



PERSONAL DETAILS

Name : ZULKIFLEE BIN IBRAHIM
Gender : Male
Date of Birth/Age : 22 December 1965
Nationality : Malaysian
Marital Status : Married
Permanent Address : No. 46, Jalan Palas 15, Taman Teratai, 81110 Johor Bahru, Johor
Correspondent Address : Department of Water & Environmental Engineering,
 Faculty of Civil Engineering, Universiti Teknologi Malaysia,
 81310 Skudai, Johor, Malaysia.
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Website : <https://people.utm.my/zulkfe/>
ID Staff : 5441
Expertise : Surface Water Hydraulics, River Engineering, Environmental
 Hydraulics, Flood Hydraulics, Vegetated Channels, Urban Drainage
H-Index (WOS) : 2
H-Index (SCOPUS) : 2
H-Index (G. Scholar) : 5
H-Index (Researchgate) : 5

ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	Doctor of Philosophy	Civil Engineering	Universiti Teknologi Malaysia (UTM)	2008	2015
2	Master of Engineering	Civil-Hydraulics & Hydrology	Universiti Teknologi Malaysia (UTM)	1992	1993
3	Bachelor of Science	Civil Engineering	University of Miami, Florida, USA	1983	1987

AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	18
National Awards/Honors	0
UTM Awards/Honors	14
Faculty Awards/Honors	7

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	Best Paper, 5th CENVIRON 2022	INTERNATIONAL	Co-author	2022
2	5th ICWR (2021)	INTERNATIONAL	Reviewer	2022
3	Active Blended Learning Course (SKAB 4032)	UTM	Co-member	2021
4	Audit Pasca Siswazah MQA	UTM	Co-member	2021
5	Award Anugerah Perkhidmatan Cemerlang (APC). UTM (2021)	UTM	Recipient	2021
6	INTI University Research Symposium	INTERNATIONAL	Speaker	2021
7	Pengajar/Penceramah Kursus MDRM-MJIIT	UTM	Recipient	2021
8	Award Anugerah Perkhidmatan Jasa Setia. UTM (2020)	UTM	Recipient	2020
9	Award Anugerah Perkhidmatan Jasa Bakti. UTM (2010)	UTM	Recipient	2010
10	Patent Grant	INTERNATIONAL	Recipient	2020
11	Anugerah Khas Dekan FE	UTM	Member	2020
12	Dana Technology Implementation (TIF)	UTM	Co-member	2020
13	ICONCESS 2019	INTERNATIONAL	Reviewer	2020
14	ICSEWR 2020	INTERNATIONAL	Reviewer	2020
15	Kompetensi Staf SKA	FACULTY	Facilitator	2020
16	AICCE '19	INTERNATIONAL	Reviewer	2019
17	OSHE UTM Award (Gold)	UTM	Co-recipient	2019
18	INATEX 2019 - Participation	UTM	Team Leader	2019
19	4 th ICWR (2018)	INTERNATIONAL	Reviewer	2019
20	ICSEWR 2018	INTERNATIONAL	Reviewer	2018
21	Anugerah Kepujian Dekan	FACULTY	Recipient	2018
22	12 th SEPKA & 3 rd ISEED	INTERNATIONAL	Reviewer	2018
23	Anugerah OSHE – Makmal Hidraulik & Hidrologi	FACULTY	Team Leader	2018
24	Anugerah Pengurusan Aset Alih – Makmal Hidraulik & Hidrologi	FACULTY	Team Leader	2018
25	INATEX 2017 - Participation	UTM	Team Leader	2017
26	IAHR World Congress	INTERNATIONAL	Reviewer	2017

27	Jurnal Teknologi	INTERNATIONAL	Reviewer	2017
28	ITEX Gold Medal	INTERNATIONAL	Co-recipient	2016
29	3 rd ICWR (2015)	INTERNATIONAL	Reviewer	2016
30	ICSEWR 2016	INTERNATIONAL	Reviewer	2016
31	Jurnal Teknologi	INTERNATIONAL	Reviewer	2016
32	Teaching award: Anugerah Penasihat Akademik	FACULTY	Recipient	2016
33	Doktor Falsafah	UTM	Recipient	2015
34	Teaching award: Anugerah Penasihat Akademik	FACULTY	Recipient	2014
35	Teaching Award	FACULTY	Recipient	2013
36	Anugerah Kualiti Perkhidmatan	UTM	Member	2013
37	2 nd ICWR (2012)	INTERNATIONAL	Reviewer	2013
38	1 st ICWR (2009)	INTERNATIONAL	Reviewer	2010
39	Master of Engineering	UTM	Recipient	1993

WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Trainee Engineer	1987	1988	IJM Corporation
2	Assistant Lecturer 'A'	1989	1993	UTM
3	Lecturer	1993	2005	UTM
4	Senior Lecturer	2005	To date	UTM

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	2
National Professional Membership / Qualifications / Recognition	8

NO	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	International Association for Hydro-Environment Engineering and Research (IAHR)	International	Member	2017
2	Board of Engineers, Malaysia (BEM)	National	Registered Engineer	1987
3	Institution of Engineers, Malaysia (IEM)	National	Graduate Engineer	1988
4	IEM (Water Resources Division)	National	Member	1990
5	Malaysian Society for Engineering & Technology (MySET)	National	Member	2000
6	Malaysian Hydrological Society (MHS)	National	Member	1998
7	National Geographic Society	International	Member	2005
8	Friend-WWF Malaysia	National	Member	2008
9	Academic Staffs Association (PKA UTM)	UTM	Member	2004
10	Badan Kebajikan Staf (BAKES)	UTM	Member	2015

ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
1	Research Group Leader, Integrated Water Resources Management	Sept. 2022	Dec. 2023	Faculty of Civil Engineering, UTM
2	Coordinator/Head of Hydraulics and Hydrology Laboratory	Sept. 2015	Sept. 2022	School/Faculty of Civil Engineering, UTM
3	Head of Hydraulics Panel	Sept. 2015	To date	School/Faculty of Civil Engineering, UTM

4	Post Graduate Course Coordinator (MKAG 1153 Fluvial Hydraulics)	Feb. 2021	To date	School of Civil Engineering, UTM
5	Undergraduate Course Coordinator (SKAB 2513 Hydraulics)	2012	2015	Faculty of Civil Engineering, UTM
6	Undergraduate Course Coordinator (SKAW 2513 Hydraulics)	2005	2007	Faculty of Civil Engineering, UTM
7	Head of Hydraulics and Hydrology Laboratory	1994	1998	Faculty of Civil Engineering, UTM

CONSULTATION WORKS

Summary	
Consultation Project-UTM	13 projects (RM 188,600)
Consultation Project- Others	7 projects (RM NA)

NO.	YEAR	TITLE	ROLE	VALUE	VOT NO.	TYPE OF VOT (UTSB/UNIVERSITY GRANT/ETC)
1.	2017-2019	Kajian permodelan fizikal bagi "Independent expert review of dredging and disposal works at Ringleet Reservoir in Cameron Highland" (client: TNB Research & Angkasa Consulting Services Sdn Bhd.)	Physical Modeller	RM118,000	1194	UTSB
2.	2018	Experiment on Float Range Pole (Sept –Dec.) (Client: ASATEK LAB PLT)	Physical Modeller	RM10,600	137	UTSB
3.	2015	Pembinaan Lencongan Banjir Lembangan Sg. Segamat–Sg. Genuang, Johor: Model Fizikal (client: Jabatan Pengairan dan Saliran, Malaysia)	Physical Modeller	RM 60,000	NA	UTSB
4.	2009	Hydraulic Study on Model and Prototype of Bouy Tidal Gate (client: Wellguard Sdn. Bhd., Kluang, Johor)	Physical Modeller	NA	NA	PRIVATE
5.	1999	Pembinaan Pintu Air Bermotor di Sg. Chat, Johor Bahru (client: Majlis Bandaraya Johor Bahru),	Hydraulic Engineer	NA	NA	UTSB

6.	1999	Hydraulic Model Investigation on Proposed Beris Dam Spillway (client: Jabatan Pengairan dan Saliran, Malaysia)	Physical Modeller	NA	NA	UTM
7.	1997	Preliminary EIA for Residential, Light Industries and Commercial Development at Lots 71014 and 71016, Mukim Kangkar Pulai, Johor Bahru (client: Pangkal Budiman Sdn. Bhd.)	Hydrologic and Water Quality Expert	NA	NA	PRIVATE
8.	1997	Preliminary EIA for "Cadangan Ubah Syarat Tanah CT 10074 Lot 2274 - 2290, Mukim Mersing, Daerah Mersing, Johor (client: Maxi - Universal (M) Sdn. Bhd.)	Hydrologic and Water Quality Expert	NA	NA	PRIVATE
9.	1997	Preparing Baseline Drainage System and Hydrology Data for Macro EIA Study for the Proposed Coastal Reclamation of Kedah Darulaman	Hydraulic Engineering Expert	NA	NA	UTM
10.	1997	Application of Streeter-Phelp Dissolved Oxygen Model and Hydrologic Regime in a Preliminary EIA for a Proposed Mixed Township and Housing Development at Bandar Tenggara, Kulai, Johor (client: Nordex Technologies)	Hydrologic and Water Quality Expert	NA	NA	PRIVATE
11.	1996	Runoff and Soil Erosion Impact Study in a Floral Farm at Senai, Johor (client: Prince Floral Farm (M) Sdn. Bhd.)	Hydrologic and Water Quality Expert	NA	NA	PRIVATE
12.	1996	Environmental & Coastal Resource Study for Sand Dredging off Pontian Coast in Mukim Serkat, Pontian, Johor (client: Cermat Utama Sdn. Bhd.)	Hydrologic and Water Quality Expert	NA	NA	PRIVATE
13.	1996	Preliminary EIA for Commercial and Light Industries Development at Lot 1453, Mukim Sedenak, Johor Bahru (client: Sin Soon Lee Realty Co. (M) Sdn. Bhd.)	Hydrologic and Water Quality Expert	NA	NA	PRIVATE

