozhan	Dr. Nik Raihan Nik Yusoff	Main supervisor	Graduate
2017	Nor Syahirah Buntu Ahamad	-	Main supervisor	Graduate
2017	Afiqah Binti Mohd Abduh	-	Main supervisor	Graduate
2016	Lim Shuang Rong	-	Main supervisor	Graduate
2016	Nur Haniza Bt Hizar	-	Main supervisor	Graduate
2016	Ang Jia Hui	-	Main supervisor	Graduate
2016	Siti Nor Aishah Bt Mohd Salleh	-	Main supervisor	Graduate
2016	Anis Amalina Binti Rahim	-	Main supervisor	Graduate
2016	Wan Ain Nabilah Zakaria	Dr. Rozidaini Mohd Ghazi	Co-Supervisor	Graduate

2016	Nur Syuhada Zulkiflu	Dr. Rozidaini Mohd Ghazi	Co-Supervisor	Graduate
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B1.2 Students in Enterprise Programme (SIEP)

NO.	YEAR	NO.OF STUDENTS
1.	2020	2
2.	2019	2
3.	2018	2
4.	2017	2

B1.3 Practical Course

NO.	YEAR	DURATION	NO.OF STUDENTS	VENUE
1.	2019	6 months	2	1. Global Environment Center And 2. Cih Laboratory Sdn Bhd
2.	2018	6 months	2	1. Malaysian NPK Fertilizer Sdn. Bhd. 2. SWCorp Kedah, Alor Setar Kedah

B2. Postgraduates

No.	LEVEL	NAMA	TEAM SV	ROLE	YEAR ENROLL	STATUS
1.	PhD	Nur Shahidah Aftar Ali	1) Assoc. Prof. Dr. Khalida Muda 2) Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin	CO-SV	2019	On-going at UTM
2.	PhD	Mohd Sukhairi Bin Mat Rasat Title : Optimization of biochar torrefaction from iol palm empty fruit bunches for biomass pellet production	1) Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin 2) Dr. Nor Hakim Bin Abdullah 3) Dr. Mohd Hafiz Bin Jamaludin	MAIN SV	2017	on-going (Viva Dec 2021)
3.	PhD	Siti Aisyah Binti Nawawi Title: A Bayesian Autoregressive Model for Estimating the Socio-Demographic Effects of Household on Poverty	1)Dr. Norashikin binti Mohd Fauzi 2)Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin 3)Prof. Dr. Ibrahim bin Busu	CO-SV	2017	Graduate
4.	PhD	Nor Asfaliza Abdullah Title: The development	1)PM Dr. Palsan Sannasi Bin	CO-SV	2017	on-going (Submit

		of a biocarbon based active filtering water recirculation system model for etak agropreneurs in Kelantan	Abdullah 2)Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin			Oct 2021)
5.	PhD	Hasifah binti Abdul Aziz Title: Modelling Of Diurnal Variations & Critical Transformation Characteristics Of Growth Level Ozone In Malaysia During High Particulate Events	1)Dr. Norrimi Rosaida Bt Awang 2)Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin 3)Prof. Dr. Ibrahim bin Busu	CO-SV	2016	Graduate
6.	MSc	Ameer Sabrin Bin Muhammad Shukri Title : Spirulina Effectiveness Study on Child Malnutrition in Kelantan	1)Dr. Muhamad Azahar Bin Abas 2)Assoc. Prof. Ts. Dr. Mohamad Faiz bin Mohd Amin 3)Ts. Dr. Noor Janatun Naim bin Jemali	CO-SV	2020	On-going
7.	MSc	Aimi Alina Binti Hussin	1) Dr. Mohamad Farizal Kamaruddin 2)Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin	CO-SV	2020	On-going at UTM
8.	MSc	Rathesh Kumaran a/l Ulaganathan Title: Study of Zno concentration on PVA/cellulose crystal/Zno Nanocomposite for potential optical sensor application	1)Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin 2)ChM Ts. Dr. Nor Hakim Bin Abdullah 3)Ts. Dr. Mazlan Bin Mohamed	CO-SV	2020	On-going
9.	MSc	Muhammad Zharif bin Jasni Title: Effect of Oil Palm Trunk Activated Carbon as Bio Adsorbent and Antibacterial Agent in Water Treatment.	1)Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin 2)Dr. Nor Hakim Bin Abdullah	MAIN SV	2017	Graduate
10.	MSc	Nor Shaida Husna Binti Zulkarnin Title: A Study on The Potential of Azolla Pinnata as A Larvicidal Agents Aedes Aegypti and Aedes Albopictus	1)Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin 2)Dr. Nik Raihan Binti Nik Yusoff 3)Dr. Intan Haslina Binti Ishak (USM)	MAIN SV	2017	Graduate
11.	MSc	Najaa Syuhada binti Mohamad Thani	1)Dr. Rozidaini Binti Mohd Ghazi	CO-SV	2016	Graduate

