



PERSONAL DETAILS

Name : Sheela A/P Chandren
 Gender : Female
 Date of Birth/Age : 09 October 1983
 Nationality : Malaysian
 Marital Status : Single
 Permanent Address : 29, Jalan Setia 12/8, Taman Setia Indah, 81100 Johor Bahru, Johor
 Correspondent Address : Department of Chemistry, Faculty of Science, Universiti Teknologi Malaysia, 81310 Johor Bahru, Johor
 Tel : 012-7655245
 E-mail : sheela@utm.my
 Website : <https://people.utm.my/sheela/>
 ID Staff : 12692
 Expertise : Photocatalysis, Heterogeneous Catalysis, Porous Materials and Inorganic Chemistry
 H-Index (WOS) : 11
 H-Index (SCOPUS) : 12
 H-Index (G. Scholar) : 14
 H-Index (Researchgate) : 13

ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1.	Doctor of Philosophy (Ph.D.)	Materials Science	Hokkaido University, Japan	2009	2012
2.	Master (MSc.)	Chemistry	Universiti Teknologi Malaysia, Malaysia	2006	2008
3.	Degree	Industrial Chemistry	Universiti Teknologi Malaysia, Malaysia	2001	2005

AWARDS AND HONORS RECEIVED

Summary	
International Awards / Honors	4
National Awards / Honors	5

UTM Awards / Honors	17
Faculty Awards / Honors	9

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1.	Excellent Service Award, Faculty of Science, UTM	Faculty	2022
2.	Bronze Award in NALI 2022 Exhibition & Competition for Integrating Sustainable Practices in Undergraduate Chemistry Education Through Industrial Green Chemistry Case Studies	National	2022
3.	Award of Excellence Active Blending Award of Excellence Active Blending Learning Course SSCC4753 (01) Catalytic Chemistry – Semester II 2021/2022	UTM	2022
4.	Award of Excellence Active Blending Award of Excellence Active Blending Learning Course SSCC1713 (80) Main Group Elements – Semester II 2021/2022	UTM	2022
5.	Award of Excellence Active Blending Learning Course SSCC1703 (01) Inorganic Chemistry – Semester I 2021/2022	UTM	2022
6.	Award of Excellence Active Blending Learning Course SSCC1703 (03&04) Inorganic Chemistry – Semester I 2021/2022	UTM	2022
7.	Young Investigator Award in the YSN-ASM International Scientific Virtual Conference (ISVC) - Track: Environmental Sciences and Information Technology	International	2021
8.	Award of Excellence Active Blending Learning Course SSCC4753 (01) Catalytic Chemistry – Semester II 2020/2021	UTM	2021
9.	Award of Excellence Active Blending Learning Course SSCC1703 (03-04) Inorganic Chemistry – Semester I 2020/2021	UTM	2021
10.	Anugerah Penerbitan Korporat	Faculty	2020
11.	Excellent Service Award, Faculty of Science, UTM	Faculty	2020
12.	Academic Advisor Award, Faculty of Science, UTM	Faculty	2020
13.	Silver and Bronze Award in NALI 2020 Exhibition & Competition, UTM	National	2020
14.	Award of Excellence for Active Blending Learning Course for SSCC1703 Inorganic Chemistry, Semester I 2019/2020	UTM	2020
15.	Award of Excellence for Active Blending Learning Course for SSCC4753 Catalytic Chemistry, Semester II 2019/2020	UTM	2020