14.	1996	Preliminary EIA for Mixed Development at Sg. Danga, Johor Bahru (client: Perisind Holdings Sdn. Bhd.)	Hydrologic and Water Quality Expert	NA	NA	UTM
15.	1995	Hydrological component in the Preliminary EIA for "Cadangan Pembangunan Ladang Kelapa Sawit, Mukim Padang Endau, Mersing, Johor" (client: Koperasi Pekebun Kecil, Daerah Mersing Bhd.)	Hydrologic and Water Quality Expert	NA	NA	UTM
16.	1995	Dilution Factor Study for Sungai Skudai (client: Envilab Sdn. Bhd.)	Water Quality Expert	NA	NA	UTM
17.	1995	Hydrological and Environmental Components in the Preliminary EIA for Land Reclamation and Development in Alai, Melaka. (client: Mahajaya Sdn. Bhd.)	Hydrologic and Water Quality Expert	NA	NA	UTM
18.	1995	Hydrological and Environmental Components in the Preliminary EIA for Mixed Development at Tanjung Leman, Mersing, Johor. (Client: PKENJ)	Hydrologic and Water Quality Expert	NA	NA	UTM
19.	1994	Hydrological and Environmental Components in the Preliminary EIA report for the proposed Kuala Baram Port, Miri, Sarawak. (Client: Miri Port Authority)	Hydrologic and Water Quality Expert	NA	NA	UTM
20.	1994	Hydrological and Environmental Components in the Preliminary Environmental Impact Assessment for Sheep Breeding Farm, Sg. Marong, Rompin, Pahang. (client: Jabatan Perkhidmatan Haiwan, Malaysia)	Hydrologic and Water Quality Expert	NA	NA	UTM

INTERNATIONAL/NATIONAL/UNIVERSITY COMMITTEE

Summary	
International Committee	11
National Committee	8
University Committee	4
Faculty Committee	9
Community Committee	4

International

NO	NAME OF COMMITTEE	ROLE	ORGANIZER	STARTING DATE	ENDING DATE
1	International Conference on Water and Environment for Sustainability (ICWES 2022)	Scientific Committee	Nottingham University, Malaysia	Sept. 2022	Dec. 2022
2	International Conference on Civil Engineering 2022 (AICCE'22)	Local Advisory Board Member	USM	Aug. 2021	Feb. 2022
3	5th International Conference on Water Resources (ICWR 2021)	Technical Committee Member and Reviewer	UTM & DID	Jan. 2021	Dec. 2021
4	29th World Conference on Applied Science, Engineering, and Technology	Advisory Board	WCASET 2020, Vietnam, IFERP Worldwide	Jan. 2020	May 2020
5	4th International Conference on Water Resources (ICWR 2018)	Technical Committee Member and Reviewer	UTM & DID	Jan. 2018	Dec. 2018
6	37th IAHR World Congress, Kuala Lumpur 2017	International Scientific Committee Member and Reviewer	IAHR & USM	Jan. 2017	Sept. 2017
7	3rd International Conference on Water Resources (ICWR 2015)	Technical Committee Member and Reviewer	UTM & DID	Jan. 2015	Dec. 2015
8	2nd International Conference on Water Resources (ICWR 2012)	Technical Committee Member and Reviewer	UTM & DID	Jan. 2012	Dec. 2012
9	International Conference on Water Resources (ICWR 2009)	Organising Committee Member	UTM & DID	Nov. 2008	Jun 2009
10	International Symposium on Urban Planning and Stormwater Management	Organising Committee Member	UTM	March 1989	Sept. 1989
11	Short Course on Stormwater Planning, Management and Design	Organising Committee Member	UTM	March 1989	Sept. 1989

National

NO	NAME OF COMMITTEE	ROLE	ORGANIZER	STARTING DATE	ENDING DATE
1	Kursus Asas Pengurusan Sungai dan Air (KAPSA '97)	Organising Committee Member	UTM & IHP Malaysia	Jan. 1997	Aug. 1997
2	Tenth APD-IAHR Congress	Organising Committee Member	IAHR & UTM	Jan. 1996	Sept. 1996
3	Kursus Lanjutan Penilaian Sumber Air (KULAPSA '95)	Secretary	UTM & IHP Malaysia	March 1995	Dec. 1995
4	Kursus Asas Pengurusan Sumber Air (KAPSA '94)	Organising Committee Member	UTM, IHP Malaysia	March 1994	Aug. 1994
5	Course on Integrated Planning, Design & Management of Urban Lake / Pond	Organising Committee Member	UTM	Jan. 1993	Sept. 1993
6	Advanced Course in Water Resources	Organising Committee Member	UTM & IHP Malaysia	Jan. 1992	Aug. 1992
7	Kursus Asas Pengurusan Sungai dan Air (KAPSA '97)	Organising Committee Member	UTM & IHP Malaysia	Jan. 1997	Aug. 1997
8	Ceramah Hidrologi ke Sekolah-sekolah di Negeri Johor Darul Takzim	Member	UTM & IHP, Malaysia	Feb. 1989	Dec. 1998

University

NO	NAME OF COMMITTEE	ROLE	ORGANIZER	STARTING DATE	ENDING DATE
1	Jawatankuasa Pemilihan Pentadbir	Member	UTM	April 2022	Dec. 2022
2	Course on Integrated Planning, Design & Management of Urban Lake / Pond.	Organising Committee Member	UTM & IHP Malaysia	Jan. 1993	Sept. 1993
3	Short Course on River Water Quality Modelling (QUAL2EU)	Organising Committee /Course Facilitator	UTM	Jan. 1993	Sept. 1993
4	International Symposium on Urban Planning and Stormwater Management	Organising Committee Member	UTM	Feb. 1989	Aug. 1990

Faculty

NO	NAME OF COMMITTEE	ROLE	ORGANIZER	STARTING DATE	ENDING DATE
1	Jawatankuasa Akademik, Pra Siswazah	Member	FKA	2015	To date
2	Penyelaras Makmal	Member	FKA	2015	2022
3	OSHE	Member	FKA	2016	2022
4	Audit Aset Tetap	Member	FKA	2016	2022
5	Perolehan	Member	FKA	2016	2022
6	Audit Dalaman Makmal	Member	FKA	2016	2022
7	Audit Inventori	Member	FKA	2016	2022
8	Buku Panduan FKA	Chairman	FKA	2000	2002
9	Minggu Kejuruteraan Awam	Member	FKA	2007	2007

Community

NO	NAME OF COMMITTEE	ROLE	ORGANIZER	STARTING DATE	ENDING DATE
1	Persatuan Ibubapa dan Guru (PIBG), SMK Taman Universiti, Skudai, Johor	Member	SMK Taman Universiti	2013	2019
2	Persatuan Ibubapa dan Guru (PIBG), SK Taman Sri Pulai, Skudai, Johor	Member	SK Taman Sri Pulai	2005	2006
3	Persatuan Penduduk Jalan Palas 14-15, Taman Teratai, Skudai, Johor	Member	Persatuan Penduduk Taman Teratai	1997	2004
4	Persatuan Kebajikan Penduduk Simpang Ampat, Seberang Perai	Member (Ex-Secretary)	Persatuan Penduduk Simpang Ampat	1987	To date

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF COMMITTEE	ROLE	ORGANIZER	STARTING DATE	ENDING DATE
1	International Conference on Civil Engineering 2022 (AICCE'22)	Local Advisor & Presenter	USM	15 Feb. 2022	17 Feb. 2022
2	The 5th International Conference on Water Resources (ICWR-2021)	Technical Member	UTM & DID	23 Nov. 2021	25 Nov. 2021
3	International Conference on River Morphology & Flood Control Piura River, Peru	Participant	IAHR	20 Nov. 2021	21 Nov. 2021
4	INTI's Research Symposium Series on Water & Environment 2021	Presenter	INTI University	22 June 2021	23 4June 2021
5	22nd IAHR APD Congress	Participant	IAHR	14 Sept 2020	17 Sept. 2020
6	The 4th International Conference on Water Resources (ICWR-2018)	Technical Member & Presenter	UTM & DID	27 Nov. 2018.	28 Nov. 2018
7	AWAM International Conference on Civil Engineering 2019 (AICCE'19)	Presenter	USM	21 Aug.2019	22 Aug. 2019
8	37th IAHR World Congress	Participant	IAHR & USM	13 Aug. 2017	18 Aug. 2017
9	11th International Civil Engineering Post Graduate Conference and 1st International Symposium on Expertise of Engineering Design (SEPKA-ISEED 2016)	Participant	UTM	26 Sept. 2016	27 Sept. 2016
10	The 3 rd International Conference on Water Resources (ICWR-2015)	Technical Member & Presenter	UTM & DID	27 Nov. 2015.	28 Nov. 2015
11	Seminar Penyelidikan Kejuruteraan Awam (SEPKA 2014)	Presenter	UTM	14 April 2014	15 April 2014
12	Persidangan Kebangsaan Hidrologi dan Alam Sekitar (HIDRAS 2012). Universiti Teknologi Tun Hussein Onn (UTHM)	Participant	UTHM	12 Dec. 2012	12 Dec. 2012
13	The 2nd International Conference on Water Resources (ICWR-2012)	Technical Member & Presenter	UTM & DID	27 Nov. 2012.	28 Nov. 2012

