



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

CURRICULUM VITAE



PERSONAL DETAILS

Name : **TS. DR. NUR SYAMIMI BINTI ZAIDI**
Gender : Female
Date of Birth : 11 June 1988
Nationality : Malaysian
Marital Status : Married
Address : No. 12, Jalan Pulasan 5, Taman Pulai Hijauan, 81110 Kangkar Pulai, Johor.
Tel : 017-7685310 (Mobile) / 07-5538673 (Office)
E-mail : nursyamimi@utm.my
Website : <https://people.utm.my/nursyamimi/>
UTM Staff ID : 11897
Researcher ID : AFR-8937-2022
SCOPUS ID : 55846272700 H-index : 10

NICHE AREAS OF EXPERTISES

- >> Environmental Engineering
- >> Water Pollution Control Technologies
- >> Water and Wastewater Treatment
- >> Environmental Management

ACADEMIC QUALIFICATIONS

- 2016 Ph.D. Civil (Environmental) Engineering, UTM Johor Bahru
- 2010 B. (Hons) Civil Engineering, UTM Johor Bahru
- 2006 Matriculation (Physical Science), Pahang Matriculation College

AWARD AND HONORS RECEIVED

- 2023 **Anugerah Penerbitan - Anugerah Penulis Dalam Jurnal Berindeks** by UTM.
- 2023 **Anugerah Penyelidik Harapan (IPASA)** by Research Institute (RISE).
- 2023 **Anugerah Inovasi DS51/DS52** by Research Institute (RISE).
- 2023 **Anugerah Penulis Dalam Jurnal Berindeks DS51/DS52** by Research Institute (RISE).

- 2023 **Anugerah Sitasi Tertinggi Kategori DS51/DS52** by Research Institute (RISE).
- 2022 **Award of Excellence for Active Blended Learning Course** (Teaching Category) for MKAK 1133, SEAA 2922 & SEAA 3913 by UTM.
- 2022 **IBA-SUMBIO Bio Life Nutraceuticals Special Young Researcher Award** in 1st International Conference on Challenges in Sustainable Utilization and Management of Bioresources on 8th – 10th August 2022.
- 2022 **Anugerah Kecemerlangan Penyelidikan** by IPASA.
- 2022 **Anugerah Penerbitan - Anugerah Penulis Dalam Jurnal Berindeks** by UTM.
- 2021 **Anugerah Citra Karisma 2021** by UTM.
- 2020 **Silver Award in NALI 2020 Exhibition & Competition** on 7th – 10th December 2020.
- 2020 **Award of Excellence for Active Blended Learning Course** (Teaching Category) for SKAA 3913 & SKAB 2922 by UTM.
- 2020 **Anugerah Kecemerlangan Perkhidmatan** by Faculty of Civil Engineering.
- 2019 **Gold Medal in 5th Teaching and Learning Innovation Festival (TLIF) 2019** on 4th October 2019.
- 2019 **Silver Award in NALI 2019 Exhibition & Competition** on 18th September 2019.
- 2019 **Award of Excellence for Intellectual Property** by Faculty of Civil Engineering.
- 2019 **Award of Staff Innovation (QR Code)** by Faculty of Civil Engineering.
- 2019 **Award of Excellence for Active Blended Learning Course** (Teaching Category) for SKAA 3913 by UTM
- 2018 **Best Paper Award** in 2nd International Symposium on Civil and Environmental Engineering.
- 2018 **Award of Excellence for Active Blended Learning Course** (Teaching Category) for SKAA 3913, SKAB 2922 & SKAU 4912 by UTM.
- 2017 **Webometric Award (Academic Category)** by Faculty of Civil Engineering.

PROFESSIONAL MEMBERSHIP AND ASSOCIATION

1. Member, Young Scientist Network (YSN), Academy Science of Malaysia (ASM), 2023.
 - Committee, Science Outreach Working Group
 - Committee, Science, Policy and Governance Working Group
 - Committee, Science Education Working Group
2. Consultant of Environmental Impact Assessment (EIA), Department of Environment (DOE), 2022 (CEP-C0504).
3. Ordinary Member, Malaysian Water Partnership (MyWP), 2021.
4. Ordinary Member, Malaysian Water Association (MWA), 2021 (OM2383).
5. Professional Technologist, Malaysia Board of Technologist (MBOT), 2020 (PT20120031).
6. Associate Editor, Environmental and Toxicology Management Journal, 2020.
7. Graduate Member, Institution of Engineers Malaysia (IEM), 2019 (G35693).
8. Editorial Board Member, Malaysian Journal of Civil Engineering (MJCE), 2018.

9. Graduate Technologist, Malaysia Board of Technologists (MBOT), 2018 (GT18120154).
10. Graduate Engineer, Board of Engineer Malaysia (BEM), 2011 (68099A).
11. Editorial Board Member, Civil Engineering Proceeding, 2017.

ADMINISTRATIVE EXPERIENCE

1. Deputy Director, Centre for Environmental Sustainability and Water Security (IPASA), 1st September 2022 – To date.
2. Environmental Laboratory Coordinator, Faculty of Civil Engineering, 1st February 2019 – 30th April 2021.
3. Webmaster of Environmental Engineering, Faculty of Civil Engineering, 1st July 2016 – 30th June 2018.

WORKING EXPERIENCE

NO.	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1.	Senior Lecturer	23-8-2016	Present	Department of Water and Environmental Engineering / School of Civil Engineering / UTM
2.	Tutor	15-11-2010	22-8-2016	Department of Water and Environmental Engineering / School of Civil Engineering / UTM

CONSULTANCY EXPERIENCE

NO.	NAME OF CONSULTANCY	ROLE	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Advisory and Consultancy in MSM Sugar Refinery (Johor) Sdn Bhd For Environmental Committee Members (ECM)	Leader	147,011	17-10-2022	16-4-2023	2145
2.	Pelan Tindakan Perkhidmatan Pembetulan	Member	1,455,000	15-9-2022	14-9-2023	
3.	Pelan Pengurusan Kawasan Tadahan Air (ICMP) Empangan Machap, Kluang, Johor	Member				
4.	Civil & Structural & Waste Treatment Consultancy Services for KPAM Berhad	Member		1-3-2022		
5.	Rancangan Kawasan Khas Pembangunan Taman Negara, Endau Rompin, Johor	Leader	30,534.90	1-3-2022	1-9-2022	2042
6.	Social Impact Assessment (SIA) Study for Sewerage Project Implementation at Perkampungan Kukup Laut and Ayer Masin, Tanjong Piai, Pontian, Johor	Member	400,000	12-2021	05-2022	1983

7.	Pelan Induk Landskap Majlis Perbandaran Batu Pahat Johor Darul Takzim 2023-2033	Leader	20,000	1-11-2021	30-6-2023	2003
8.	The Feasibility study for Enhancement of Sungai Skudai River Management and Monitoring Tool (RMMT)	Member	USD 15,000	1-10-2021	31-12-2021	1938
9.	Projek Penerbitan Buku "Pengurusan Air dan Pembentungan di Malaysia: Sejarah dan Perspektif"	Member	500,000	1-10-2020	31-8-2021	1749
10.	Total Maximum Daily Load (TMDL) for Skudai River, Badan Kawal Selia Air Johor (BAKAJ)	Member	480,000	1-8-2020	31-3-2021	1709
11.	Kajian Rancangan Kawasan Khas Sungai Skudai, Majlis Bandaraya Johor Bahru (MBJB)	Project Leader	32,000	1-7-2020	31-12-2020	1723
12.	Verification and performance study of pilot trial sewage treatment plant, Renolux Engineering Sdn. Bhd.	Member	20,988	15-11-2019	17-7-2020	1627
13.	Preliminary and Feasibility Study of Decentralised Water Treatment Design and Technology for Kuala Lumpur Area, National Hydraulics Research Institute Malaysia (NAHRIM)	Member	250,000	1-10-2019	31-5-2020	1605
14.	Climate Change Adaptation Framework on Water Sectors, National Hydraulics Research Institute Malaysia (NAHRIM)	Member	150,000	1-10-2019	31-5-2020	1606
15.	Kajian Rancangan Kawasan Khas Sungai Skudai, Majlis Perbandaran Iskandar Puteri (MBIP)	Member	40,000	26-12-2018	25-8-2019	1534
16.	Water Management Blueprint for PBT Pengerang 2018 - 2027	Member	382,173	1-10-2017	31-07-2018	1288

FACULTY / SCHOOL APPOINTMENT COMMITTEE

NO.	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Program Final Year Experience (FYE)	Member	1-11-2022	30-11-2022
2.	Jawatankuasa Akreditasi Makmal Alam Sekitar, FKA	Member	1-1-2022	31-12-2022
3.	Coordination Course Environmental Management (SEAA 3913)	Course Coordinator	1-10-2022	31-12-2023
4.	Jawatankuasa Proses Perolehan JTNCPI - Research Institute for Sustainable Environment (RISE)	Member	31-10-2022	30-10-2024
5.	Taskforce 7 th Proceeding of Civil Engineering	Member	1-1-2022	31-12-2022