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
16.	Award of Excellence for Active Blending Learning Course for SSCC4753 Catalytic Chemistry and SSCC2713 Coordination Chemistry, Semester II 2017/2018	UTM	2019
17.	Award of Excellence for Active Blending Learning Course for MSCK1713 Advanced Inorganic Chemistry, SSCC1014 Principle of Chemistry, and SSCM1303 Computer Literacy, Semester 1 2018/2019	UTM	2019
18.	Gold Award in NALI 2019 Exhibition & Competition for the innovation of Three Minutes Proposal (3MP), UTM	National	2019
19.	Silver Award in NALI 2019 Exhibition & Competition for the innovation of Invisible Confusions: Infrared Spectral Interpretation, UTM	National	2019
20.	Silver Award in NALI 2019 Exhibition & Competition for the innovation of The Periodic Table Game for Interactive Learning in Chemistry	National	2019
21.	Academic Advisor Award, Faculty of Science, UTM	Faculty	2019
22.	Excellent Service Award, Faculty of Science, UTM	Faculty	2019
23.	Bronze Award for the invention/innovation The Periodic Table Games for Interactive Learning in Chemistry at the 20th Industrial Art and Technology Exhibition (INATEX)	UTM	2018
24.	Community Service Award	Faculty	2018
25.	Excellent Service Award, Faculty of Science, UTM	Faculty	2018
26.	Award of Excellence for Active Blending Learning Course for SSCC4753 Catalytic Chemistry - Semester II 2017/2018	UTM	2018
27.	Award of Excellence for Active Blending Learning Course for SSCC1703 Inorganic Chemistry - Semester I 2017/2018	UTM	2018
28.	Award of Excellence for Active Blending Learning Course for SSCC1014 Principles of Chemistry - Semester I 2017/2018	UTM	2018
29.	First Prize Paper Award at the International Conference of Applied System Innovation (IEEE ICASI 2017), Sapporo, Hokkaido, Japan	International	2017
30.	Malaysia's Representative in the 67th Lindau Nobel Laureate Meeting, Lindau, Germany	International	2017
31.	Recipient of OPEC Fund for International Development (OFID) to the 67th Lindau Nobel Laureate Meeting, Lindau, Germany	International	2017
32.	Excellent Service Award, UTM	UTM	2017

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
33.	Special Faculty Award in STEM Program, Faculty of Science, UTM	Faculty	2017
34.	Award of Excellence for Active Blending Learning Course for SSCC2713 Coordination Chemistry - Semester II 2016/2017	UTM	2017
35.	Award of Excellence for Active Blending Learning Course for SSCC1703 Inorganic Chemistry - Semester I 2016/2017	UTM	2016

WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1.	Senior Lecturer	27 April 2016	Present	Department of Chemistry, Faculty of Science, Universiti Teknologi Malaysia.
2.	JASSO Visiting Researcher	01 September 2015	30 November 2015	Catalysis Research Center, Hokkaido University, Japan
3.	Postdoctoral Fellow	01 May 2013	31 August 2015	Faculty of Science, Universiti Teknologi Malaysia.
4.	DAAD Visiting Researcher	01 June 2015	31 July 2015	Helmholtz-Zentrum Berlin, Berlin, Germany
5.	Postdoctoral Researcher	01 October 2012	31 October 2012	Catalysis Research Center, Hokkaido University, Japan
6.	Researcher Officer	01 January 2009	30 September 2009	Faculty of Science, Universiti Teknologi Malaysia.

PROFESSIONAL MEMBERSHIP / QUALIFICATION / RECOGNITION

Summary	
International Professional Membership / Qualification / Recognition	2
National Professional Membership / Qualification / Recognition	4

NO	NAME OF PROFESSIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1.	Institut Kimia Malaysia (IKM)	National	Vice Chair of IKM Southern Branch (Membership No.: M/4547/7530/16)	2016 - present
2.	American Chemical Society (ACS)	International	Secretary of ACS Malaysia Chapter (Membership No.: 30222047)	2011 - present
3.	The Chemical Society of Japan	International	Member (Membership No.: 2170758000)	2017 - present

NO	NAME OF PROFESSIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
4.	Young Scientists Network-Academy Sciences of Malaysia (YSN-ASM)	National	Chair of Science Outreach Working Group	2018 - present
5.	Persatuan Sains Analisis Malaysia	National	Member (Membership No.: A587)	2020 - present
6.	Persatuan Zeolit Malaysia	National	Secretary (Membership No.: MYZA2021002)	2021 – present

ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
1.	Ketua Panel (Bidang)	1 August 2020	30 June 2024	Department of Chemistry, Faculty of Science
2.	Penyelaras JK Pengantarabangsaan	25 July 2021	24 July 2023	Faculty of Science
3.	Penyelaras JK Hal Ehwal Koprak	1 March 2020	28 February 2022	Faculty of Science

CONSULTATION WORKS

Summary	
Consultation Project - UTM	2 projects (RM 17,948.23)
Consultation Project - Others	11 projects (RM 414,718.63)

No.	Year	Title	Value	Vot
1.	2020	Computational Chemistry Workshop: Transitioning from Wet Lab to Dry Lab	RM 12,548.23	961 UTBS
2.	2020	Chemfest: Climate and Earth Science	RM 3,000.00	961 UTBS
3.	2019	7 th International Conference and Workshop on Basic and Applied Sciences (ICOWOBAS 2019)	RM 176,404.55	961 UTBS
4.	2019	Lab Activities for Senior High School—General Chemistry 1 and 2	RM 1,300.00	961 UTBS
5.	2019	Karnival Kimia Johor (K2J) 2019	RM 2,000.00	961 UTBS
6.	2019	2nd International Conference on Biosciences and Medical Engineering 2019 (ICBME 2019)	RM 19, 595.33	961 UTBS
7.	2018	2018 National Science Challenge (NSC)	RM 23,012.00	Bendahari UTM
8.	2018	Workshop: The Usage of Computational Methods in Chemistry	RM 5,400.00	961 UTBS
9.	2018	Karnival Kimia Johor (K2J) 2018	RM 3,000.00	961 UTBS
10.	2017	Karnival Kimia Johor (K2J) 2017	RM 3,000.00	961 UTBS

No.	Year	Title	Value	Vot
11.	2017	ACS Global Innovation Imperatives: CEC	RM 13,000.00	961 UTSB
12.	2017	Malaysia Separation Science Conference 2017 (MySSC)	RM 72,280.91	961 UTSB
13.	2016	International Conference on Catalysis (iCAT) 2016	RM 98,125.84	961 UTSB

INTERNATIONAL / NATIONAL / UNIVERSITY COMMITTEE

International

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Editorial Team of Malaysian Journal of Fundamental and Applied Sciences	Special Section Editor	2019	Present
2.	Committee for International Conference and Workshop on Basic and Applied Sciences (ICOWOBAS) 2019	Committee	19 July 2018	31 December 2018
3.	Committee Member and Scientific Member at the 2nd International Conference on Biosciences and Medical Engineering (ICBME) 2019	Organizing and Scientific Committee	22 May 2018	31 December 2018

National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	American Chemical Society International Chemical Science Chapter in Malaysia (ACS Malaysia Chapter)	Secretary	2022	2024
2.	American Chemical Society International Chemical Science Chapter in Malaysia (ACS Malaysia Chapter)	Assistant Secretary	2020	2022
3.	Committee for National Science Challenge (NSC) 2022	Committee	15 April 2022	10 September 2022
4.	Programme and Activity Committee for <i>Minggu Sains Negara Keluarga Malaysia 2022</i> (MSNKM)	Committee	April 2022	October 2022
5.	Committee for "Science and Art at Home" <i>Minggu Sains Negara Keluarga Malaysia 2022</i> (MSNKM)	Committee	April 2022	October 2022
6.	Committee for <i>e-Games Kesihatan Planet</i> for <i>Minggu Sains Negara Keluarga Malaysia 2022</i> (MSNKM)	Committee	April 2022	October 2022
7.	Committee for ACS Chemistry Festival 2021 "Chemistry Festivals in A Kit: Lab to Home"	Committee	20 November 2021	20 November 2021