14	Physical Modeling Application and Technologies (PHYMAT2012)	Invited Speaker	NAHRIM	20 September 2012	20 September 2012
15	Seminar Penyelidikan Kejuruteraan Awam (SEPKA 2011)	Presenter	UTM	13 September 2011	15 September 2011
16	World Engineering Congress 2010, Conference on Natural Resources and Green Technology	Presenter	USM	2 August 2010	5 August 2010
17	The International Conference on Water Resources (ICWR-2009)	Technical Member & Presenter	UTM & DID	27 May. 2009	28 May. 2009
18	International Conference on Rivers 07	Presenter	USM	6 June 2007	8 June 2007
19	Workshop "Publication in Journal: Paper Review", Faculty of Civil Engineering, UTM	Participant	UTM	17 April 2007	17 April 2007
20	IEM Course on Hands-on on MASMA	Participant	IEM	1 March 2007	3 March 2007
21	Second SANREM 2006	Presenter	UMS	21 Nov. 2006	23 Nov. 2006
22	Bengkel Pengemaskinian Silibus Program Sarjana Muda, JHH	Participant	FKA, UTM	16 Nov. 2006	16 Nov. 2006
23	Bengkel "Content Aided Tutoring"	Participant	UTM	24 July 2006	24 July 2006
24	Basic Counseling Skills for Academic Advisors Programme	Participant	FKA, UTM	21 June 2006	21 June 2006
25	Bengkel Pengemaskini Silibus & Penyediaan Nota Tahap Satu Program Pengajian Siswazah (Secara Kerja Kursus) – JHH	Participant	FKA, UTM	25 May 2006	25 May 2006
26	Bengkel Penyediaan Cadangan Penyelidikan CIDB 2006 Kumpulan Fokus Construction	Participant	FKA, UTM	16 May 2006	16 May 2006
27	Kursus Pembelajaran Dewasa (Adult Learning)	Participant	UTMSPACE	27 July 2005	27 July 2005
28	Kursus Pembangunan Objek dan Pembelajaran Digital	Participant	UTM	26 April 2005	27 April 2005
29	Kursus Penulisan Karya Asli	Participant	UTM	15 March 2005	17 March 2005
30	Kursus Penilaian Tahap Kecekapan, PTK3, DS45	Participant	UTM	2004	2004

31	Seminar Penyelidikan Kejuruteraan Awam (SEPKA 2004)	Presenter	UTM	1 September 2004	2 September 2004
32	Bengkel Kemahiran Generik	Participant	FKA, UTM	18 May 2004	19 May 2004
33	"Modelling Applications in Oceanography and Pollutant Transport" by Eric Anderson, Applied Science Associates (ASA)	Participant	UTM	19 March 2002	19 March 2002
34	Advanced Course on Stormwater Modelling	Participant	UTM & DID	27 July 1998.	31 July 1998
35	Kursus Pendek Pengangkutan Endapan: Teori dan Praktikal	Participant	USM	29 April 1998.	30 April 1998.

RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	0 projects (RM0)
Principal Investigator- National Grants	2 projects (RM107,500)
Principal Investigator- UTM Grants	5 projects (RM86,500)
Member- International Grants	1 projects (RM25,000)
Member- National Grants	11 projects (RM1,073,815)
Member- UTM Grants	12 projects (RM496,150)

As a principal investigator (PI)

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	The formation and influence of sandbars due to varying of flow and sediment in vegetated channels	PI	OTHERS	FRGS	RM73,500	2019	2020	FRGS 5F089
2	Influence of riparian vegetation on river hydraulics and morphology during floods	PI	UTM	UTM-RU	RM20,000	2018	2019	RUG. 15J61,
3	Flow behaviour in flooding riparian	PI	UTM	(UTM Potential Academic Staff	RM20,000	2015	2016	02K00

	vegetated mobile bed straight channels							
4	Experimental investigation on the behaviour of thermal effluent in free surface flow	PI	OTHERS	MOHE (FRGS)	RM34,000	2007	2008	78123
5	Development of Hydrographic Database and Preliminary Hydrodynamic Modelling for Sg. Pulai Estuary	PI	UTM	RMC UTM (Short Term)	RM20,000	2000	2001	71555
6	Pollutant Transport in Open Channel Flow	PI	UTM	RMC UTM (Short Term)	RM18,500	1997	1998	71120
7	Rehabilitation of Urban River Water Environment	PI	UTM	RMC UTM (Short Term)	RM8,000	1996	1997	61854

As a scientific member (SM)

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Experimental Study of Wave Energy Dissipation on Submerged Artificial Reefs	SM	UTM	UTMFR	RM60000	2022	2024	UTMFR 21H77
2	Experiment on Composite Porous Concrete (CPC) slab Cover drain for Urban Stormwater Management	SM	OTHERS	CONTRACT	RM20000	2022	2024	CONTRACT 4C62
3	Meningkatkan Ekonomi	SM	UTM	CCIN - STAR RATING	RM20,000	2021	2023	CCIN

	Komuniti Setempat Melalui Pengurusan Konservasi Hutan Paya Laut							
4	Erosion of Riparian Vegetated Stream Banks Due to Bifurcation and Confluence of Channel	SM	OTHERS	FRGS	RM87200	2020	2023	FRGS 5F313
5	The Influence of Morphological Changes on Freshwater Salinization Profiles in a Meandering River	SM	OTHERS	FRGS	RM144,800	2020	2023	FRGS 5F420
6	Saltwater intrusion pattern in a meandering river	SM	UTM	UTMER	RM30,000	2019	2022	UTMER 17J75
7	Meandering estuarine salinity-freshwater mixing component under various mass influent through physical model	SM	OTHERS	FRGS 2021-1	RM84,430	07/2021	06/2023	FRGS/1/2021/TK0/UITM/02/88
8	Elucidating the flow behaviour and hydraulic performance of dual-drainage systems under climate-change conditions	SM	OTHERS	FRGS 2021-1	RM136,775	07/2021	06/2024	FRGS/1/2021/WAB02/USM/03/2
9	UTM Icon 5.2: Modeling of future saltwater intrusion and initiatives for water resources security	SM	OTHERS	(UTM RA ICONIC GRANT)	RM118,950	2020	2023	(UTM RA ICONIC GRANT) Q.J130000.4 352.09G76

10	Investigation on Different Types of Vegetation in Reducing Roof Runoff	SM	UTM	UTMFR	RM67,200	2019	2021	UTMFR
11	Experiment on drainage system using eco-composite in porous concrete for urban stormwater management	SM	OTHERS	Contract	RM40,000	2019	2020	Contract Research 4C246
12	Meningkatkan Ekonomi Komuniti Setempat Melalui Pengurusan Konservasi Hutan Paya Laut	SM	UTM	CCIN	RM20,000	2019	2021	Centre for Community and Industry Network 4L433
13	A Climate Change Resilient Forecasting Model of Extreme Rainfall of Peninsular Malaysia	SM	UTM	UTM Fundamental Research	RM70,000	2019	2021	UTMFR 21H59
14	Development of efficient and environmental-friendly drainage system for stormwater control.,	SM	UTM	UTM-RU	RM20,000	2017	2018	RUG 14J57
15	Kajian permodelan fizikal bagi "Independent expert review on dredging and disposal works at Ringlet reservoir in Cameron Highland"	SM	OTHERS	FRGS	RM40,000	2017	2019	FRGS 4C145
16	Control of turbidity currents to reduce reservoir	SM	OTHERS	MOHE FRGS	RM74,700	2015	2016	MOHE FRGS 4F687

	sedimentation using obstacles							
17	Hydrodynamic simulation of Kelantan river-bank erosion and channel change during heavy floods	SM	OTHERS	FRGS	RM60,000	2015	2016	FRGS 4F692
18	Flow mechanism in straight mobile bed channels,	SM	UTM	UTM-RU	RM20,000	2012	2013	RUG 06546
19	Flow mechanism in vegetated two-stage meandering fixed bed channel	SM	UTM	UTM-RU	RM40,000	2011	2012	RUG 03597
20	Determination of flow characteristics in the vegetated compound channels	SM	UTM	RMC UTM (IRGS)	RM10,000	2008	2009	78286
21	Flood water level influenced by trees and vegetation along the edge of floodplain in case of river flooding,	SM	OTHERS	Malaysia Toray Science Foundation (MTSF)	RM25,000	2008	2010	73331
22	Determination of flow characteristics in the vegetated straight compound channel	SM	OTHERS	MOHE (FRGS)	RM86,000	2008	2010	78359
23	Hydraulic Performance of High-Velocity Channels in Flood-Prone Area	SM	UTM	RMC UTM (Fundamental)	RM20,000	2007	2008	71840
24	The study on water supply distributions	SM	OTHERS	SCIENCEFUN D	RM300,000	1991	1993	62074

COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/INTER NATIONAL)	ROLE	STARTING DATE	ENDING DATE
1	MOU between Universiti Teknologi Malaysia (UTM) and Majlis Bandaraya Shah Alam (MBSA)	NATIONAL	Member	2021	2026
2	MOU between Universiti Teknologi Malaysia (UTM) and Department of Irrigation and Drainage (JPS)	NATIONAL	Member	2019	2024
3	MOU between Universiti Teknologi Malaysia (UTM) and National Water Research Institute Malaysia (NAHRIM)	NATIONAL	Member	2020	2025
4	MOU between Universiti Teknologi Malaysia (UTM) and National Water Research Institute Malaysia (NAHRIM)	NATIONAL	Member	2017	2020

TEACHING ACTIVITIES

Summary	
Total Credit Hours	133

UNDERGRADUATES

Session	Sem.	Subject Code	Subject	Credit Hour	No of Student
2022/2023	2	SEAA 2513	Hydraulics	3	30
2022/2023	2	SEAA 4032	Integrated Design Project 2	2	50
2022/2023	2	SEAA 2012	Civil Engineering Laboratory 1	2	30
2022/2023	1	SEAA 2513	Hydraulics	3	50
2022/2023	1	SEAA 4032	Integrated Design Project 2	2	42
2021/2022	2	SEAA 2513	Hydraulics	3	49 + 30
2021/2022	1	SEAA 2513	Hydraulics	3	46
2020/2021	2	SEAA/SKAB 2513	Hydraulics	3	50