6.	Publication Committee For Regional Conference in Civil Engineering and Sustainable Development Goals in Higher Education Institutions (RCCE SDGs) 2021	Member	1-9-2021	28-2-2022
7.	The 2 nd International Conference on Environmental Sustainability and Resource Security (IC-ENSURES)	Secretary	1-6-2021	31-5-2022
8.	Operational Safety Health and Environment (OSHE) Committee, SKA	Member	16-3-2021	15-3-2022
9.	Taskforce Video Preparation of Safety Briefing, SKA	Facilitator	15-3-2021	31-12-2021
10.	Taskforce 6 th Proceeding of Civil Engineering	Member	1-1-2021	31-12-2021
11.	Jawatankuasa Tenaga Pengajar Safety Pass	Facilitator	24-8-2020	23-8-2023
12.	Kursus Kompetensi Staf Teknikal	Facilitator/ Evaluator	11-8-2020	12-8-2020
13.	Jawatankuasa Sebutharga B	Member	1-2-2020	31-1-2022
14.	Building Information Modelling (BIM), SKA	Member	1-2-2020	31-12-2021
15.	Publication Committee International Conference on Water Resources 2021 (ICWR 2021)	Member	1-1-2020	31-12-2021
16.	Taskforce Penerbitan Teaching Module for Civil Engineering Research Students	Editor	1-1-2020	31-12-2020
17.	Taskforce 5 th Proceeding of Civil Engineering	Coordinator/ Editor	1-1-2020	31-12-2020
18.	How To Get Yourself Employed (HTGYE) Program	Speaker	29-11-2019	29-11-2019
19.	Haze Monitoring Taskforce	Member	17-9-2019	31-10-2019
20.	Operational Safety Health and Environment (OSHE) Committee, SKA	Member	15-8-2019	31-12-2020
21.	Handbook of Research Methodology for Civil Engineering Taskforce, SKA	Coordinator/ Editor	10-7-2019	31-12-2019
22.	Professional Qualification Development Taskforce	Member	5-5-2019	4-5-2020
23.	Future Ready Engineering Education (FREE), SKA	Member	30-4-2019	To date
24.	School Quotation Committee, SKA	Member	1-2-2019	30-9-2019
25.	Faculty Transfer Assets Committee, SKA	Member	1-2-2019	30-9-2019
26.	Technical Evaluation Committee, SKA	Member	1-2-2019	30-9-2019
27.	Asset Recipient Committee, SKA	Member	1-2-2019	30-9-2019
28.	MYRA Section E – Innovation, SKA	Member	1-1-2019	31-12-2019
29.	Taskforce 4 th Proceeding of Civil Engineering	Editor/ Member	1-1-2019	31-12-2019
30.	International Conference on Water Resources 2018 (ICWR 2018)	Reviewer	27-11-2018	28-11-2018
31.	How To Get Yourself Employed (HTGYE) Program	Mock Interviewer	17 & 24-11- 2018	17 & 24-11- 2018
32.	Taskforce 3 rd Proceeding of Civil Engineering	Editor/ Member	23-9-2018	31-12-2018
33.	The 12 th International Civil Engineering Post Graduate Conference (SEPKA) - The 3 rd International Symposium on Expertise of Engineering Design (3rd ISEED)	Technical Reviewer	27-8-2018	28-8-2018

34.	Preparation Taskforce Module Certified Professional Training For Water and Wastewater Engineering	Member	26-6-2018	31-7-2018
35.	EAC Report (Academic Curriculum) Committee, SKA	Member	3-6-2018	31-12-2018
36.	MYRA Section B - Quantity and Quality of Research	Member	1-2-2018	31-12-2018
37.	Coordination Course Environmental Management (SKAA / SKAB 3913)	Course Coordinator	1-1-2018	31-12-2020
38.	Environmental Laboratory Accreditation Committee	Member	1-1-2018	31-12-2019
39.	How To Get Yourself Employed (HTGYE) Program	Mock Interviewer	22-4-2017	22-4-2017
40.	Emergency Response Team (ERT) Committee, SKA	Member	13-4-2017	13-4-2019
41.	Taskforce 2 nd Proceeding of Civil Engineering	Editor	1-1-2017	31-12-2017
42.	Proceeding of Civil Engineering Taskforce, SKA	Editor	1-8-2016	31-12-2016
43.	MYRA Section E – Innovation, SKA	Member	2-5-2016	31-12-2016

UNIVERSITY APPOINTMENT COMMITTEE

NO.	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Editor Environmental and Toxicology Management	Member of Editorial Board	1-12-2020	1-12-2025
2.	Ahli Jawatankuasa Proses Perolehan JTNCPI - Research Institute for Sustainable Environment (RISE)	Member	31-10-2022	30-10-2024
3.	Summer School SKA	Coordinator SKA	14-10-2020	30-4-2021
4.	Massive Open Online Courses (MOOC)	Facilitator	7-1-2020	30-4-2021
5.	Undergraduate Research Conference (URC)	Evaluator	12-5-2019	12-5-2019
6.	How To Get Yourself Employed (HTGYE) SKA	Coordinator SKA	12-11-2018 (2018/2019)	29-11-2019 (2019/2020)
7.	Malaysian Journal of Civil Engineering (MJCE)	Member of Editorial Board	1-5-2018	30-4-2020
8.	MOOC Development Taskforce for Course SKAA 3913	Developer	1-3-2018	31-12-2018
9.	Program Summer School 2017: Managing Water Environment in Tropical Countries	Facilitator	22-8-2017	28-8-2017
10.	Malaysian Tropical Educational Experience Summer School 2016: Managing Water Environment in Tropical Countries	Secretariat	18-1-2016	5-2-2016

NATIONAL APPOINTMENT COMMITTEE

NO.	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Editorial Board for Journal of Advancement in Environmental Solution and Resource Recovery	Editor	25-09-2021	Till now.
2.	Publication Committee on the 2 nd International Conference on Recent Advancements in Science and Technology	Technical Reviewer	28-10-2019	30-10-2019

3.	Publication Committee on the 4 th International Conference on Construction and Building Engineering & 12 th Regional Conference in Civil Engineering	Technical Reviewer	20-8-2019	22-8-2019
4.	Publication Committee on the 4 th International Conference on Civil and Environmental Engineering for Sustainability (IConCEES 2017)	Technical Reviewer	4-12-2017	5-12-2017
5.	Publication Committee on the Young Researchers for Water and Environmental Engineering Symposium 2017 (YRWEES 2017)	Technical Reviewer	21-10-2017	21-10-2017
6.	Publication Committee on the 3 rd International Conference on Constructions and Building Engineering 2017 (ICON BUILD 2017)	Technical Reviewer	14-8-2017	17-8-2017
7.	Scientific Committee on the National Research and Innovation Conference (NRIcon2016)	Scientific Committee Member	14-9-2016	15-9-2016

INTERNATIONAL APPOINTMENT COMMITTEE

NO.	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Publication Committee for International Conference on Civil Engineering 2022 (AICCE 2022)	Technical & Scientific Reviewer	1-7-2021	9-3-2022
2.	Publication Committee of Regional Conference of Civil Engineering: Sustainable Development Goal (RCCE-SDG)	Technical & Scientific Reviewer	22-3-2021	9-6-2021
3.	Committee of International Conference on Water Conservancy, Energy and Environmental Engineering (WC3E 2021)	Committee Member	1-2-2021	27-6-2021
4.	Mehran University Research Journal of Engineering & Technology	Reviewer	30-12-2020	31-1-2021
5.	Environmental and Toxicology Management (Journal)	Associate Editor	1-12-2020	1-12-2025
6.	American Chemical Society (ACS) Malaysia Chapter Taskforce of the "A Day with Water" event	Facilitator	22-9-2018	22-9-2018
7.	Civil Engineering Meta-Profile (Tuning Asia-South East Project)	Reviewer	24-1-2018	24-1-2018

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO.	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1.	Bengkel/Dialog bagi Pelaksanaan Kajian Kawasan Tadahan (SPAN)	The Everly Putrajaya	10-1-2023	10-1-2023
2.	Taklimat Panduan Validasi Prototype SPAN	Hotel Bangi Resort	25-10-2022	25-10-2022