		Title: Phytoremediation On Heavy Metal Contaminated Soil And Water Using Alocasia Puber (Araceae)	2) Dr. Mohamad Faiz Bin Mohd Amin 3)Dr. Ikarastika Rahayu Binti Abdul Wahab 4)Encik Zulhazman Bin Hamzah			
12.	MSc	Aliya Atika Asyikin Binti Abd Hamid Title : Flood Risk and Its Effect on Property Value	Assoc. Prof. Ts. Dr. Mohamad Faiz Bin Mohd Amin	MAIN SV	2013	Graduate

14. Academic recognition and academic leadership

A. Awards

Awards	Categories	Organizer	Year
Anugerah Gemilang Universiti	Publication	UMK	2018
Anugerah Gemilang Universiti	Research and Innovation	UMK	2017
Anugerah Gemilang Universiti	Consultation	UMK	2016
Anugerah Perkhidmatan Cemerlang	Administration	UMK	2015
National Science Fellowship Award (NSF)	Fellowship	MOSTI	2007_2009
MSM-ASM-BIOLOG Award	Member award	Malaysia Society for Microbiology	2008

B. International Competition Awards

No.	Competition/Event/Program	Year	Award	Venue
1	Malaysia Technology Expo	2019	Gold, Silver & Special Award	Malaysia
2	International Invention, Innovation & Technology Exhibition (ITEX)	2019	Gold	Malaysia
3	Malaysia Technology Expo	2018	Gold	Malaysia
4	International Invention, Innovation & Technology Exhibition	2018	Silver	Malaysia
5	International Invention, Innovation & Technology Exhibition	2017	Gold	Malaysia
6	WORLD INVENTION INOVATION CONTEST	2017	Gold And Special Award	Korea
7	PENCIPTA	2017	Gold	Malaysia

15. Reviewer/Editor/Panels

No	Roles	Program/event/description	Year
1.	Journal article reviewer	Too many. Refer attachment A	2015-on going
2.	Edited Book Reviewer	Essential Microbiology and Its Application in Malaysia, 28 Feb 2021, UTM press	2021
3.	Editor	Journal of Tropical Resources and Sustainable Science (JTRSS)	2016 - on-going
4.	Juries	MTE 2020	2020
5.	Examiner	Pembentangan Latihan Industri Pelajar FSB SEM Feb2019/2020	2020
6.	Examiner	Pemeriksa Kursus Fyp I Program Kelestarian FSB Feb 2019/2020	2020
7.	Juries	eKarnival Penyelidikan dan Inovasi (eCRI)2020 UMK, Kluster Food Tech-Agriculture And Environment	2020
8.	Camp Commandant	Kem Prihatin Sumber Air 2020	2020
9.	Referee	Makalah Edisi Khas, Malaysian Applied Biology Journal (MABJ)	
10.	Keynote Speaker	Seminar kebangsaan teknologi makmal(SKETMA)	2019
11.	Internal Examiner	ICOMPEX 2018 at Politeknik Sultan Abdul Halim Muazam Shah	2018&2019
12.	Invited Speaker	Kaedah Penyelidikan untuk pelajar Pascasiswazah	2018&2019
13.	Panel of Juries	Projek Inovasi National Innovation and invention competition through exhibition 2019(iCompEx'19)	2019
14.	Committee member	Conference on Tropical Resources & Sustainable Sciences (CTReSS 2.0)	2019
15.	Exhibitor	10 th China International Modern Agriculture Exposition(CIMAE 2019)	2019
16.	Moderator	International Conference on Poverty and Sustainable Society(ICOPSS) 2018	2018
17.	Panel of Juries	Projek Inovasi National Innovation and invention competition through exhibition 2018 (iCompEx'18)	2018
18.	Guest Speaker	Kulliyah of Science''The Tarik'' Session	2018
19.	Facilitator	Water Quality Analysis Workshop 2018	2018
20.	Speaker Invitation	5th International Conference on Water Resource and Environment (WRE 2019)	2018
21.	Interview Panel	Mybrain15 scholarship 2018	2018
22.	Initiative Leader	Petunjuk Prestasi Utama(KPI) bagi Teras Penyelidikan dan Inovasi	2017
23.	American Chemistry Society-Young Scientist	Research to policy working group	2017

	participant		
24.	Jury	Pertandingan Produk dan Inovasi STEM Sempena Karnival STEM Negeri Kelantan	2017
25.	Facilitator	“Rancangan pengurusan hutan Negeri Kelantan 2015-2025”	2015-2025
26.	Speaker	Faculty Interaction Day 2015	2015
27.	Facilitator	Sosial Enterprise for Economic Development (SEED)	2010
28.	Speaker	UNESCO-World Environmental Day 2010	2010