2020/2021	1	SEAA 4032	Integrated Design Project 2	2	28
2019/2020	2	SKAA/SKAB 2513	Hydraulics	3	46 + 45
2019/2020	1	SKAA/SKAB 2513	Hydraulics	3	30
2018/2019	2	SKAB 2513	Hydraulics	3	43
2018/2019	2	SKAB 2012	Civil Engineering Laboratory 1	2	43
2018/2019	1	SKAA/SKAB 2513	Hydraulics	3	29
2017/2018	2	SKAA 2012	Hydraulics	3	54
2017/2018	1	SKAA 2513	Hydraulics	3	57
2017/2018	1	SKAA 2012	Civil Engineering Laboratory 1	2	52
2016/2017	2	SKAA 2513	Hydraulics	3	48
2016/2017	1	SKAA 2513	Hydraulics	3	55
2015/2016	2	SKAA 2513	Hydraulics	3	39
2015/2016	2	SKAA 2012	Civil Engineering Laboratory 1	2	40
2015/2016	1	SKAA 2513	Hydraulics	3	36
2015/2016	1	SKAA 2012	Civil Engineering Laboratory 1	2	35
2014/2015	2	SKAA 2513	Hydraulics	3	34
2014/2015	2	SKAA 2012	Civil Engineering Laboratory 1	2	39
2014/2015	1	SKAA 2513	Hydraulics	3	27
2014/2015	1	SKAA 2012	Civil Engineering Laboratory 1	2	32
2013/2014	2	SKAA 2513	Hydraulics	3	50
2013/2014	2	SKAA 2012	Civil Engineering Laboratory 1	2	50
2013/2014	2	SAB 4012	Project of Professional Practice	2	52
2013/2014	1	SKAA 2513	Hydraulics	3	24
2013/2014	1	SKAA 2012	Civil Engineering Laboratory 1	2	35
2012/2013	2	SKAA/SAB 2513	Hydraulics	3	50
2012/2013	1	SKAA/SAB 2513	Hydraulics	3	57
2007/2008	1	SAB 2513	Hydraulics	3	49
		SAB 4643 SAM 5643	Environmental Hydraulic and Hydrology	3	34 2
2006/2007	2	SAB 2513	Hydraulics	3	45
2006/2007	1	SAB 2513	Hydraulics	3	50
2005/2006	2	SAB 2513	Hydraulics	3	44
2005/2006	1	SAB 2513	Hydraulics	3	58
2004/2005	2	SAM 3513	Hydraulics	3	49
2004/2005	1	SAM 3513	Hydraulics	3	50
Total credits				113	1718

POSTGRADUATES

Session	Sem	Subject Code	Subject	Credit Hour	No of Student
2022/2023	2	MKAG 1153	Fluvial Hydraulics	3	2
2022/2023	1	MKAG 1123	Hydraulic Structures	3	1
2021/2022	2	MKAG 1153	Fluvial Hydraulics	3	1

2021/2022	1	MKAG 1123	Hydraulic Structures	3	4
2020/2021	2	MKAG 1153	Fluvial Hydraulics	3	4
2020/2021	1	MKAG 1123	Hydraulic Structures	3	3
2019/2020	1	MKAG 1123	Hydraulic Structures	3	6
2018/2019	1	MKAG 1123	Hydraulic Structures	3	5
2017/2018	1	MKAG 1123	Hydraulic Structures	3	3
2016/2017	1	MKAG 1123	Hydraulic Structures	3	3
Total credits				30	32

SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	0
Co-Supervisor – PhD (Graduated)	1
Main Supervisor – PhD (Ongoing)	1
Co-Supervisor – PhD (Ongoing)	2
Main Supervisor- Master by Research (Graduated)	0
Main Supervisor- Master by Research (On-Going)	3
Main Supervisor- Master by Taught Course (Graduated)	4
Main Supervisor- Master by Taught Course (On-Going)	0
Main Supervisor- Master by Mixed-Mode (Graduated)	4
Main Supervisor- Master by Mixed-Mode (On-Going)	0

PhD Student

No.	Name	No. Matric	Status (Graduated/ On-Going)	Title	Roles of Supervision
1	Wan Nor Afiqa binti Wan Mustafah Kamal	PKA223008	On-going	Hydrodynamics of Saltwater Intrusion in Mobile and Non-mobile Bed Meandering Channels	Co-supervisor
2	Mohd Zulhairi bin Mat Salleh	PKA183017	On-going	The formation and influence of sandbars due to varying of flow in vegetated channels	Main supervisor
3	Canarisa Nipi Anak Ah Lian	PKA183019	On-going	Development Of Porous Curbs System to Reduce Hydroplaning	Co-supervisor
4	Mazlin bte Jumain	PA120021	Graduated	Flood hydraulics in riparian vegetated mobile and non-mobile bed straight channels	Co-supervisor

MSc. Student

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	MODE (RESEARCH / TAUGHT-COURSE/ MIXED MODE)	ROLES OF SUPERVISION
1	Azanni Nur Izzati binti Jamaludin	MKA223001	On-going	Interaction Profiles of Saline and Freshwater in Mobile and Non-mobile Bed Meandering Channels	Research	Co-supervisor
2	Siti Nurhayati binti Mohd Ali	2021827016 (UiTM Shah Alam)	On-going	Meandering estuarine salinity \- freshwater mixing component under various mass influent through physical model	Research	Co-supervisor
3	Muhamad Effandi bin Mohd Shariff	MKA193004	Withdrew	Hydraulics and morphodynamics of a straight river	Research	Main supervisor
4	Nurdalina Syuhada binti Zulkifli	MKA191026	Graduated	Hydraulics and Morphodynamics Modelling of Sand Bed Straight Channel	Mixed Mode/Taught Course	Main supervisor
5	Muhamad Anwar bin Ramzan	MKA171010	Graduated	Evaluation Of Hydraulic Conductivity On Porous Concrete For Urban DrainageApplication	Mixed Mode/Taught Course	Co-supervisor
6	Omed Mohammed Pirot	MKA191042	Graduated	The Influence of Channel Bed Rectangular Configuration on Sediment Transportation	Mixed Mode/Taught Course	Main supervisor
7	Nurul Husna Rasyiqah binti Rashdan	MKA201073	Graduated	The Hydraulics and Morphodynamics of Inbank Flow in a Sand Bed Meandering Channel	Mixed Mode/Taught Course	Main supervisor

UTM POSTGRADUATE EXAMINATION/ VIVA

Summary	
PhD Internal Examiner	0
MSc. Internal Examiner	1
Fast Track student examiner	0
Others Examiner	6

PhD Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR

MSc Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Internal Examiner	Siti Aimi Asyarah binti Zakaria	Flow Mechanisms of Multiple Off-takes Branching Channel through Computational Fluid Dynamics	2023

Fast Track Student Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR

Others Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Proposal Evaluator	Muhammad Fahmi bin Arifin (MKAW)	Flow and Morphology in a Bifurcation Channel	2022
2	Proposal Evaluator	Norashiekin binti Khalid (PhD)	Hydrodynamic and Microplastic Transport in West Johor Straits	2021
3	Proposal Evaluator	Nur Athirah binti Mohamad (PhD)	Soil Erosion Rates for Different Landuse in a Tropical Region	2018
4	Proposal Evaluator	Mohamad Faizal bin Ahmad (PhD)	Flow Field of Vertical Axis Bioinspired Tidal Turbine	2018
5	Proposal Evaluator	Najeebulla Khan (PhD)	Forecasting Meteorological	2017

			and Hydrological Extremes in the Context of Climate Change	
6	Proposal Evaluator	Zafar Iqbal (MKAW)	Climate Variability and Changes in Northern Region of Pakistan	2017

EXTERNAL EXAMINATION/ VIVA

Summary	
PhD. External Examiner	0
MSc. External Examiner	1
Others Examiner	0

MSc External Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	External Examiner	Sarah Alia binti Md Wakif (USM)	Hydraulic Performance Assessment on Surface and Sub-surface Drainage Systems: A Case Study of Butterworth-Kulim Expressway	2021

Fast track student examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR

PUBLICATIONS

Summary	
ISI Article/Journal	3
Scopus Article/Journal	22
Non-Indexed Article/Journal	20
Indexed Conference Proceedings	2
Non-Indexed Conference Proceedings	38
Book Chapters	9
Original Book	2
Classified/Technical /Expert Report	32
Policy Paper	0

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN	Vol.	Issues	Page	Publication year	IF	Type of Publication	Category of Publication	Quartile Ranking	Corresponding Author	UTM First Author	Co-author	Role
1	ISI Article /Journal Heavy metals from different land use soil in the capital of ancient Pundranagar, Bangladesh: a preliminary study for ecological risk assessment.	Chemistry and Ecology		38	8		2022	2.48	ISI Article	ISI Journal	Q1	M.S. Islam	Z. Ismail	M.H. Jamal, Z. Ibrahim , M.Jumain, & A.M. Idris	Co-Author
2	Hydraulic and morphological patterns in a riparian vegetated sandy compound straight channel.	IOP Conf. Series: Earth and Environmental Science	012036	646	1		2021		ISI Article	IOP Publishing		M Jumain	M Jumain	Z Ibrahim , Z Ismail, M H Jamal, M F A Rashid, M Z M Salleh	Co-Author
3	Velocity Structure of Density Currents Propagating over Rough Beds.	MDPI Water	2073-4441	13	1460	1-16	2021	3.530	ISI Article	ISI Journal	Q1	Reza Nasrollahpour	Mohamad Hidayat Jamal	Zulhilmi Ismail, Zulkiflee Ibrahim , Mazlin Jumain, Mohd Ridza Mohd Haniff	Co-Author

														ah and Daeng Siti Maimunah Ishak	
1	Scopus Article/Journal The Influence of Vegetated Alternate Bar on Flow Resistance in an Alluvial Straight Channel.	Springer Nature	2366-2557	293		167-176	2023		Scopus Article	Lecture Notes in Civil Engineering		M. Z. M. Salleh	Z. Ibrah m	, R. Saari, M. E. Mohd Sharif f, and M. Jumai n	Co-Autho r
2	Permeability and Mechanical Properties of Pervious Concrete Curb with Different Aggregate Sizes	Springer Nature	2366-2557	293		195-208	2023		Scopus Article	Lecture Notes in Civil Engineering		C. N. A. Lian	M. H. Jamal	Z. Ibrah m	Co-Autho r
3	Spatio-Temporal Patterns of Saltwater Intrusion in A Narrow Meandering Channel	International Journal of Integrated Engineering	2229-838X	14	9		2022		Scopus Article	Scopus Journal		Mazlin Jumain,	Mazlin Jumain,	Zulkif lee Ibrah m , Md Ridzu an Makhtar, Roslee Ishak, Nurfa rhain Moha	Co-Autho r

														med Rusli, Mohd Zulkhairi Mat Salleh.	
4	Experiment on fundamental behaviours of wavelength and height of vegetated alternate bar in river	IOP Conf. Series: Earth and Environmental Science	012037	646	1		2021		Scopus Article	Scopus Journal		Mohd Zulkhairi Mat Salleh	Zulkifle Ibrahim	Radzuan Saari, Mazlin Jumain, Zulhilmi Ismail	Co-Autho r
5	Hydraulic and morphological patterns in a riparian vegetated sandy compound straight channel	IOP Conf. Series: Earth and Environmental Science		646	012037		2021		Scopus Article	Scopus Journal		M Jumain	M Jumain	Z Ibrahim , Z Ismail, M H Jamal, M F A Rashid, M Z M Salleh	Co-Autho r
6	Non-Flooding and Flooding Characteristics of a Natural Straight River	IOP Conf. Series: Materials Science and Engineering		1144	012050		2021		Scopus Article	Scopus Journal		Z Ibrahim	Z Ibrahim	M F Abd Rashid, M Jumain, R Sa'ari, N Alias, M H Jamal and A	Co-Autho r