3.	IEM OBCA Workshop Route to Become MIEM and PEng.	IEM (Southern Branch) Training Centre	22-10-2022	22-10-2022
4.	Seminar Kawalan Pencemaran Udara & Pencemaran Air	Holiday Villa Johor Bahru	18-10-2022	19-10-2022
5.	Engineering Design of SABO Dam	Online via ZOOM	7-4-2022	7-4-2022
6.	Training Course on Water Quality	Grand Pulse Hotel, Putrajaya	15-11-2021	17-11-2021
7.	5 th Malaysia Water Resources Management Forum	Online via ZOOM	11-10-2021	13-10-2021
8.	National Conference on Stormwater Management	Online via ZOOM	4-10-2021	6-10-2021
9.	Pengurusan Air Tasik Sebagai Sumber Bekalan Air	Online	29-9-2021	29-9-2021
10.	Bengkel Libat Urus Bersama Pemegang Taruh Berkaitan Cadangan Pindaan Peraturan-Peraturan Kualiti Alam Sekeliling (Kumbahan) 2019	Google Meet	21-9-2021	22-9-2021
11.	MWA MasterClass Lecture Series 5/2021 Sewerage Management in Malaysia: Achievement to Date, Current Challenges, Climate Change Readiness	Online	12-8-2021	12-8-2021
12.	Code of Ethics	Online via WEBEX	11-8-2021	11-8-2021
13.	Financing Solutions for Water Infrastructure Projects in Malaysia	Online via ZOOM	22-7-2021	22-7-2021
14.	Fundamental of River Water Quality Modeling	Online	28-6-2021	28-6-2021
15.	Webinar on Sediment for Sustainable Reservoir Management	Online via ZOOM	23-6-2021	23-6-2021
16.	Webinar on Basic Understanding of Environmental Aspect, Impact and Risk Assessment	Online	21-6-2021	21-6-2021
17.	Publishing Workshop: Why Publish a Book?	Online	16-6-2021	16-6-2021
18.	Webinar on Climate Change Adaptation Framework on Water Sectors	Online via ZOOM	10-6-2021	10-6-2021
19.	Malaysia Toray Science Foundation (MTSF) 2021 Grant Briefing	Online	21-5-2021	21-5-2021
20.	MWA Special MasterClass Lecture Series 3/2021: Transboundary Water Resources Management: The Murray Darling Basin Experience	Online	10-5-2021	10-5-2021
21.	International Grant Workshop: Application Tips & Tricks Kurita Water and Environment Foundation (KWEF) Overseas Research	Online	26-4-2021	26-4-2021
22.	Bibliometric Analysis Using Scopus and VOSviewer	Online via WEBEX	5-3-2021	7-3-2021
23.	Distinguished Lecture Series "Towards the Sustainable, Resilient and Multi-Hazard Resistant Design of Civil Infrastructure"	Online	21-7-2020	21-7-2020

24.	Distinguished Lecture Series "Simulation of Hydrology and Water Quality for Integrated Watershed Management"	Online	16-7-2020	16-7-2020
25.	Distinguished Lecture Series "Ocean Technology - Trends and Challenges and Research Activities at University of Stavanger"	Online	7-7-2020	7-7-2020
26.	Distinguished Lecture Series "Plastic Waste Management and The Impact of COVID-19 Pandemic"	Online	1-7-2020	1-7-2020
27.	Captain of Industry "Technology Innovation in the New Normal"	Online	23-6-2020	23-6-2020
28.	Distinguished Lecture Series "Global Water Security - Integrated Water Resource Management"	Online	23-6-2020	23-6-2020
29.	Civil Industry Talk: Facilitated Networking U-I Engagement	Online	16-6-2020	16-6-2020
30.	Taklimat Keperluan Latihan Ikhtisas dan Laluan Kelayakan Professional	Online	16-6-2020	16-6-2020
31.	Roles & Responsibilities of Assistant Chair in Viva Voce Examination (AV101 - Part A)	Online	18-5-2020	18-5-2020
32.	Journey to Industrial Grant	Online	21-4-2020	21-4-2020
33.	Writing Winning Proposal Workshop	Online	9-4-2020	9-4-2020
34.	International Conference on Environmental Sustainability and Resource Security (IC-ENSURES) – organized by Centre for Environmental Sustainability & Water Security (IPASA)	Royal Widad Hotel, UTM Kuala Lumpur	5-11-2019	6-11-2019
35.	Seminar: Emerging Pollutants and Latest Techniques in Water Treatment – organized by NAHRIM, USM and Malaysian Society of Applied Biology (MSAB)	NAHRIM	12-9-2019	12-9-2019
36.	3rd International Conference on Architecture and Civil Engineering (ICACE)	Seri Pacific Hotel Kuala Lumpur	26-6-2019	27-6-2019
37.	MOOC Development Workshop 1/2019	UTMLead	16-1-2019	17-1-2019
38.	The 2nd International Symposium on Civil and Environmental Engineering (ISCEE) – organized by UTHM	The Federal Kuala Lumpur	3-12-2018	4-12-2018
39.	The 11th Regional Conference on Environmental Engineering (RCENVE) – organized by Institute Technology of Cambodia	Sunway Hotel, Cambodia	27-9-2018	28-9-2018
40.	Code of Ethics	UTMLead	29-8-2018	29-8-2018
41.	2nd International Conference on Architecture and Civil Engineering (ICACE)	PARKROYAL Hotel, Penang	9-5-2018	10-5-2018
42.	Sijil Pengajaran Pengajian Tinggi (SPPT)	UTMLead	6-8-2017	23-8-2017
43.	Supervisory Evaluation Pack (AS103)	UTMLead	27-5-2017	27-5-2017
44.	Supervisory Development Program (AS102)	UTMLead	27-4-2017	27-4-2017
45.	Supervisory Orientation Course (AS101)	UTMLead	27-3-2017	27-3-2017
46.	Course on Learning Material Preparation for Open Courseware (OCW)	Center of Teaching and Learning	22-3-2017	22-3-2017

47.	Engineering Management – organized by OMAHAMS CORP	Fac. Mechanical Eng. UTM	22-8-2016	23-8-2016
48.	Malaysian Technical Universities Conference on Engineering and Technology (MUCET) – organized by UTHM	KSL Hotel, Johor Bahru	11-10-2015	13-10-2015
49.	2nd International Conference on Civil, Offshore and Environmental Engineering (ICCOEE) – organized by Universiti Teknologi Petronas (UTP)	Kuala Lumpur City Center	3-6-2014	5-6-2014
50.	Induction Course for EIA Consultants No. 1/2013 – organized by Department of Environment (DOE)	Puri Pujangga, UKM	6-3-2013	7-3-2013
51.	How To Start Effective Cooperative Learning (Cooperative Learning – Part 1)	UTM Human Capital Development	2-3-2011	2-3-2011
52.	Overview Course of Outcome Based Education (OBE)	UTMLead	8-2-2011	9-2-2011
53.	Basic E-Learning Course	UTMLead	26-1-2011	26-1-2011
54.	Active Learning Course	UTMLead	12-1-2011	12-1-2011
55.	UTM Induction Course	UTM	14-12-2010	31-12-2010

RESEARCH ACTIVITIES

NO.	PROJECT TITLE	ROLE	CATEGORY OF GRANT (UTM/OTHERS)	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Mechanism of simultaneous nitrification-denitrification using <i>Cocos nucifera</i> fiber as 'green' biofilter media for nitrogenous matters removal	Member	MOHE: FRGS	136,133	1-9-2022	31-8-2024	5F526
2.	Development and characterisation on the newly developed natural coagulant suitable for the pre-treatment of pom wastewater	Leader	UTM: CRG 15.2	20,000	1-11-2019	31-10-2021	09G79
3.	Role of active coagulant agent from fruit wastes in enhancing destabilisation of colloidal particles in wastewater	Leader	MOHE: FRGS	106,700	1-9-2019	31-5-2022	5F218
4.	Removal of organic and nutrient content in wastewater by active plant- based natural coagulant agent	Leader	UTM: RUGTIER 2	28,900	1-8-2019	31-1-2022	16J76
5.	Batch test study on maintaining low dissolved oxygen during aeration process in wastewater treatment under exposure of magnetic field	Leader	UTM: RUGTIER 2	20,000	1-7-2017	30-9-2018	14J41
6.	Clean water supply for indigeneous community in kampung orang asli Pasir Salam, Ulu Tiram, Johor, Malaysia	Member	CCIN	165,516	8-4-2020	31-3-2021	4J478
7.	Enhanced anaerobic and aerobic biogranulation system for treating palm oil mill wastewater	Member	UTM: CRG 15	140,000	1-11-2019	30-4-2022	09G78
8.	Development and evaluation on the performance of aerobic biogranules system for the treatment of pre-treated pom wastewater	Member	UTM: CRG 15.1	40,000	1-11-2019	30-4-2022	09G81

9.	Development and evaluation on the performance of anaerobic biogranules system for the treatment of pretreated POM wastewater	Member	UTM: CRG 15.3	20,000	1-11-2019	31-10-2021	09G82
10.	Development of low-cost filtration system for wastewater reuse	Member	UTM: CRG 14.1	40,000	1-11-2019	31-10-2021	09G46
11.	Water demand-supply allocation for Pasir Gudang	Member	UTM: CRG 14.3	20,000	1-11-2019	31-10-2021	09G83
12.	Determining the sorption behavior of nickel and cadmium ions during struvite crystallization in wastewater	Member	MOHE: FRGS	77,900	1-9-2019	31-5-2022	5F249
13.	Assessment of water quality and microbial community structure changes in full-scale sewage treatment plant with suspended biofilm carrier	Member	UTM: RUGTIER 2	20,000	1-8-2019	31-1-2022	17J14
14.	Study on fertilizing efficiency of struvite recovered in portable toilets wastewater	Member	UTM: RUGTIER 2	20,000	1-8-2019	31-1-2022	16J67
15.	Verification and performance study of pilot sewage treatment plant using membrane bioreactor (MBR) system	Member	Contract Research: DTSB	19,750	15-3-2019	30-6-2021	4C245
16.	Removal mechanism of organics and nutrients from low-strength wastewater using biogranulation technology	Member	MOHE: FRGS	94,000	1-1-2019	31-10-2021	5F064
17.	Waste materials as housing finishes with thermal insulation performance	Member	UTM: TDRG	80,000	1-12-2018	31-5-2021	06G64
18.	Ammonia recovery from palm oil mill effluent using coconut pith	Member	UTM: TDRG	40,000	1-12-2018	31-5-2021	05G09
19.	Modular coordination and waste valorisation towards achieving sustainable housing	Member	UTM: TDRG	212,000	1-12-2018	31-5-2021	07G06
20.	Rancangan Khas Kajian Gugusan Pulau Tioman	Member	Contract Research: RJPCSB	50,000	16-4-2018	15-12-2019	4C203