16. Professional Memberships

No.	Professional Memberships	Year
1	American Chemical Society (ACS)	2020-ongoing
2	Malaysian Board of Technologist	2018 –ongoing
3	Malaysian Nature Society (MNS)	2015-ongoing
4	International Water Association (IWA)	2010-ongoing

17. Certifications

Certificate	Institutions	Year/dates
Occupational Safety and Health Awareness (OSHA)	UTM	2006
Quality Management System Requirement (ISO 9001-2000)	UTM	2006
Diploma of Safety and Health for plant operator	Safety board, Netherlands	2011

18. Consultations

A. Monetary Rewards

There are 3 monetary reward received from consultations with total **RM525,620.00**.

No.	Company/Association/Institute/Organization	Year	Reward	Collabrators
1.	Projek Kajian Potensi Emas Di Daerah Dabong, Kuala Krai, Kelantan	2020	RM18,4000.00	Koperasi Usahawan Universiti Malaysia Kelantan Kampus Jeli Berhad Dankksb Consult Sdn Bhd
2.	Konsultan kajian analisis kualiti air bagi sistem saliran bio-ekologi (BIOECODS)	2020	RM11,620.00	IPD PASIR MAS –FSB-KOPERASI UMK BERHAD

3.	Jabatan Perhutanan Negeri Pahang	2018	RM150,000.00	TLC Management
4.	Rancangan Pengurusan Hutan, Jabatan Perhutanan Negeri Kelantan	2015-2025	RM 180,000.00	(Koperasi UMK)

B. Non-monetary Rewards

No.	Company/Association/Institute/Organization	Year	Reward
1	Sihat Afiat Sdn Bhd-	2016-2019	(rewards are provided to faculty in term of FYP, Research, Industrial training and factory visit)
2	R.E.A.C.H	2016	Non-monetary
3	Sihat Afiat Sdn Bhd-	2015	Non-monetary
4	Traju Wellington Sdn Bhd-	2019	Non-monetary

19. Contribution to University

No.	Position	Organisaztion	Duration
1.	Dean	FSB	1 Nov 2018 – ongoing
2.	Jawatankuasa Pascasiswazah	FSB	2017
3.	Ahli jawatankuasa pelaksanaan kampus hijau UMK	Naib Canselor	30Mei2021 - 29Mei 2023
4.	Ahli jawatankuasakesepakatan peringkat fakul tibagikanaikan pangkat DS54 dan DS52	TNCAA	15April2021- 15mei2023
5.	Penggubal silibus program baharu ijazah sarjana muda gunaan (analitik alam sekitar) FSB	TNCAA	9Mac3021
6.	Ahli projek kertas cadangan program keusahawanan university leaders entrepreneurial educators bootcamp (UNILeeB)	Institut keusahawanan UMK	30 Mac 2021 (1 tahun)
7.	Ahli projek bagi penghasilan pensanitasi tangan bagi agihan untuk keperluan pelajar, staf dan kegunaan masyarakat awam	Ahli	2020
8.	AJK program e-kolokium kursus projek penyelidikan II sem sept 2020/2022	FSB	11-13 Jan 2021
9.	AJK adhoc pembangunan video showcase FSB	FSB	4-24 Jan 2021
10.	AJK kerja laporan outcome/projek pembangunan UMK	pusat pembangunan dan pengurusan infrastruktur	16 Nov 2020-15 Nov 2021