														Abu Bakar	
7	Vibration Impact on Penetration of Light Non-Aqueous Phase Liquid in Double-Porosity Laterite Soil	IOP Conf. Series: Earth and Environmental Science	012032	646.	1		2021		Scopus Article	Scopus Journal		M F A Rashid	N Alias	K Ahmad, R Sa'ari, M Z Ramli, M I Shahrin, and Z Ibrahim	Co-Autho r
8	Simulation of Flow Profile Response to Alternate Bar Formation in Rivers	Proceedings of AICCE'19, Springer Nature		53	1	1209 - 1218	2020		Scopus Article	Lecture Notes in Civil Engineering		Mohd Zulkhairi Mat Salleh	Zulkiflee Ibrahim	Mazlin Jumain, Radzuan Saari, Muhammad Farid Muhammad Fathullah, Zulhilmi Ismail and Muhammad Hidayat Jamal	Co-Autho r
9	Road Traffic Noise Assessment at Sekolah Kebangsaan	Proceedings of AICCE'19, Springer Nature		53	1	1257 - 1264	2020		Scopus Article	Lecture Notes in Civil Engineering		N. A. M. Saip	Z. Ibrahim	H. Halim, A. H. Salle	Co-Autho r

	Sungai Bakap, Sungai Bakap, Penang, Malaysia.													h, A. Z. Amiruddin	
10	The Hydraulics and Morphodynamics of a Flooded Meandering Channel	Proceedings of AICCE'19, Springer Nature		53		1459 - 1472	2020		Scopus Article	Lecture Notes in Civil Engineering		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Radzuan Saari, Mazlin Jumain, Muhammad Nazmi Akmal Masri, Muhammad Afiq Md. Aris,	Main Author
11	Hydrocarbon Penetration in Multi-Porosity Soil	IOP Conf. Series: Earth and Environmental Science		494	012007	1-10.	2020		Scopus Article	Scopus Journal		M F A Rashid	N Alias	K Ahmad, R Sa'ari, M Z Ramli, M I Shahrin, and Z Ibrahim	Co-Author
12	Migration of hydrocarbon liquid in unsaturated laterite soil with dissimilar volume and	IOP Conf. Series: Earth and Environmental Science		494	012110	1-10.	2020		Scopus Article	Scopus Journal		M F Abd Rashid	N Alias	K Ahmad, R Sa'ari, M Z Ramli, Z	Co-Author

	moisture content.													Ibrahim and M I Shahrin	
13	Depth-averaged Modelling of Vegetated Meandering Compound Channel	IOP Conference Series: Earth and Environmental Science		220		1-12	2019		Scopus Article	Scopus Journal		Shukor Lim, A.H	Ismail, Z	Jamal , M.H., Ibrahim, Z. , Jumain, M	Co-Autho r
14	Investigation on the Valiantzas evaporation models for Peninsular Malaysia.	J. of Urban and Environmental Engineering		13	1	174-182	2019		Scopus Article	Scopus Journal		Sobri Harun	Sobri Harun	Nur Farah Atiqah Ahmad, Sobri Harun , Haza Nurly Abdul Hamed, Muhammad Askari, Zulkiflee Ibrahim , Muhammad Nassir Hani pi and Md Hazrat Ali.	Co-Autho r

15	Deformable unsaturated lateral soil under vibration impact with dissimilar moisture content	IOP Conference Series: Material Science and Engineering		527	1	1-10	2019		Scopus Article	Scopus Journal		M F A, Rashid	N Alias	K Ahma d, R Saari, M Z Ramli and Z Ibrahi m	Co-Autho r
16	Depth-averaged modelling of vegetated meandering compound channel.	IOP Conference Series: Earth and Environmental Science		220	1	1-10	2019		Scopus Article	Scopus Journal		A Lim	Z Ismail	M H Jamal , Z Ibrahi m and M Jumai n	Co-Autho r
17	Vibration impact towards deformable laterite soil with different moisture content	IOP Conference Series: Earth and Environmental Science		220	1	1-10	2019		Scopus Article	Scopus Journal		M F A, Rashid	N Alias	K Ahma d, M Z Ramli and Z Ibrahi m	Co-Autho r
18	Influence of riparian vegetation on flow resistance in mobile bed straight compound channels.	Journal of Physics: Conf. Series		1049.	012027	1-10	2018		Scopus Article	Scopus Journal		M Jumain	Z Ibrahi m	Z Ismail , K Ental ai, M R Makht ar, M S A Rahm an and N Alias.	Co-Autho r
19	Flood hydraulics due to emergent vegetation along a	Jurnal Teknologi		78	9-4	99-107	2016		Scopus Article	Scopus Journal		Ibrahim, Z	Ibrahi m, Z	Ismail , Z., Harun , S., Shion o, K.,	Main Autho r

	riparian zone in meandering channels													Zuki, N. M., Makhtar, M. R., Jumain, M., Abd. Rahman, M. S. & Jamal, M. H	
20	Fluvial processes in compound straight channels: a laboratory investigation	J. Teknologi		78	7	141-148.	2016		Scopus Article	Scopus Journal		M Jumain	Z Ibrahi m	Zulhilmi Ismail, Md Ridzuan Makhtar, Mohd Suhaimi Abd Rahman,	Co-Autho r
21	Flood Flow Characteristics and Bed Load Transport in Non-vegetated Compound Straight Channels	J. Teknologi.		78	9-4	1-8	2016		Scopus Article	Scopus Journal		M Jumain	Z Ibrahi m	Zulhilmi Ismail, Mohd Fuad Shamudin, Muhd Zubair Tajol Anuar, Sobri Harun, Md Ridzu	Co-Autho r

														an Makhtar and Mohd Suhaimi Abd Rahman.	
22	Rainfall parameters and distribution using analytical probabilistic method for Klang Valley, Malaysia	J. Fundamental Renewable Energy Appl.		5	6	1-12	2015					Supiah Shamsudin	Supiah Shamsudin	Hazwani Nadia Hassan, Azmi Ab Rahman, Shamsuddin Shahid and Zulkiflee Ibrahim.	Co-Author
1	Non-Indexed Article/Journal Hydraulics and Morphodynamics of Inbank Flow in a Meandering Channel	7th Proceeding of Civil Engineering . Faculty of Civil Engineering , UTM			7	22-33	2022	Article	Non-Indexed Article/Journal		Mazlin Jumain	Mazlin Jumain	Wan Nor Afika Wan Mustafah Kamal, Zulkiflee Ibrahim, Radzuan	Co-Author	

														Sa'ari 1, Md Ridzu an Makht ar	
2	Performance of Porous Media Sublayers in an Infiltrated Drainage System.	5th Proceeding of Civil Engineering . Faculty of Civil Engineering , UTM	2756-8970		5	72-82	2020.		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Fenny Base ng, Abdul Hadi Mohd Subki , Amat Sairin Demu n, Mazli n Jumai n.	Co-Autho r
3	Application of NAYS2DH for Flood Modelling in a Meandering River..	4th Proceeding of Civil Engineering . Faculty of Civil Engineering , UTM			4	1-8	2019		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Nurda lina Syuh ada Zulkifli, Mazli n Jumai n, Radz uan Sa'ari , Effan di Sharif f and Mohd Zulkh airi Mat	Co-Autho t

														Salleh	
4	The Effectiveness of Integrating Infiltration Approach into a Drainage System.	4th Proceeding of Civil Engineering . Faculty of Civil Engineering , UTM. 1-8.			4	1-8	2019		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Raihanur Ramli , Abu Bakar Fadzil , Mazlin Jumain, Noor Zeehan Hamzah, Mohd Faiz Noor Ezat,	Co-Autho r
5	Flood flow behavior in riparian vegetated sandy bed channel	Malaysia Water Research Journal. NAHRIM		9	1	6-15	2019		Article	Non-Indexed Article/Journal		Mohamad Hidayat Jamal	Mohamad Hidayat Jamal	Mazlin Jumain, Zulhilmi Ismail and Zulkiflee Ibrahim	Co-Autho r
6	Influence of Rainfall Characteristics on Total Suspended Solid Concentration	Journal of Physics: Conf. Series		1049	012039		2018		Article	Non-Indexed Article/Journal		N Alias	N Alias	N A Zuraini , N Abd Rahman, S Harun , Z Ibrahim ; S Azma	Co-Autho r

														n; and M Jum	
7	Hydraulic and mechanic of vegetated natural compound meandering channel	2nd Proceeding of Civil Engineering . Faculty of Civil Engineering , UTM	978-967-2171-06-5	2		157-164.	2017		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Muhammad Nazmi Akmal Masri	Co-Autho r
8	Hydraulic and mechanic of non-vegetated natural compound meandering channel.	2nd Proceeding of Civil Engineering . Faculty of Civil Engineering , UTM	978-967-2171-06-5	2		165-171	2017		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Muhammad Afiq Md Aris	Co-Autho r
9	Modification and Testing of Bed Sediment Samplers.	2nd Proceeding of Civil Engineering . Faculty of Civil Engineering , UTM	978-967-2171-06-5	2		172-178	2017		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Hami dah Abdul Hamid	Co-Autho r
10	Transportation of bed load and its formation for inbank flow: a physical modelling approach	Malaysian J. of Civil Engineering		27	2	337-351	2015		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Mazlin Jumain, Zulhilmi Ismail , Sobri Harun , Md Ridzuan Makhtar, Mohd Suhai	Co-Autho r