21.	Enhancement of bio-granular process through the application of natural polymer for the removal of wastewater	Member	UTM: RUGTIER 1	50,000	1-2-2018	31-1-2020	18H96
22.	Removal of organics and nutrients from domestic wastewater using biogranulation technology	Member	UTM: RUGTIER 1	50,000	1-2-2018	31-1-2020	18H89
23.	Verification and Performance Study of Pilot Trial Sewage Treatment Plant	Member	Contract Research: DJWSB	42,241	15-12-2017	13-12-2020	4C173
24.	Study on the biodegradation process of nutrient in municipal wastewater under the influence of electromagnetic field	Member	MOHE: FRGS	99,640	15-8-2017	14-8-2020	4F984
25.	Assessment study of sewage treatment plant systems at Petronas RAPID temporary camp facilities	Member	Contract Research: Petronas RAPID	103,217	16-7-2017	22-10-2017	4C154
26.	PM2.5 concentration forecasting using Geographic Information System (GIS) spatial mapping in Southern Peninsular Malaysia	Member	UTM: RUGTIER 2	20,000	1-7-2017	30-9-2018	14J61
27.	Characterization and assessment of atmospheric segregated fine particulates in urban- industrial area	Member	UTM: PAS	20,000	1-6-2017	31-5-2018	02K82
28.	Optimization of coagulation condition for micro pollutant recovery in wastewater using <i>Jatropha Curca</i>	Member	UTM: RUGTIER 2	20,000	1-10-2016	31-12-2017	12J46
29.	Effect of intermittent electromagnetic field on nutrient removal in municipal wastewater	Member	UTM: RUGTIER 2	20,000	1-10-2016	31-12-2017	12J71
30.	Development of baseline data on sludge bulking in selected sewage treatment systems	Member	UTM: RUGTIER 1	50,000	15-11-2015	14-11-2017	12H26
31.	Development of a High Porosity Carbon (HPC) from pome sludge for attached	Member	UTM: RUGTIER 1	44,000	1-4-2014	30-6-2015	07H24

	growth biological wastewater treatment processes						
32.	Novel treatment approach for new emerging pollutant using magnetized biogranular system	Member	MOHE: ERGS	80,000	1-6-2013	30-11-2015	4L119
33.	Development of new form biogranular sludge under influence of magnetic induction for industrial wastewater treatment	Member	MOSTI: Science Fund	227,000	1-7-2012	31-12-2014	4S029
34.	Enhancement of activated sludge settleability with potential reduction of sludge bulking under facilitation of magnetic fields exposure	Member	MOSTI: Science Fund	337,500	1-6-2012	30-4-2015	4S032

TEACHING ACTIVITIES

UNDERGRADUATE

YEAR OF SEMESTER	SEMESTER (1/2)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
2015 / 2016	1	SKAA1012	Introduction to Civil Engineering	2	01 - 05
2015 / 2016	1	SKAU4912	Principle of Environmental Engineering	2	01
2015 / 2016	2	SKAA2922	Wastewater Engineering	2	01
2015 / 2016	2	SKAA3031	Integrated Design Project 2	1	01
2015 / 2016	2	SKAA3913	Environmental Management	3	01
2016 / 2017	1	SKAA1012	Introduction to Civil Engineering	2	01 – 04
2016 / 2017	1	SKAA3913	Environmental Management	3	01 & 03
2016 / 2017	2	SKAA2922	Wastewater Engineering	2	01
2016 / 2017	2	SKAA3031	Integrated Design Project 2	1	02
2016 / 2017	2	SKAA3913	Environmental Management	3	03
2017 / 2018	1	SKAA2922	Wastewater Engineering	2	03
2017 / 2018	1	SKAA3913	Environmental Management	3	03
2017 / 2018	2	SKAA3031	Integrated Design Project 2	1	05 & 06
2017 / 2018	2	SKAA3913	Environmental Management	3	03
2017 / 2018	2	SKAU4912	Principle of Environmental Engineering	2	01
2018 / 2019	1	SKAA3913	Environmental Management	3	03
2018 / 2019	1	SKAB1011	Introduction to Civil Engineering	1	01 – 04
2018 / 2019	1	SKAB2922	Wastewater Engineering	2	02
2018 / 2019	1	SKAU4912	Principle of Environmental Engineering	2	01
2018 / 2019	2	SKAA3031	Integrated Design Project 2	1	03 & 05
2018 / 2019	2	SKAA3913	Environmental Management	3	02
2019 / 2020	1	SEAA1011	Introduction to Civil Engineering	1	01 – 06
2019 / 2020	1	SKAA2922	Wastewater Engineering	2	03
2019 / 2020	1	SKAA3913	Environmental Management	3	01
2019 / 2020	1	SKAB2922	Wastewater Engineering	2	03
2019 / 2020	1	SKAB3913	Environmental Management	3	01
2019 / 2020	1	UHMT1012	Graduate Success Attributes	2	17
2019 / 2020	2	SKAA2922	Wastewater Engineering	2	02
2019 / 2020	2	SKAB2922	Wastewater Engineering	2	02
2019 / 2020	2	SKAB3913	Environmental Management	3	03
2020 / 2021	1	SEAA1011	Introduction to Civil Engineering	1	01 – 06
2020 / 2021	1	SEAA2912	Water Treatment	2	02
2020 / 2021	1	SKAB2912	Water Treatment	2	02
2020 / 2021	1	SKAB4032	Integrated Design Project 2	2	02
2020 / 2021	2	SKAB3913	Environmental Management	3	04
2021 / 2022	2	SEAA2922	Wastewater Engineering	2	03
2022 / 2023	1	SEAA 3913	Environmental Management	3	02

TOTAL CREDIT HOUR 79

POSTGRADUATE

YEAR OF SEMESTER	SEMESTER (1/2)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
2019 / 2020	2	MKAK1133	Water Pollution Control	3	01
2020 / 2021	1	MKAK1133	Water Pollution Control	3	01
2020 / 2021	2	MKAK1133	Water Pollution Control	3	01
2021 / 2022	2	MKAK1133	Water Pollution Control	3	01
2022 / 2023	1	MKAK1133	Water Pollution Control	3	01

TOTAL CREDIT HOUR 15

SUPERVISION

PHD STUDENTS

Main Supervisor

NO.	NAME	STATUS	TITLE	DATE
1.	Muzammil	On-going		2023
2.	Loh Zhang Zhan	On-going	Biofiltration Using Plant-based Waste as Biofilter Media To Reduce Nitrogenous Compounds in Wastewater	15-10-2020
3.	Muhammad Burhanuddin Bahrodin	On-going	Utilization of Plant/Fruit Waste as Natural Coagulant in Treating Industrial Wastewater	5-9-2018

Co-Supervisor

NO.	NAME	STATUS	TITLE	DATE
1.	Mustafa Wajdi Jalal Wajdi	On-going	Effect of Electromagnetic Field on the Treatment of Palm Oil Mill Effluent (POME)	25-9-2017
2.	Dian Andriani	On-going	Immobilization of Indigenous Bacterial Mixed Culture on Geothermal Silica Waste for Bioremediation of Wax Containing Batik Wastewater	8-2-2023

MASTER STUDENTS

Master by Research (Main Supervisor)

NO.	NAME	STATUS	TITLE	DATE
1.	Amir Hariz Amran	Graduated	Carica Papaya Seeds-derived Coagulant for Water Treatment	31-7-2020

Master by Taught Course (Co-Supervisor)

NO.	NAME	STATUS	TITLE	DATE
-----	------	--------	-------	------

1.	Fatiha Syahirah Abdul Aziz	Graduated	Study on the Intermittent Effect of Electromagnetic Field Towards Performance in Wastewater Treatment	2017
----	----------------------------	-----------	---	------