		UMK	
11.	AJK Induk Penarafan Universiti	NC	1 Nov 2020-31 Dis 2022
12.	AJK program international joint webinar on tropical forest conservation in Malaysia	FSB	30-Nov-20
13.	AJK program career portfolio workshop	FSB	15-19 Nov 2020
14.	AJK program groom to bloom	FSB	19-Nov-20
15.	AJK Khidmat Komuniti Program Stem-MSN2020 MRSM Jeli	FSB	12-Sep-20
16.	Ahli Tetap Mesyuarat Pengurusan Akademik UMK	TNCAA	13JULAI 2020
17.	AJK Biasiswa Pendidikan UMK	NC UMK	30-Apr-20
18.	Ahli AJK Biasiswa Pendidikan UMK Peringkat Fakulti	FSB	19 JULAI 2020
19.	Ajk Pengurusan Umk Kampus Jeli	PUSAT PENTADBIRAN KAMPUS JELI UMK	1 MAC 2020
20.	Ajk Pemandu Kebolehpasaran Graduan(GE)UMK	NC UMK	9 MAC 2020
21.	AJK Program Penanaman Pokok di FSB	FSB	2019
22.	Timbalan Dekan FSB	Naib Canselor	2019- ongoing
23.	Penasihat Penerbitan Peringkat FSB	FSB	2018
24.	AJK Penilai Permohonan Geran Penyelidikan Pandanan Universiti (SGPPU)	TNCPI	2018
25.	Ahli jawatankuasa Kluster Profesional	Pusat Pembangunan dan Pengurusan Bakat	2017- ongoing
26.	AJK Pascasiswazah	FSB	2017
27.	Deputy Dean (research and innovation)	FSB	July 2017- Jan 2020
28.	Leader for Environmental subunit for Highland Reseach Unit-FSB,	FSB	May 2016- On-going
29.	Leader for Environmental subunit for Coastal Zone Research Unit-FSB	FSB	May 2016- On-going
30.	Faculty management committee members	FSB	Mei 2015-On-going
31.	Faculty environment safety and health committee members	FSB	Mei 2015-On-going
32.	Jawatankuasa Adhoc yuran Pascasiswazah	PPS	2018
33.	AJK bagi Kluster Profesional	Pendaftar	2017
34.	AJK Pengurusan Bencana Alam Peringkat FSB	FSB	2017
35.	AJK Kerja Pusat Pengajian Sains dan Teknologi(PPST) UMK	PPS	2017
36.	Jawatankuasa STEM Persatuan Pendidik Negeri Kelantan 2017	PPNK	2017
37.	Penolong Pembantu Kanan Ketua Jawatankuasa Kerja Pusat Pengajian	UMK	2017

	Sains dan Teknologi		
38.	Jawatankuasa bagi Program Empower ECER	UMK	2017
39.	Jawatankuasa penubuhan Institut Pengajian Siswazah (IPS)	UMK	2017
40.	Pegawai Pengiring Istiadat Pemasyuran Canselor dan Konvoquesyen ke-7,	UMK	2017
41.	Sustainable science program internationalization and student mobility coordinator	FSB	July 2015- July 2017
42.	Sustainable science program research and publication coordinator	FSB	July 2015- July 2017
43.	Head of Sustainable UMK Special Interest Group	FSB	Jun 2016- July 2017
44.	Faculty teaching and research laboratory manager	FSB	Mei 2015- July 2017
45.	Deputy head of Sustainable Science Program-	FSB	April 2016- July 2016
46.	Ketua Inisiatif, KPI Penyelidikan dan Inovasi	TNCPI	
47.	Pengerusi Jawatankuasa Penilaian Kepatuhan Kepada Etika Biokeselamatan dan Biosekuriti (JPKEP-PTJ)	TNCPI	
48.	Pengerusi Jawatankuasa Penilaian Kepatuhan Kepada Etika Penjagaan dan Penggunaan Haiwan (JPKEP-PTJ)	TNCPI	2018
49.	Ahli Jawatankuasa Pelaksana Minggu Penyelidikan dan Inovasi, UMK 2017	TNCPI	2017

20. Community Services

No.	Position	Program/Event/Associations	Duration
1.	Committee member	Program Khidmat Masyarakat “ Sentuhan Mahasiswa Santuni Alam dan Komuniti”	2019
2.	Committee member	Program Khidmat Sosial Anjuran FSB bersama Orang Asli Suku Kaum Bateq	2019
3.	Committee member	Scientific Expiditon Pergau 2019	2019
4.	Vice Chairman	Persatuan Penduduk Taman Riyadulilmi	2019
5.	2 nd Lieutenant	Rejimen Askar Wataniah (Malaysia Army Reserve)	2007- On-going
6.	Committee member	Kejohanan Kelate Forest Orientering Cup 2018 organized by Jabatan Perhutanan Negeri Kelantan	2018
7.	Committee member	expedition Ulu Sat Forrest Reserved organized by JPNK	2018

8.	Project Leader	UMK INSPEK-JAKOA Catfish farming for orang Asli Sg. Rual	2017-2018
9.	Protem Committee	Persatuan Pendidik STEM Negeri Kelantan	2017
10.	Program manager for Kota Bharu District	1 program 1 Daerah (1P1D) 2010, UMK	2010
11.	Member	ASEAN Learning Network Council	2010
12.	Facilitator	SEED - Social Enterprise for Economic Development	21 July- 3 August 2010
13.	Organizer - Lecturer	Unesco Environmental Campaign,	July 2010

21. Referee

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