													mi Abd Rahm an, Nor Atiah Zaini, Mohd Fuad Sams udin and Muhd Zubai r Tajol Anuar		
11	Influence of Two-line Emergent Floodplain Vegetation on A Straight Compound Channel Flow.	Int. J. of Integrated Engineering		5	1	58-63	2013		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Mazlin Jumain, Zulhilmi Ismail, Nur Hartini Ibrahim, Md Ridzuan Makhtar and Mohd Rafique Nordin	Co-Author
12	Scour investigation around single and two piers side by side arrangement.	IJRET: International Journal of Research in Engineering		2	10	459-465	2013		Article	Non-Indexed Article/Journal		Zulhilmi Ismail	Zulhilmi Ismail	Mazlin Jumain, Faridah	Co-Author

		and Technology											Jaafar Sidek, Ahmad Khairi Abd Wahab, Zulkiflee Ibrahim and Mohamad Hidayat Jamal		
13	Sediment phosphorus loadings uncertainty using fuzzy-logic in detention pond at southern Malaysia.	ISRJ: Indian Streams Research Journal		3	3	1-9	2013		Article	Non-Indexed Article/Journal		Supiah Shamsudin	Supiah Shamsudin	Muhammad Adam Omar, Mohd Azizi Zakaria, Azmi Ab Rahman, Zaiton Haron, Zulkiflee Ibrahim	Co-Autho r
14	Sediment Transport Rate and Bed Formation in	Global J. of Environmental Research		7	3	40-44	2013		Article	Non-Indexed Article/Journal		Zulhilmi Ismail	Zulhilmi Ismail	Mazlin Jumain,	Co-Autho r

	Straight Compound Channels.													Zulkiflee Ibrahim and Nur Atiah Zaini.	
15	Experimental investigation on behaviour of cross-flow thermal effluent discharge in free surface flow..	Malaysian J. of Civil Engineering		21	1	82-97	2009		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Ab. Aziz Abd Latiff, Noor Baharim Hashim, Herni Halim, Nurul Hana Mokhtar Kamal & Nuryazmeen Farhan Haron	Main Author
16	2008. Experimental studies on mixing in a salt wedge estuary	Malaysian J. of Civil Engineering		20	2	188-199	2008		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Ab. Aziz Abd Latiff, Azrul Hanif Ab Halim, Norlela Abu Bakar and Sivad	Main Author

														as Subra mania m	
17	Cross Flow Effluent Discharge in Diverging Flowing Ambients	Jurnal Sains dan Teknologi, Kolej Universiti Teknologi Tun Hussein Onn, Batu Pahat		10	1	13-18	2003		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Ab. Aziz Abd Latiff, Shujatullah Sheikh. Izzat & Selva Ramani	Main Author
18	Pelepasan Efluen Searah Dengan Aliran Ambien Dalam Saluran Terbuka : Kajian Makmal	Jurnal ITTHO		12	1	1-10	1998		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	Ab Aziz Abd Latiff & Mohammed Ridwan Jahidin	Main Author
19	Impacts of River Diversion into An Impoundment	Jurnal Kejuruteraan Awam, Universiti Teknologi Malaysia		7	1	19-27	1994		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	-	Main Author
20	Mass Transport in Water Systems,.	Buletin Institusi Jurutera Malaysia		7		19-21	1994		Article	Non-Indexed Article/Journal		Zulkiflee Ibrahim	Zulkiflee Ibrahim	-	Main Author

NO.	TYPE	TITLE	YEAR	AUTHOR(S)
1	Indexed Proceedings/ Conference	Impact of vibration on double-porosity unsaturated laterite soil with different water contents.	2019	Abd Rashid, Mohd Fadhli, Noraliani Alias, Kamarudin Ahmad, Radzuan Saari, Mohd Zamri Ramli and Zulkiflee Ibrahim
2	Indexed Proceedings/ Conference	Prediction of bed profile due to complexity of sediment properties in the channel	2018	M.Z.M. Salleh, A.C. Hasan, N. Nasir, Z. Ibrahim and M. Jumain.
1	Non-Indexed Proceedings/ Conference	Sustainable Infiltrated Drainage System with Porous Sublayer Modules	2022	Zulkiflee Ibrahim , Mazlin Jumain, Fenny Anak Baseng, Abdul Hadi Mohd Subki, Nor Zehan Hamzah, Ezat Faiz, Md Ridzuan Makhtar, Roslee Ishak, Nur-farhain Mohamed Rusli
2	Non-Indexed Proceedings/ Conference	Spatio-Temporal Patterns of Saltwater Intrusion in A Narrow Meandering Channel.	2022	Mazlin Jumain, Zulkiflee Ibrahim , Md Ridzuan Makhtar, Roslee Ishak, Nurfarhain Mohamed Rusli, Mohd Zulkhairi Mat Salleh
3	Non-Indexed Proceedings/ Conference	Non-Flooding and Flooding Characteristics of a Natural Straight River	2020	Abd Rashid M.F., Ibrahim Z. , Jumain M., Sa'Ari R., Alias N., Jamal M.H, Abu Bakar A

4	Non-Indexed Proceedings/ Conference	Hydraulics and morphological patterns in a riparian vegetated sandy compound straight channels	2020	Jumain M., Ibrahim Z. , Ismail Z., Jamal M.H., Rashid M.F.A., Salleh M.Z.M, Shariff M.E.M and Zulkifli N.S.
5	Non-Indexed Proceedings/ Conference	Experimental and Computational Studies on the Flood Hydraulics in a Riparian Vegetated Straight River	2020	Jumain M., Ismail Z., Ibrahim Z. , Jamal M.H., Mat Salleh M.Z., Rashid M.F.A., Alias N.
6	Non-Indexed Proceedings/ Conference	Investigation of Light Non-Aqueous Phase Liquid Penetration in Double-Porosity using Physical Experiment and Computer Simulation	2020	Abd Rashid M.F., Alias N., Ahmad K., Sa'Ari R., Tsai F.T.C, Ramli M.Z., Ibrahim Z. , Jumain M., Jamal M.H, Abu Bakar A. and Shahrin M.I
7	Non-Indexed Proceedings/ Conference	The Hydraulics and Morphodynamics of a Flooded Meandering Channel	2019	Zulkiflee Ibrahim , Radzuan Saari, Mazlin Jumain, Muhammad Nazmi Akmal Masri, Muhammad Afiq Md Aris, Nur Atila Amzah, Md Ridzuan Makhtar, Nurfahain Mohamed Rusli, Abu Bakar Fadzil, Noraliani Alias, Amat Sairin Demun and Nor Suhaila Rahim.
8	Non-Indexed Proceedings/ Conference	Efficient and environmentally friendly drainage system for urban stormwater control	2018	Z. Ibrahim , A.B. Fadzil, A.S. Demun, M. Jumain and N.M. Rusli.

9	Non-Indexed Proceedings/ Conference	The Prediction of Bed Profile Due To Complexity of Sediment Properties in the Channel	2018	Mohd Zulkhairi Mat Salleh, Asmawati Che Hasan, Nazri Nasir, Zulkiflee Ibrahim , Zulhilmi Ismail, Mazlin Jumain
10	Non-Indexed Proceedings/ Conference	Impact of Vibration on Double-Porosity Unsaturated Laterite Soil with Different Water Contents	2018	Mohd Fadhli Abd Rashid, Noraliani Alias, Kamarudin Ahmad, Radzuan Sa'ari, Mohd Zamri Ramli and Zulkiflee Ibrahim
11	Non-Indexed Proceedings/ Conference	Flood Flow Behaviour In Riparian Vegetated Sandy Bed Channel	2018	Jumain, M., Ibrahim, Z. , Ismail, Z., Jamal, M.H.
12	Non-Indexed Proceedings/ Conference	The application of digital close range photogrammetry for monitoring changes in channel profile	2016	Faezal Norizan, Mohd Fadhli Abd Rashid, Nurul Liyana Roslan, Radzuan Saari, Zulkiflee Ibrahim , Mushairry Mustaffar and Muhammad Azril Hezmi
13	Non-Indexed Proceedings/ Conference	Hydraulics and flood flow structures of riparian-vegetated meandering channels.	2015	Z. Ibrahim , Z. Ismail, S. Harun, K. Shiono, N. M. Zuki, M. R. Makhtar, M. S. A. Rahman and M. H. Jamal.
14	Non-Indexed Proceedings/ Conference	Flume Scaled Investigation on Flood Flow and Bed Load Transport in River Systems.	2015	M. Jumain, Z. Ismail, Z. Ibrahim , S. Harun, N. A. Zaini, N. S. Miran, S. S. Md Khairi, M. R. Makhtar and M. S. Abd Rahman

15	Non-Indexed Proceedings/ Conference	Flume investigations on bed load transport and bed forms in simple channels	2014	Mazlin Jumain, Zulkiflee Ibrahim , Zulhilmi Ismail, Sobri Harun, Md Ridzuan Makhtar, Mohd Suhaimi Abd Rahman, Nur Atiah Zaini, Mohd Fuad Samsudin and Muhd Zubair Tajol Anuar.
16	Non-Indexed Proceedings/ Conference	Hydrodynamic simulation of Kelantan River bank erosion and channel changes during heavy floods	2014	Z.M, Yusof, S. Amerudin, Z. Ibrahim
17	Non-Indexed Proceedings/ Conference	Influence of Two-line Emergent Floodplain Vegetation on A Straight Compound Channel Flow	2012	M. Jumain, Z. Ibrahim , Z. Ismail, N. H. Ibrahim, N. M. Kalimuddin, M. R. Makhtar and M. R. Nordin
18	Non-Indexed Proceedings/ Conference	Flood flow characteristics in non-vegetated meandering channel: A flume simulation	2012	Z. Ibrahim , Z. Ismail, S. Harun, N. M. Kalimuddin, M. R. Makhtar and T. N. H. T. Yunus
19	Non-Indexed Proceedings/ Conference	Influence of emergent rods on flow in a rectangular straight channel	2012	M.F. Mazuki, Z. Ismail, Z. Ibrahim , M. H. Jamal and A. H. A. Shukor Lim
20	Non-Indexed Proceedings/ Conference	Flood flow characteristics in vegetated straight channels: Physical models observations	2012	Z. Ibrahim , M. F. Mazuki, Z. Ismail, M. Jumain, N. H. Ibrahim, S. Harun and A. Katimon
21	Non-Indexed Proceedings/ Conference	Inbank and overbank flows characteristics in a non-vegetated meandering channel	2011	Zulkiflee Ibrahim , Zulhilmi Ismail and Sobri Harun.