UNDERGRADUATE FINAL YEAR STUDENTS

NO.	NAME	STATUS	TITLE	YEAR
1.	Chin Siaw Shi	On-going	Hybrid Treatment of Green Waste Vinegar and Activated Sludge in Treating Chicken Manure Wastewater	2023
2.	Muhammad Muaz Rashidi	On-going	Treatment of Chicken Manure Wastewater using Green Waste Vinegar	2023
3.	Muhammad Amer Syazwan Azim	On-going	Treatment of Chicken Manure Wastewater using Green Waste Vinegar	2023
4.	Nur Syazwani Kamaruzaman	Graduated	Role of active coagulant agent in treating palm oil mill (POM) wastewater	2021
5.	Ezzyan Intan Syafhirah Abdul Rahim	Graduated	Role of active coagulant agent in pre-treating palm oil mill (POM) wastewater	2021
6.	Jasmine Bulan Radin	Unfinished	Recycling Activity at Kuching South City Council	2021
7.	Loh Zhang Zhan	Graduated	Bagasse as Natural Coagulant for Wastewater Treatment	2020
8.	Hng Jia Ming	Graduated	Effect of Electromagnetic Field (EMF) on Performance of Sewage Treatment	2020
9.	Ting Won Chin	Graduated	Banana Peels as Potential Natural Coagulant for Domestic Wastewater	2020
10.	Nor Shahzaiwa Wafa Suhaimi	Graduated	Utilization of Fruit Wastes as Natural Coagulants in Treating Municipal Wastewater	2019
11.	Tan Kean Hong	Graduated	Assessment on Performance Efficiency of Modified Activated Sludge Treatment Processes	2019
12.	Maria Adibah Abdul Rahman	Graduated	Effect of Various Natural Coagulants on Treatment of Polluted River Water	2018
13.	Mohd Shukri Sgawi	Graduated	Potential Purification of Polluted Water Using Natural Coagulant	2018
14.	Syahida Adnan	Graduated	Evaluation on Potential Occurrence of Sludge Bulking in Wastewater Treatment Plant at Johor Bahru	2017
15.	Amir Hariz Amran	Graduated	Study on Potential Occurrence of Sludge Bulking in Wastewater Treatment Plant at Johor Bahru	2017
16.	Nur Fatin Izzati Amdan	Graduated	Effects of Magnetic Field on Physical Properties of Activated Sludge in Treating Palm Oil Mill Effluent	2016
17.	Nur Aimi Nadzirah Zamri	Graduated	Effects of Magnetic Field on Activated Sludge in Treating Textile Wastewater	2016

UTM POSTGRADUATE EXAMINATION / VIVA

PHD STUDENTS

NO.	ROLE	NAME OF STUDENT	TITLE	YEAR
-----	------	-----------------	-------	------

1.	Assistant Chairman	Nur Farhan Zon	Sorption of Heavy Metals onto Polyethylene Microbeads and Its Ingestion Effect on Lates calcarifer	2021
2.	Assistant Chairman	Shazani Sarijan	Microplastic Pollution in Urban Rivers using African Catfish, Clarias Gariepinus	2020
3.	Assistant Chairman	Ahmad Hanis Omar @ Omri	Textile Wastewater Treatment using Magnetic Activated Carbon Aerobic Granules	2019
4.	Assistant Chairman	Saberi Nawi	Bioremediation of Shrimp Pond Effluent using Outdoor Seaweed	2019
5.	Assistant Chairman	Fadzlin Md Sairan	-	2018
6.	Assistant Chairman	Siti Rahmah Omar	-	2018

MASTER BY MIXED MODE STUDENTS

NO.	ROLE	NAME OF STUDENT	TITLE	YEAR
1.	Panel	Anusha A/P Sri Daran	Effectiveness of Heavy Metal Removal from Industrial Wastewater Using Physico-Chemical Treatment	29-4-2019
2.	Panel	Zaween Najjah Mohamad Shamsul	Microplastic in Gastrointestinal Tract of Fish	29-4-2019

PROGRESS PRESENTATION BY PHD AND MASTER STUDENTS

1. Danial Mohd Ali, "Characterization of Bioflocculant Produced from Plant-Based Kitchen Wastes for Suspended Solids Removal", 16 January 2023.
2. Mohamad Khairi Akmal Mohamad Kamal, "Microplastic Accumulation at Sungai Pulai Seagrass Bed", 16 January 2023.
3. Dian Andriani, "Immobilization of Indigenous Bacterial Mixed Culture on Geothermal Silica Waste for Bioremediation of Wax Containing Batik Wastewater", 3 January 2023.
4. Nur Zulaikha Yaakub, "Determining the Sorption Behavior of Nickel and Cadmium Ions During Struvite Crystallization in Wastewater", 4 January 2021.
5. Sarah Laila Mohd Jan, "Behaviour and Environmental Performance of Green Construction Material", 4 January 2021.
6. Ainul Syarmimi Rosli, "Water Quality Modeling of Sg. Johor River Basin Using ArcGIS-SWAT", 22 December 2020.
7. Zainab Mat Lazim, "Investigation of Floating Macrophytes For Phytoremediation Mechanisms Silver Nanoparticles Contaminated Waters", 22 December 2020.
8. Nur Sumaiyyah Supian, "High Gradient Magnetic Separation Using Steel Wool on Wastewater Treatment", 19 October 2020 (Mock-VIVA).
9. Juhaizah Talib, "Assessment and Removal of Emerging Pollutants in Conventional Water Treatment", 10 December 2019 (Mock-VIVA).
10. Maria Nuid, "Biogranulation Technology for the Treatment of Real Primary Palm Oil Mill Effluent Using Sequencing Batch Reactor", 10 December 2019 (Mock-VIVA).
11. Najihashuhada Abi Jihat, "Natural Nano Zeolite for Ammoniacal Nitrogen Recovery from Wastewater", 5 December 2019.

12. Mst. Kaniz Fatema, "Floating Wetlands for The Removal of Nutrients in Shallow Tropical Lake", 5 December 2019.
13. Ainul Syarmimi Rosli, "Water Quality Modeling of Sg. Johor River Basin Using ArcGIS-SWAT", 5 December 2019.
14. Athirah Othman, "Effect of Magnetic Field on Crystallization of Pipe", 25 November 2019 (Mock-VIVA).
15. Zaweem Najjah Mohamad Shamsul, "Microplastic in Gastrointestinal Tract of Fish", 29 April 2019.
16. Anusha A/P Sri Daran, "Effectiveness of Heavy Metal Removal from Industrial Wastewater Using Physico-Chemical Treatment", 29 April 2019.
17. Zainab Mat Lazim, "Investigation of Floating Macrophytes For Phytoremediation Mechanisms Silver Nanoparticles Contaminated Waters", 25 April 2019.
18. Chen Chee Xiang, "Occurrence, Fate, Behaviour And Mass Balance of Antibiotics in Sewage Treatment Plant In Malaysia", 23 April 2019.
19. Angel We Chyi En, "Removal of Organics and Nutrients from Low-strength Domestic Wastewater Using Aerobic Granulation Technology", 23 April 2019.
20. Mohd Azlan Ahmad, "Green Synthesis of Silver Nanoparticle and Its adsorption Behavior on Different Agricultural Waste Activated Carbon", 8 April 2019.
21. Mohd Azlan Ahmad, "Biotransformation of Brominated Flame Retardant (BFRS) Using Indigenous", 3 May 2018.
22. Ariani Dwi Astuti, "Enhancement of Biogranulation Process Through the Application of Natural Polymer", 19 April 2018.
23. Nur Sumaiyyah Supian, "High Gradient Magnetic Separation Using Steel Wool on Wastewater Treatment", 19 April 2018.
24. Muhammad Khairool Fahmy Mohd Ali, "Stochastic Model for Initiation and Growth of Multiple Corrosion Pits in Pipeline Using Pigging Data", 18 April 2018.
25. Siti Suhaila Mohamad, "Effect of Magnetic Field on Concrete", 14 January 2018.
26. Mohamad Azhar Yaakob, "The Significance of Low Impact Refrigerants in Air-conditioning System to Stimulate Energy Saving", 4 May 2017.

PUBLICATIONS

H-INDEX: 9

INDEXED PUBLICATIONS

NO.	ARTICLE TITLE	JOURNAL TITLE	ISSN	VOL.	ISSUE	PAGE	YEAR	IF	TYPE	CATEGORY	QUARTILE RANKING	CATEGORY AUTHOR
1.	Analysis of sustainable indicators of water resources for redesigning the health promoting water delivery networks: A case study in Sahneh, Iran	Case Stud. Chem. Environ. Eng.	2666-0164	7	-	100346	2023	-	Research article	SCOPUS	-	First UTM author
2.	Preliminary study on the occurrence of microplastics in a local sewage treatment plant	IOP Conf. Ser. Earth Environ. Sci.	1755-1307	1144	1	012007	2023	-	Research article	SCOPUS	-	Co-author
3.	Water quality in Malaysia: Review Manik Urai, Durian and Geh rievrs	Env. Toxicol. Manage.	2776-1886	2	2	26-30	2022	-	Research article	Non-indexed	-	First UTM author
4.	A novel pico-hydro power (PHP)-microbial electrolysis cell (MEC) coupled system for sustainable hydrogen production during palm oil mill effluent (POME) wastewater treatment	Int. J. Hydrog. Energy	1879-3487				2022	7.139	Research article	WoS	Q2	First UTM author
5.	Current status and future research trends of biofiltration in wastewater	Curr. Poll. Reports	2198-6592	8	3	234-248	2022	3.286	Review article	WoS	Q1	First UTM author

	treatment: A bibliometric review											
6.	A novel natural active coagulant agent extracted from the sugarcane bagasse for wastewater treatment	Appl. Sci.	2076-3417	12	16	7972	2022	2.679	Research article	WoS	Q2	Corresp. author
7.	Superior removal of humic acid from aqueous stream using novel calf bones charcoal nanoadsorbent in a reversible process	Chemosphere		301	-	134673	2022		Research article	WoS	Q1	First UTM author
8.	Natural-based polymers for wastewater treatment	AIP Conf. Proceedings	1551-7616	2454	1	050009	2022	-	Research article	SCOPUS	-	Co-author
9.	Insights into the potential application of magnetic field in controlling sludge bulking and foaming: A review	Bioresour. Technol.	0960-8524	358	4	127416	2022	9.642	Review article	WoS	Q1	Corresp. author
10.	Comparative assessments of wastewater treatment technologies for potential of wastewater recycling	Desalination and Water Treat.		261		151-158	2022		Review article	WoS	Q4	First UTM author
11.	Turbid water treatment using deshelled <i>Carica papaya</i> seed: Analysis via factorial design	Biointerface Res. Appl. Chemis.	2069-5837	12	6	7787-7795	2022	-	Research article	SCOPUS	-	Co-author
12.	Advances in pre-treatment technology for handling the palm oil mill effluent: Challenges and prospects	Bioresour. Technol.	0960-8524	344	-	126239	2022	9.642	Review article	WoS	Q1	Co-author