22	Non-Indexed Proceedings/ Conference	The influence of one-line emergent floodplain vegetation on overbank flow characteristics in a straight channel	2010	Zulhilmi Ismail, Zulkiflee Ibrahim , Mohd Fauzi Mazuki, Sobri Harun, Siti Aishah Abdullah and Wan Norehan Wan Mamat
23	Non-Indexed Proceedings/ Conference	Flow characteristics in straight compound channels with vegetated floodplain	2009	Zulhilmi Ismail, Zulkiflee Ibrahim , Sobri Harun and Mohd Fauzi Mazuki
24	Non-Indexed Proceedings/ Conference	Impact of Industrial Effluent Discharge on Water Quality surrounding Sri Gading Industrial Zone, Batu Pahat, Johor, Malaysia.	2009	Ab. Aziz, Chan Tee Hiang, Zulkiflee Ibrahim
25	Non-Indexed Proceedings/ Conference	An experimental study on the flow characteristics in straight compound channels	2009	Zulkiflee Ibrahim , Zulhilmi Ismail, Sobri Harun, Koji Shiono, Mohd Fauzi Mazuki, Mohd Azizi Abdul Aziz and Normazwan Shah Anas
26	Non-Indexed Proceedings/ Conference	Intratidal study on salinity characteristics of Pulai River estuary	2007	Zulkiflee Ibrahim , Noor Baharim Hashim, Eddi Zaimie Romli, Syahida Omar and Nurul Syafawati Mohamed Arshad
27	Non-Indexed Proceedings/ Conference	Investigation of Effluent Water Quality Surrounding Sri Gading Industrial Zone, Batu Pahat, Johor	2007	Ab. Aziz Abdul Latiff, Zulkiflee Ibrahim and Siti Nurulhuda Mohd Imran
28	Non-Indexed Proceedings/ Conference	An experimental study on the effect of resisting structures along the river banks to mixing in saline-wedge estuary	2007	Zulkiflee Ibrahim , Ab. Aziz Abdul Latiff, Sivadas Subramaniam, Syahida Omar

				and Nurul Shafawati Mohamed Arshad
29	Non-Indexed Proceedings/ Conference	A Laboratory Investigation on Mixing in a Salt Wedge Estuary with a Presence of Deep Channel	2006	Zulkiflee Ibrahim , Ab Aziz Abdul Latiff, Azrul Hanif Ab Halim and Norlela Abu Bakar.
30	Non-Indexed Proceedings/ Conference	Temporal and Spatial Hydrodynamic Tidal Characteristics in Pulai River Estuary, Johor, Malaysia : A Preliminary Study,	2005	Zulkiflee Ibrahim , Noor Baharim Hashim and Mohd Noor Naina Mohamed
31	Non-Indexed Proceedings/ Conference	Laboratory Investigation on Thermal Discharge in Open Channel Flow,	2005	Afidah Murni Sakri, Rosaneeza Ramli, Zulkiflee Ibrahim , Ruzanna Ahmad Zahir and Rosmunira Zulkaffli
32	Non-Indexed Proceedings/ Conference	Baseline Study of Water Quality in Skudai River Estuary	2004	Noor Baharim Hashim, Rashidah Md Hassan, Razali Ismail, Chua Lee Hwa, Maznah Ismail, Zulkiflee Ibrahim and Anie R.A. Malek
33	Non-Indexed Proceedings/ Conference	Road Surface Runoff Pollution in Western and Southern Johor	2003	Ab Aziz Abdul Latiff, Zulkiflee Ibrahim , Zawawi Daud, Azhari Malim Jaafar and Ting Tiew Whong
34	Non-Indexed Proceedings/ Conference	A Study on Effluent Discharge in Diverging Open Channel Flow	2002	Zulkiflee Ibrahim , Ab Aziz Abd Latiff, Ahmad Tarmizi Abd. Karim and Selvem Raman

35	Non-Indexed Proceedings/ Conference	Managing Nonpoint Source Pollution Through Best Management Practices,	2002	Ahmad Tarmizi Abd. Karim, Ab Aziz Abd Latiff and Zulkiflee Ibrahim
36	Non-Indexed Proceedings/ Conference	River Water Quality Modeling Using QUAL2E,	2001	Ab Aziz Abd Latiff, Ahmad Tarmizi Abd. Karim , Zawawi Daud and Zulkiflee Ibrahim
37	Non-Indexed Proceedings/ Conference	Sediment Transport and Water Quality of Sungai Batu Pahat	1999	Ab Aziz Abd Latiff, Zulkiflee Ibrahim , Ahmad Tarmizi Abd. Karim, Mohd Shahrin Hashim and Kamarudin Yunus
38	Non-Indexed Proceedings/ Conference	Experimental Study of Effluent Disposal in Uniform Open Channel Flow,	1996	Zulkiflee Ibrahim and M.H. Abdul Khader
1	Thesis	Flow behaviour due to floodplain roughness along riparian zone in compound channels (PhD Thesis)	2015	Zulkiflee Ibrahim
2	Thesis	Modelling Environmental Hydraulic Impacts of Stormwater Diversion in Batu Pond, Kuala Lumpur (M.Eng. dissertation)	1993	Zulkiflee Ibrahim
1	Book Chapter	The Influence of Vegetated Alternate Bar on Flow Resistance in an Alluvial Straight Channel	2023	M. Z. M. Salleh, Z. Ibrahim , R. Saari, M. E. Mohd Shariff, and M. Jumain
2	Book Chapter	Permeability and Mechanical Properties of Pervious Concrete Curb with Different Aggregate Sizes.	2023	C. N. A. Lian, M. H. Jamal, and Z. Ibrahim
3	Book Chapter	Infiltrated Sustainable Urban Drainage System for Stormwater Control	2021	Zulkiflee Ibrahim , Abu Bakar Fadzil, Amat Sairin Demun, Mazlin Jumain, Md Ridzuan Makhtar, Noraliani Alias,

				Nurfahain Mohamed Rusli and Fenny Baseng
4	Book Chapter	Liquid Non-Aqueous Phase Liquid penetrations in Multi- Porosity Soil	2021	Mohd Fadhli Abd Rashid, Noraliani Alias, Kamarudin Ahmad, Radzuan Saari, Frank Tsung, Mohd Zamri Ramli and Zulkiflee Ibrahim
5	Book Chapter	Simulation of Flow Profile Response to Alternate Bar Formation in Rivers.	2020	Mohd Zulkhairi Mat Salleh, Zulkiflee Ibrahim , Mazlin Jumain, Radzuan Saari, Muhammad Farid Muhammad Fathullah, Zulhilmi Ismail and Muhammad Hidayat Jamal
6	Book Chapter	The Hydraulics and Morphodynamics. of a Flooded Meandering Channel.	2020	Zulkiflee Ibrahim , Radzuan Saari, Mazlin Jumain, Muhammad Nazmi Akmal Masri, Muhammad Afiq Md. Aris, Nur Atila Amzah, Md. Ridzuan Makhtar, Nurfahain Mohamed Rusli, Abu Bakar Fadzil, Noraliani Alias, Amat Sairin Demun and Nor Suhaila Rahim

7	Book Chapter	Road Traffic Noise Assessment at Sekolah Kebangsaan Sungai Bakap, Sungai Bakap, Penang, Malaysia	2020	N. A. M. Saip, H. Halim, A. H. Salleh, A. Z. Amiruddin, and Z. Ibrahim
8	Book Chapter	Laboratory Investigation of Co-flow and Cross-flow Thermal Effluent Discharges in Open Channel Flow. Problem Solving Through Experimental Hydraulics	2008	Zulkiflee Ibrahim
9	Book Chapter	Flow Experimental Studies on Mixing in Salt Wedge Estuary. Problem Solving Through Experimental Hydraulics	2008	Zulkiflee Ibrahim
1	Classified/Technical/Expert Reports	Pelan Pengurusan Lembangan Sungai Bersepadu (IRBM) Sungai Sedeli Besar, Johor	2021	M.H. Jamal, S. Azman, Z. Ibrahim , M. Jumain and K. A. Mohd Nassir
2	Classified/Technical/Expert Reports	The Role of Sediment Source on Erosion and Sedimentation at Coastal Zone for Potential Development of Innovative Shoreline Protection and Preservation System	2021	M.H. Jamal, A. K. Abd Wahab, Z. Ismail, I. K. Othman, E. H. Kasiman, D. S. M. Ishak, N. S. Rahim, S. Azman, Z. Ibrahim , R. Sa'ari, M. R. M. Haniffah, N. Alias, M. Jumain
3	Classified/Technical/Expert Reports	Numerical Model Study on The Physical Model of Ringlet Reservoir, Cameron Highlands	2020	Jamal, M.H., Rahim N.S., Kasiman E.H., Mohd Haniffah M.R., Ishak D.S.M., Mustaffar M., Sa'ari R., Ibrahim Z. , Ismail Z., Abd Wahab A.K
4	Classified/Technical/Expert Reports	Report on Independent Expert Review of Dredging and Disposal Works at Ringlet Reservoir in Cameron Highland	2019	Jamal, M.H., Kasiman E.H., Rahim N.S., Mustaffar M., Sa'ari R., Jumain M., Ibrahim Z.