13.	Bioremediation of micropollutants using living and non-living algae-Current perspectives and challenges	Env. Poll.	0269-7491	292	-	118474	2022	8.071	Review article	WoS	Q1	Co-author
14.	Improvement of biomass aggregation in sludge bulking by magnetic field application	Env. Quality Manage.	1088-1913	32	1	151-158	2022	-	Research article	SCOPUS	-	Corresp. author
15.	Removal of phosphorus from aqueous solution using multi-wall carbon nanotube (MWCNT) as adsorbent: Kinetics and isotherms	Fuller Nanotub Car N	1536-383X	30	5	589-595	2022	1.869	Research article	WoS	Q4	First UTM author
16.	Effect of metal content from sewage sludge on the growth of <i>Orthosiphon stamineus</i>	Env. Toxicol. Manage.	2776-1886	1	3	29-34	2021	-	Research article	Non-indexed	-	Corresp. author
17.	Effects of wastewater type on stability and operating conditions control strategy in relation to the formation of aerobic granular sludge—a review	Water Sci. Technol.	0273-1223	84	9	2113-2130	2021	1.915	Review article	WoS	Q4	First UTM author
18.	Prospective biodegradation of organic and nitrogenous pollutants from palm oil mill effluent by acidophilic bacteria and archaea	Bioresource Technol. Reports	2589-014X	15	-	100809	2021	-	Research article	SCOPUS	-	First UTM author
19.	Potential of oil palm trunk starch as flocculant for	IOP Conf. Ser. Earth Environ. Sci.	1755-1307	842	1	012013	2021	-	Research article	SCOPUS	-	Co-author

	contaminant of emerging compound removal											
20.	Effect of magnetic field on biomass properties and their role in biodegradation under condition of low dissolved oxygen	Appl. Water Sci.	2190-5487	11	7	1-12	2021	3.874	Research article	WoS	Q1	Corresp. author
21.	Shifting from conventional to organic filter media in wastewater biofiltration treatment: A review	Appl. Sci.	2076-3417	11	18	8650	2021	2.679	Review article	WoS	Q2	First UTM author
22.	Deshelled <i>Carica papaya</i> seeds as natural coagulant for improvement quality of river water	Sains Malaysiana	0126-6039	50	6	1521-1529	2021	1.009	Research article	WoS	Q4	Corresp. author
23.	Potential of <i>Carica papaya</i> seed-derived bio-coagulant to remove turbidity from polluted water assessed through experimental and modelling-based study	Appl. Sci.	2076-3417	11	12	5715	2021	2.679	Research article	WoS	Q2	First UTM author
24.	Recent advances on coagulation-based treatment of wastewater: Transition from chemical to natural coagulant	Curr. Poll. Reports	2198-6592	7	3	379-391	2021	3.286	Review article	WoS	Q1	Corresp. author
25.	Utilization of fruit wastes (jackfruit and mango seeds and banana trunk) as natural coagulants in treating municipal wastewater	IOP Conf. Ser. Mater. Sci. Eng.	1757-8981	1144	1	012049	2021	-	Research article	SCOPUS	-	Corresp. author

26.	Effect of initial pH adjustment on acetogenic treatment of palm oil mill effluent	Ann. Romanian Soc. Cell Biol.	1583-6258	25	3	5459 - 5466	2021	-	Research article	SCOPUS	-	Co-author
27.	Performance of sand filtration system with different sand bed depth for polishing wastewater treatment	J. Environ. Treat. Tech.	2309-1185	9	2	452 - 457	2021	-	Research article	SCOPUS	-	Corresp. author
28.	Enhanced biomass properties in sludge bulking: Impact of static magnetic field	IOP Conf. Ser. Mater. Sci. Eng.	1757-8981	917	-	0129009	2020	-	Research article	SCOPUS	-	Corresp. author
29.	Effect of electromagnetic field on low dissolved oxygen wastewater treatment	J. Environ. Treat. Tech.	2309-1185	8	3	1101 - 1106	2020	-	Research article	SCOPUS	-	Co-author
30.	Enhancement of nitrification efficiency during sludge bulking by magnetic field under long sludge retention time	3 Biotech	2190-572X	10	9	408	2020	1.798	Research article	WoS	Q3	Corresp. author
31.	Optimisation of static magnetic field (SMF) on physical properties of biomass using central composite design experiment	J. Phys. Conf. Ser.	1742-6596	1529	4	042094	2020	-	Research article	SCOPUS	-	Corresp. author
32.	Performance of MR-De'Duster in capturing low density particulate	IOP Conf. Ser. Mater. Sci. Eng.	1757-8981	884	1	012045	2020	-	Research article	SCOPUS	-	Co-author
33.	Effectiveness of local waste materials as organic-based coagulant in treating water	IOP Conf. Ser. Mater. Sci. Eng.	1757-8981	636	1	012007	2019	-	Research article	SCOPUS	-	Corresp. author

34.	Effectiveness of natural coagulant in coagulation process: A review	Int. J. Eng. Technol.	2227-524X	7	3.9	34 – 37	2019	-	Review article	SCOPUS	-	Co-author
35.	Effects of extra-cellular polymeric substances towards physical properties of biomass under magnetic field exposure	Int. J. Environ. Sci. Technol.	1735-1472	16	7	3801 - 3808	2019	2.54	Research article	WoS	Q2	Corresp. author
36.	Potential of fruit peels in becoming natural coagulant for water treatment	Int. J. Integ. Eng.	2229-838X	11	1	140 - 150	2019	-	Research article	WoS	-	Corresp. author
37.	Potential of a static magnetic field to inhibit filamentous sludge bulking in activated sludge process	J. Environ. Eng.	0733-9372	145	3	0401-9001	2019	1.264	Research article	WoS	Q4	Corresp. author
38.	Development of microbial granule using low strength textile wastewater under influence of static magnetic field	Int. J. Pure Appl. Math.	1314-3395	118	24	1 - 19	2018	-	Research article	Non-indexed	-	Co-author
39.	Potential inhibition of filamentous microorganisms in sludge bulking by static magnetic field	Int. J. Eng. Technol.	2227-524X	7	3.9	15 - 17	2018	-	Research article	SCOPUS	-	Corresp. author
40.	Study on the effect of a static magnetic field in enhancing initial state of biogranulation	J. Water Supply Res. Technol.	0003-7214	67	5	484 - 489	2018	1.319	Research article	WoS	Q3	Co-author
41.	Optimization of operating parameters for aggregation under	ARNP J. Eng. Appl. Sci.	1819-6608	11	4	2419 - 2425	2016	-	Research article	SCOPUS	-	First author

	magnetic field by response surface methodology											
42.	Magnetic field application and its potential in water and wastewater treatment systems: A review	Sep. Pur. Rev.	1542-2119	43	3	206 - 240	2014	5.324	Review article	WoS	Q1	Corresp. author
43.	Optimization of activated sludge physical properties by magnetic field via response surface modelling	Appl. Mech. Mater.	1662-7482	567	-	98 - 103	2014	-	Research article	SCOPUS	-	Corresp. author
44.	Nutrient Content of Sewage Sludge and Its Utilisation towards Horticulture Plant	J. Emerg. Trend. Eng. Appl. Sci.	2141-7016	3	1	81 - 85	2012	-	Research article	Non-indexed	-	Corresp. author

NON-INDEXED PUBLICATIONS

PROCEEDING/CONFERENCE PROCEEDING

1. Ka Chong Ngui, Norelyza Hussein, Suhairul Hashim, Zainura Zainon Noor, he Hafizan Che Hassan, Nur Syamimi Zaidi. "Indoor Radon Concentration for Buildings of Different Ages in Universiti Teknologi Malaysia". *Advances in Civil Engineering Materials: Selected Articles from the International Conference on Architecture and Civil Engineering (ICACE 2021)*, 2022.
2. Sarah Laila Mohd Jan, Norelyza Hussein, Nor Hasanah Abdul Shukur Lim, Che Hafizan Che Hassan, Nur Syamimi Zaidi. "Life Cycle Assessment on Alternatives Concretes and Cementitious Materials". *Advances in Civil Engineering Materials: Selected Articles from the International Conference on Architecture and Civil Engineering (ICACE 2021)*, 2022.
3. Khalida Muda, Mohd Hafiz Puteh, Mohamad S. J. Darwish, Nur Syamimi Zaidi, Mohamad Faiz Mohd Amin. "Anaerobic Acetogenic Treatment of Palm Oil Mill Effluent Coupled with Aerobic Condition". *8th International Graduate Conference on Engineering, Science and Humanities (IGCESH)*, 2020.
4. Loh Zhang Zhan, Nur Syamimi Zaidi. "Bagasse as Natural Coagulant for Wastewater Treatment." *5th Proceeding of Civil Engineering, School of Civil Engineering*, 2020.
5. Hng Jia Ming, Nur Syamimi Zaidi. "Effect of Electromagnetic Fields on Performance of Sewage Treatment." *5th Proceeding of Civil Engineering, School of Civil Engineering*, 2020.
6. Tan Kean Hong, Nur Syamimi Zaidi. "Performance efficiency of modified activated sludge treatment processes." *4th Proceeding of Civil Engineering, School of Civil Engineering*, 2019.
7. Amir Hariz Amran, Nur Syamimi Zaidi, Khalida Muda, Liew Wai Loan. "Effect of plant-derived natural coagulant using carica papaya seeds to treat surface water." *Proceedings of 7th International Graduate Conference of Engineering, Science and Humanities (IGCESH)*, 13 -15 August 2018.
8. Ahmad Bazli Sahir, Khalida Muda, Nur Syamimi Zaidi. "Application of plant-based natural coagulant for water treatment." *3rd Proceeding of Civil Engineering, School of Civil Engineering*, 2018.
9. Maria Adibah Abdul Rahman, Nur Syamimi Zaidi. "Effect of natural coagulant on the treatment of polluted river water." *3rd Proceeding of Civil Engineering, School of Civil Engineering*, 2018.
10. Amir Hariz Amran, Nur Syamimi Zaidi. "Study on potential occurrence of sludge bulking in wastewater treatment plant at Johor Bahru." *2nd Proceeding of Civil Engineering, Faculty of Civil Engineering*, 2017.
11. Nur Fatin Izzati Amdan, Nur Syamimi Zaidi. "Effects of magnetic field on physical properties of activated sludge in treating Palm Oil Mill Effluent (POME)." *1st Proceeding of Civil Engineering, Faculty of Civil Engineering*, 2016.
12. J. Sohaili, A. Noraziah, Z. Nur Syamimi. "Effective treatment of domestic sewages using Vetiveria Zizaniodes in constructed wetland." *4th IWA-ASPIRE Conference and Exhibition- Toward Sustainable Water Supply and Recycling Systems*, 2011.

THESIS

1. Nur Syamimi Zaidi, *Application of Magnetic Field For Reduction of Sludge Bulking in Activated Sludge System*, Ph.D. Thesis, Universiti Teknologi Malaysia, Johor Bahru, Malaysia (2016).

ORIGINAL BOOK

1. Mohd Fadhil Md Din, Nor Eliza Alias, Norelyza Hussein, Nur Syamimi Zaidi (2022). *Sustainability Management Strategies and Impact in Developing Countries (Community, Environment and Disaster Risk Management, Vol. 26)*. Emerald Group Publishing (ISBN 978-1-80262-450-2).

2. Sobri Harun, Ahmad Safuan A. Rashid, Nur Syamimi Zaidi, Libriati Zardasti, Ain Naadia Mazlan, Sitti Asmah Hassan, Nor Hasanah Abdul Shukor Lim, Ilya Khairanis Othman, Azman Mohamed, Ahmad Razin Zainal Abidin @ Md. Taib, Eeydzh Aminuddin (2020). Teaching Module for Civil Engineering Research Students. 1st Edition. School of Civil Engineering (ISBN 978-967-2401-30-8).

BOOK CHAPTER

1. Nur Syamimi Zaidi, Johan Sohaili, and Noraziah Ahmad (2022). Performance of Constructed Wetland Using Vetiveria Zizanioides in Enhancing Water Quality. In: Eco hydrology & Eco hydraulics: Water Quality and Sediment Control. 1st Edition. Penerbit UTM Press.
2. Nur Syamimi Zaidi, Khalida Muda, Johan Sohaili and Mika Sillanpää (2017). Experiences of Sludge Bulking in Malaysia. In: Activated Sludge Separation Problems: Theory, Control Measures, Practical Experiences. 2nd Edition. London: IWA Publishing.

EXPERT REPORT

1. Advisory and Consultancy in MSM Sugar Refinery (Johor) Sdn Bhd For Environmental Committee Members (ECM). Final report submitted to MSM Sugar Refinery (Johor) Sdn Bhd, Mar 2023.
2. Preliminary and Feasibility Studies for Technology and Design of Decentralized Water Treatment System and Other Related Works at Federal Territory Of Kuala Lumpur, National Water Research Institute of Malaysia (NAHRIM), Feb 2023.
3. Draf Akhir Rancangan Kawasan Khas Pembangunan Taman Negara, Endau Rompin, Johor, Pejabat Projek Zon Selatan (PPZS), Sept 2022.
4. Social Impact Assessment (SIA) Study for Sewerage Project Implementation at Perkampungan Kukup Laut and Ayer Masin, Tanjong Piai, Pontian, Johor, Jabatan Perkhidmatan Pembetulan, May 2022.
5. Climate Change Adaptation Framework for Water Sectors, National Water Research Institute of Malaysia (NAHRIM), June 2021.
6. Study on Determination of Total Maximum Daily Load for Sungai Skudai. Final report submitted to Badan Kawal Selia Air Negeri Johor (BAKAJ), May 2021.
7. Verification and Performance Study of Pilot Sewage Treatment Plant Using Membrane Bioreactor (MBR) System, National Water Services Commission (SPAN), Jan 2021.
8. Verification and Performance Study of Pilot Sewage Treatment Plant Using Advanced Immobilized Cell Reactor (AICR), National Water Services Commission (SPAN), Jan 2021.
9. Draf Akhir Rancangan Kawasan Khas Sungai Skudai, Majlis Bandaraya Johor Bahru (MBJB), Dec 2020.
10. Draf Akhir Rancangan Kawasan Khas Sungai Skudai, Majlis Perbandaran Iskandar Puteri (MBIP), Aug 2019.
11. Water Management Blueprint for PBT Pengerang 2018 - 2027, PBT Pengerang, Dec 2018.
12. Assessment Study of Sewage Treatment Plant Systems at Petronas Rapid Temporary Camp Facilities. Final report submitted to Petronas, Nov 2017.

1. Mohamad Faiz Mohd Amin, Mohd Sukhairi Mat Rasat, Muhammad Iqbal Ahmad, Nur Shahidah Aftar Ali, Khalida Muda, Nur Syamimi Zaidi, Shahrul Ismail, Mohd Faidz Mohamad Shahimin, Mohamad Asyraf Mohd Amin, Mohammed Abdus Salam (2022). "Natural-based polymers for wastewater treatment". AIP Conference Proceedings 2454, 050009. **INDEXED PUBLICATIONS**
2. Norelyza Hussein, Mohd Rashid Mohd Yusof, Nor Ruwaida Jamian, Nur Syamimi Zaidi, Nur Hasyimah Hashim, Che Hafizan Che Hassan. "An Analysis Study on Performance of Newly Developed Multi-Cyclone". 5th International Conference on Advanced Technology & Applied Sciences and 6th Malaysia-Japan Joint International Conference (ICATAS-MJJIC), 2020. **CONFERENCE PROCEEDINGS**

3. Nulhazwany Abdul Malik, Khalida Muda, Nur Syamimi Zaidi, Mohamad Darwish. "Enhancement of activated sludge process with low dissolved oxygen using electromagnetic field." International Conference on Environmental Sustainability and Resource Security (IC-ENSURES), 2019. **CONFERENCE PROCEEDINGS**
4. Nur Syamimi Zaidi, Khalida Muda, Johan Sohaili, Liew Wai Loan, Norelyza Hussein. "Influence of magnetic field on sludge bulking under long sludge retention time." International Conference on Environmental Sustainability and Resource Security (IC-ENSURES), 2019. **CONFERENCE PROCEEDINGS**
5. Nur Syamimi Zaidi, Khalida Muda, Johan Sohaili. "Applying static magnetic field on physical properties of activated sludge: Optimization through Response Surface Methodology." 7th International Conference on Environmental Science and Technology, Houston, Texas USA, 9 – 13 June 2014. **CONFERENCE PROCEEDINGS**