5	Classified/Technical/Expert Reports	Experimental Study on Float Range Pole	2018	Jamal, M.H., Ibrahim, Z
6	Classified/Technical/Expert Reports	Physical Modelling of Inlet Control Structure in Sg. Segamat - Sg. Genuang Diversion Works	2015	Jamal, M.H., Ibrahim, Z. , Ismail, Z., Ros, A.M., Shukor Lim, A.H., Rahim, N.S., Jumain M.
7	Classified/Technical/Expert Reports	Flow mechanism in vegetated two-stage meandering fixed bed channel	2013	Zulhilmi Ismail, Sobri Harun and Zulkiflee Ibrahim
8	Classified/Technical/Expert Reports	Determination of flow characteristics in the vegetated straight compound channel	2012	Zulhilmi Ismail, Sobri Harun and Zulkiflee Ibrahim
9	Classified/Technical/Expert Reports	Flood water level influenced by trees and vegetation along the edge of floodplain in case of river flooding,	2011	Zulhilmi Ismail, Sobri Harun and Zulkiflee Ibrahim
10	Classified/Technical/Expert Reports	Hydraulic Study on Model and Prototype of Bouy Tidal Gate	2009	A. Katimon, Z. Ismail, Z. Ibrahim
11	Classified/Technical/Expert Reports	Determination of flow characteristics in the vegetated compound channels	2009	Zulhilmi Ismail, Sobri Harun and Zulkiflee Ibrahim
12	Classified/Technical/Expert Reports	Experimental investigation on the behaviour of thermal effluent in free surface flow	2008	Zulkiflee Ibrahim , Noor Baharim Hashim, Ab. Aziz Abdul Latiff, Herni Halim, Nurul Hana Mokhtar Kamal and Nuryazmeen Farhan Haron
13	Classified/Technical/Expert Reports	Performance of High Velocity in Flood-Prone Areas	2005	Noor Baharim Hashim, David H. Huddleston, Zulkiflee Ibrahim and Ng Boon Chong

14	Classified/Technical/Expert Reports	Pembentukan Pengkalan Data Hidrografi dan Permodelan Awalan Hidrodinamik Estuari Sungai Pulai, Johor	2001	Zulkiflee Ibrahim , Noor Baharim Hashim, Mohd Noor Naina Mohamed and Eddi Zaimie Romli
15	Classified/Technical/Expert Reports	Dispersion of Effluent in Open Channel Flow, An Article in Discovery: Research and Innovations in UTM, Research Management Centre	1999	Zulkiflee Ibrahim and Amir Hashim Mohd. Kassim
16	Classified/Technical/Expert Reports	Serakan Efluen di dalam Aliran Saluran Terbuka	1999	Zulkiflee Ibrahim , Amir Hashim Mohd Kassim, Fauziah Mohd Noor, Mohammed Ridzuan Jahidin and Zureena Abu Jamal
17	Classified/Technical/Expert Reports	Pembinaan Pintu Air Bermotor di Sg. Chat, Johor Bahru. Majlis Bandaraya Johor Bahru	1999	Mohd. Kassim, A.H., Ibrahim, Z
18	Classified/Technical/Expert Reports	Hydraulic Model Investigation on Proposed Beris Dam Spillway.	1999	Fakulti Kejuruteraan Awam, UTM
19	Classified/Technical/Expert Reports	Rehabilitation of Urban River Water Environment	1997	Zulkiflee Ibrahim , Ab Aziz Abd Latiff and Fauziah Mohd Noor
20	Classified/Technical/Expert Reports	Preliminary EIA for Residential, Light Industries and Commercial Development at Lots 71014 and 71016, Mukim Kangkar Pulai, Johor Bahru	1997	Hijau Sekitar Sdn. Bhd.
21	Classified/Technical/Expert Reports	Cadangan Ubah Syarat Tanah CT 10074 Lot 2274 - 2290, Mukim Mersing, Daerah Mersing, Johor	1997	Hijau Sekitar Sdn. Bhd.
22	Classified/Technical/Expert Reports	Preparing Baseline Drainage System and Hydrology Data for Macro EIA Study for the Proposed Coastal Reclamation of Kedah Darulama	1997	IPASA, UTM

23	Classified/Technical/Expert Reports	Application of Streeter-Phelp Dissolved Oxygen Model and Hydrologic Regime in a Preliminary EIA for a Proposed Mixed Township and Housing Development at Bandar Tenggara, Kulai, Johor	1997	IPASA, UTM
24	Classified/Technical/Expert Reports	Runoff and Soil Erosion Impact Study in a Floral Farm at Senai, Johor	1996	Hijau Sekitar Sdn. Bhd.
25	Classified/Technical/Expert Reports	Environmental & Coastal Resource Study for Sand Dredging off Pontian Coast in Mukim Serkat, Pontian, Johor	1996	Hijau Sekitar Sdn. Bhd.
26	Classified/Technical/Expert Reports	Preliminary EIA for Commercial and Light Industries Development at Lot 1453, Mukim Sedenak, Johor Bahru	1996	Hijau Sekitar Sdn. Bhd.
27	Classified/Technical/Expert Reports	Preliminary EIA for Mixed Development at Sg. Danga, Johor Bahru.	1996	Hijau Sekitar Sdn. Bhd.
28	Classified/Technical/Expert Reports	Hydrological component in the Preliminary EIA for "Cadangan Pembangunan Ladang Kelapa Sawit, Mukim Padang Endau, Mersing, Johor"	1995	IPASA, UTM
29	Classified/Technical/Expert Reports	Dilution Factor Study for Sungai Skudai	1995	IPASA, UTM
30	Classified/Technical/Expert Reports	Hydrological and Environmental Components in the Preliminary EIA for Land Reclamation and Development in Alai, Melaka	1995	IPASA, UTM
31	Classified/Technical/Expert Reports	Hydrological and Environmental Components in the Preliminary EIA for Mixed Development at Tanjung Leman, Mersing, Johor	1995	IPASA, UTM
32	Classified/Technical/Expert Reports	Hydrological and Environmental Components in the Preliminary EIA report for the proposed Kuala Baram Port, Miri, Sarawak	1994	IPASA, UTM

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

NO	ROLE	TITLE OF PROGRAMME	ORGANIZER	DATE	LOCATION
1	Chairperson	ICWR 2021	UTM & DID	25 Nov. 2021	UTMSPACE, Johor Bahru (online)
2	Invited Speaker	INTI's Research Symposium Series on Water & Environment 2021	INTI University	23 June 2021	(Online)
3	Invited Speaker	Disaster Risk Management	MJIIT UTMKL	24 May 2021	(Online)
4	Chairperson	ICWR 2018	UTM & DID	November 2018	Bayview Langkawi
5	Chairperson	ICWR 2015	UTM & DID	November 2015	Bayview Langkawi
6	Chairperson	ICWR 2012	UTM & DID	November 2012	Bayview Langkawi
7	Invited Speaker	Physical Modeling Application and Technologies (PHYMAT2012)	NAHRIM	12 September 2012	NAHRIM, Seri Kembangan

PROFESSIONAL SERVICES

Consultation and Training

NO	ROLE	TITLE OF PROGRAMME	ORGANIZER	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1	Trainer	Master in Disaster Risk Management (MMJD)	MJIIT, UTMKL	24-28 May. 21-24 June 2021	MJIIT, UTMKL	NA
2	Facilitator	Water Quality Modelling – QUAL2E	UTM	April 1993	UTMKL	NA

Entrepreneurship

NO	SPIN OFF COMPANY (UTM)	TOTAL INCOME GENERATED (RM) (Individual equity value based on audited company account in 3 years)
	Nil	

NO	1.HICOE MANAGEMENT/AGENCY 2. BOARD OF DIRECTOR OR 3. MANAGEMENT FOR CORPORATTION ENTITE	AVERAGE ACQUISITION IN 3 YEARS.
	Nil	

Community Project

NO	ROLE	NAME OF PROJECT	DATE	TOTAL VALUE OF PROJECT (RM)
1	Member	Meningkatkan Ekonomi Komuniti Setempat Melalui Pengurusan Konservasi Hutan Paya Laut	2021	20000
2	Member	Pemuliharaan Hidupan Liar-WWF, Malaysia	2000 – to date	240/year

Community and University Services

NO	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
1	Member	Alumni	2010 – to date	Community	SM Sultan Abdul Halim (Jenan), Jitra, Kedah
2	Comittee Member / Member	PIBG of SMK Taman Universiti, Skudai, Johor	2005 - 2020	Community	SMK Taman Universiti, Skudai, Johor
3	Comittee Member / Member	PIBG of SK Taman Sri Pulai, Skudai, Johor	2000 - 2015	Community	SK Taman Sri Pulai, Skudai, Johor
4	Member	Badan Kebajikan Staf	2017 – to date	Community	UTM
5	Member	Persatuan Kakitangan Akademik	2010 – to date	University	UTM
6	Member	Persatuan Penduduk Palas, Taman Teratai	1997 – to date	Community	Taman Teratai, Skudai, Johor
7	Member	Koperasi UTM Bhd.	1989 – to date	University	UTM
8	Member	Kelab Keluarga FKA	1989 – to date	University	FKA, UTM
9	Member	Persatuan Kebajikan Penduduk	1987 – to date	Community	Simpang Ampat, Seberang Perai

Endowment and Wakaf to University

NO	NAME OF ENDOWMENT AND WAKAF	TOTAL CONTRIBUTION (RM)
1	Zakat Johor - UTM	4800/year

2	Endowmen UTM	240/year
3	Wakaf Pendidkan UTMKL	360/year
4	Wakaf Sekolah Agama UTM	

Commercialisation

NO	ROLE	NAME OF PRODUCT COMMERCIALISATION	DATE	TOTAL INCOME GENERATED (RM)
	Nil			

Grant based on innovation and University Commercialisation Product

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	Nil							

Patent Granted and Filing

NO	NAME OF PATENT	STATUS OF PATENT	
1	Apparatus and Method for Investigating Behaviour of Thermal Effluent in Free Surface Flow of Water	Granted	MY-173002-A

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NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	
1	SKAB Curriculum for Bachelors Degree of Civil Engineering UTM	Registered	IP/CR/2019/0163
2	Anchor Type Bed Sediment Grab Samplers	Registered	IP/2019