MAGAZINE / NEWSPAPER

PLENARY / CHAIRPERSON / ORAL PRESENTER / KEYNOTE SPEAKER / INVITED GUEST SPEAKER

NO.	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1.	Invited Speaker	Webinar Hub Air Malaysia	28-12-2021	Online via ZOOM
2.	Invited speaker	Webinar on Climate Change Adaptation Framework on Water Sectors	10-6-2021	Online via ZOOM
3.	Oral presenter	1 st International Conference on Computing, Information Science and Engineering	29-1-2020 to 30-1-2020	Hotel Grand Riverview, Kota Bharu
4.	Invited guest speaker	"Strategies to Get Yourself Employed" in How to Get Yourself Employed (HTGYE)	29-11-2019	School of Civil Engineering, UTM
5.	Invited guest speaker	"What Employer Look for When Recruiting Graduates" in How to Get Yourself Employed (HTGYE)	29-11-2019	School of Civil Engineering, UTM
6.	Oral presenter	International Conference on Environmental Sustainability and Resource Security (IC-ENSURES)	5-11-2019 to 6-11-2019	The Royal Widad Residence @ UTMKL, Kuala Lumpur
7.	Invited speaker	"Innovation of Wastewater Management System" in Seminar Keselamatan, Kesehatan Pekerjaan dan Alam Sekitar	25-9-2019	Amansari Residence Resort, Masai, Johor
8.	Oral presenter	3 rd International Conference on Architecture and Civil Engineering (ICACE)	26-6-2019	Seri Pacific Hotel Kuala Lumpur
9.	Oral presenter	The 2 nd International Symposium on Civil and Environmental Engineering (ISCEE)	3-12-2018 to 4-12-2018	The Federal Kuala Lumpur
10.	Invited guest speaker	"Surviving a First Job" in How to Get Yourself Employed (HTGYE)	17-11-2018 & 24-11-2018	School of Civil Engineering, UTM
11.	Invited guest speaker	"Facing Job Interview" in How to Get Yourself Employed (HTGYE)	17-11-2018 & 24-11-2018	School of Civil Engineering, UTM
12.	Oral presenter	The 11 th Regional Conference on Environmental Engineering (RCENVE)	27-9-2018 to 28-9-2018	Sunway Hotel, Phnom Penh, Cambodia

13.	Oral presenter	2 nd International Conference on Architecture and Civil Engineering (ICACE)	9-5-2018 to 10-5-2018	PARKROYAL Hotel, Batu Ferringhi, Penang
14.	Oral presenter	Malaysian Technical Universities Conference on Engineering and Technology (MUCET)	11-10-2015 to 13-10-2015	KSL Hotel, Johor Bahru
15.	Oral presenter	7 th International Conference on Environmental Science and Technology	9-6-2014 to 13-6-2014	Houston, Texas USA
16.	Oral presenter	2 nd International Conference on Civil, Offshore and Environmental Engineering (ICCOEE)	3-6-2014 to 5-6-2014	KLCC, WP Kuala Lumpur
17.	Poster presenter	4 th IWA-ASPIRE Conference and Exhibition- Toward Sustainable Water Supply and Recycling Systems	2-10-2011 to 6-10-2011	Tokyo International Forum, Japan

MANUSCRIPT REVIEWER

PROFESSIONAL SERVICES

CONSULTATION AND TRAINING

NO.	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1.	Project Leader	Rancangan Kawasan Khas Pembangunan Taman Negara Endau Rompin, Johor	1-3-2022 to 1-9- 2022	Taman Negara Endau Rompin, Johor	30,534
2.	Project Leader	Pelan Induk Landskap Majlis Perbandaran Batu Pahat Johor Darul Takzim 2023-2033	1-11-2021 To 30-6-2023	Batu Pahat	20,000
3.	Member	The Feasibility study for Enhancement of Sungai Skudai River Management and Monitoring Tool (RMMT)	10-2021 to 12-2021	Sg. Skudai	USD 15,000
4.	Member	Projek Penerbitan Buku "Pengurusan Air dan Pembentungan di Malaysia: Sejarah dan Perspektif"	1-10 2020 to 31-8-2021	-	500,000
5.	Member	Total Maximum Daily Load (TMDL) for Skudai River, Badan Kawal Selia Air Johor (BAKAJ)	1-8-2020 to 31-3-2021	Sg. Skudai	480,000
6.	Project Leader	Kajian Rancangan Kawasan Khas Sungai Skudai, Majlis Bandaraya Johor Bahru (MBJB)	1-7-2020 to 31-12-2020	Sg. Skudai	32,000

7.	Member	Verification and performance study of pilot trial sewage treatment plant, Renolux Engineering Sdn. Bhd.	15-11-2019 to 17-7-2020	STP Mutiara Mas	20,988
8.	Member	Preliminary and Feasibility Study of Decentralised Water Treatment Design and Technology for Kuala Lumpur Area	1-10-2019 to 31-5-2020	WP Kuala Lumpur	250,000
9.	Member	Climate Change Adaptation Framework on Water Sectors, National Hydraulics Research Institute Malaysia (NAHRIM)	1-10-2019 to 31-5-2020	-	150,000
10.	Member	Kajian Rancangan Kawasan Khas Sungai Skudai, Majlis Perbandaran Iskandar Puteri (MBIP)	26-12-2018 to 25-8-2019	Sg. Skudai	40,000
11.	Presenter	The 11 th Regional Conference on Environmental Engineering	27-9-2018 to 28-9-2018	Phnom Penh, Cambodia	2,969
12.	Member	Water Management Blueprint for PBT Pengerang 2018 - 2027	1-10-2017 to 31-07-2018	Pengerang	382,173
13.	Facilitator	Sakura Science Plan	17-2-2017 to 26-2-2017	Ritsumeikan University, Japan	81,960

COMMUNITY PROJECT

NO.	ROLE	NAME OF PROJECT	DATE	TOTAL VALUE OF PROJECT (RM)
1.	Member	Clean Water Supply for Indigenous Community in Kampung Orang Asli Pasir Salam, Ulu Tiram, Johor, Malaysia	8-4-2020	165,516

COMMUNITY AND UNIVERSITY SERVICES

NO.	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
1.	Program Director / Participant	Program KUDAH 'Kutip Sampah Sambil Beriadah'	28-7-2022	UTM	Gunung Pulai, Kulai
2.	Program Director / Participant	Program KUDAH 'Kutip Sampah Sambil Beriadah'	12-2-2022	UTM	Kg. Kukup Laut, Kg. Ayer Masin, Kg. Benteng Kanan, Pontian
3.	Participant	Program Gotong-royong Susulan Sayangi Sungai Kim Kim	10-4-2021	National	Sungai Kim Kim, Pasir Gudang

PATENT GRANTED AND FILING

NO.	NAME OF PATENT	STATUS	PATENT NO.
1.	Deshelled Carica Papaya Seeds-Derived Natural Coagulant	Filed	PI2020007019
2.	Application of Electromagnetic Field in Municipal Wastewater Treatment under Low Dissolved Oxygen	Pending	IP/PT/2019/0836
3.	Sequential Batch Reactor for Controlling Sludge Bulking	Filed	PI2018700984

COPYRIGHT

NO.	NAME OF COPYRIGHT	STATUS	COPYRIGHT NO.
1.	Framework of Pilot Membrane Bioreactor (MBR) Sewage Treatment System Verification	Granted	LY2021J06616
2.	Questionnaire on Effectiveness of Active Learning Method in Teaching and Learning Activities	Granted	IP/CR/00749
3.	Questionnaire on Effectiveness of Blended Project Based Learning	Granted	IP/CR/00750
4.	Questionnaire on Issue of Mining Bauxite in Pahang	Granted	LY2020004380
5.	Application of Plant Based Cymbopogon Citratus as Natural Coagulant for Water Treatment	Granted	IP/CR/2019/0794
6.	Questionnaire on Sustainability Development - A Survey Regarding Awareness on Carbon Footprint of Construction in Johor	Granted	LY2019008666
7.	Questionnaire on the Effectiveness of Car Free Day CFD in UTM Based on Students and Staffs Perspectives	Granted	IP/CR/2019/0523
8.	SKAB Curriculum for Bachelors Degree of Civil Engineering UTM	Granted	IP/CR/2019/0163
9.	Coffee Book Table of SAKURA Science Plan 2017	Granted	LY2018001317
10.	OCW Environmental Management SKAA3913	Granted	IP/CR/2018/0159
11.	2nd Proceeding of Civil Engineering	Granted	IP/CR/2018/0089
12.	Kaji Selidik Kesedaran Carpooling Di Kalangan Pelajar UTM	Granted	IP/CR/2018/0324
13.	Kaji Selidik Penggunaan Polystyrene Sebagai Pembungkus Makanan di Kalangan Pelajar UTM	Granted	LY2018004850
14.	Kaji Selidik Penggunaan Air di Kalangan Pelajar UTM	Granted	LY2018004844
15.	Kaji Selidik Penggunaan Bahan Pencuci di Kalangan Pelajar UTM	Granted	LY2018004842
16.	Kaji Selidik Keberkesanan Pengasingan Sisa Pepejal di Arked Meranti UTM	Granted	LY2018004839
17.	Questionnaire on Electric Usage Among UTM Student	Granted	LY2018004832
18.	Survey Questionnaire on Air-Conditioner Usage in UTM	Granted	LY2018003887
19.	Research Proposal on Characterization and Source Apportionment of PM _{2.5} Speciated Mass and Particle Number Concentration in Urban Area	Granted	LY2018001332