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
8.	Committee of the Open Virtual Health Talk (Covid-19 Vaccine) organized by Institut Kimia Malaysia (Southern Branch)	Committee	24 July 2021	24 July 2021
9.	Committee for Special Interest Group (SIG) by Persatuan Zeolit Malaysia	Committee	1 April 2021	-
10.	Secretariat for the 2nd ASM Merdeka Meeting 2019	Committee	7 March 2019	18 March 2019
11.	Committee Members For Outreach Working Group, ACS Malaysia Chapter	Committee	2018	2020
12.	Committee for Chemfest: Climate And Earth Science	Secretary	1 September 2020	1 December 2020
13.	Committee of Host Scientists for Students of Project SEED Global Program	Committee	25 November 2019	31 December 2019
14.	Committee Member of Outreach Working Group ACS Malaysia Chapter	Committee	Term 2018	Term 2020
15.	National Science Challenge 2018 for Semi Final Level – Head of Science Outreach, Assistant Head of Protocol Unit, Assistant Head of Activity Unit and Facilitator for :MyTeacher Module Unit”	Committee	9 January 2018	15 August 2018
16.	Organizing Committee Unit (Survey Unit) and Rapporteur of the ACS Global Innovation Imperatives (Gii) Forum 2017	Committee	20 November 2017	21 November 2017
17.	6th Iskandar Learning Festival – STEM Day at UniKL MITEC Bandar Seri Alam	Deputy Programme Director (Activities and Participation)	20 July 2017	20 July 2017
18.	Editor of the YSN-ASM Science Outreach Handbook	Editor	March 2022	December 2022
19.	Judge - YSN-ASM Chrysalis Award	Committee	XXX	XXX
20.	Virtual National Science Challenge2020: Virtual Bootcamp - Computational Workshop	Committee	2020	XXX
21.	Committee for Computational Chemistry Workshop, Faculty of Science	Committee	2020	2020
22.	KWC Science Week 2020	Committee	2020	2020
23.	National Science Challenge 2017	Committee	2017	2017

University

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Committee of Faculty Research Grant Champion (FRGC) International Grant	Committee	1 Jun 2022	31 May 2024
2.	Committee for 3rd Bionanotechnology Research Seminar (BIONANOSEM) 2022	Scientific Committee	1 January 2022	31 December 2022
3.	Research Fellow for Centre for Sustainable and Nanomaterials (CSNANO), Ibnu Sina Institute for Scientific and Industrial Research (ISI-SIR), UTM	Scientific Committee	1 December 2019	30 November 2022
4.	Committee for <i>Karnival Kimia Johor</i> (K ₂ J) 2019	Treasurer	1 July 2019	14 September 2019
5.	Scientific Committee for 7th International Graduate Conference on Engineering, Science and Humanity (IGCESH 2018)	Scientific Committee	13 August 2018	15 August 2018
6.	Committee for <i>Karnival Kimia Johor</i> (K ₂ J) 2019	Head of Committee	1 July 2018	-
7.	Committee for Workshop: The Usage of Computational Methods in Chemistry	Head of Committee	11 February 2018	-
8.	Organizing Committee for Professional Course entitled "Internet of Thing: As a New Source Of Wealth Creation"	Committee	1 December 2016	1 December 2016
9.	Committee for the Curriculum Review of the Pre-Graduate Program, Department of Chemistry	Committee	2020	XXX
10.	Committee for PRO-TEM for the establishment of Science, Technology, Engineering and Mathematics (STEM) Consortium in UTM.	Committee	17 October 2021	XXX

Faculty

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Committee for Industrial Training/Research for Year 3 and 4 Students	Committee	17 July 2022	31 October 2022
2.	Committee for Survival AIChemY 2022	Committee	16 Jun 2022	18 Jun 2022
3.	Evaluation committee final examination question Semester 2 2021/2022	Committee	31 May 2022	2 June 2022
4.	Committee for Asean University Networking Quality Assurance	Committee	27 March 2022	-

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
	(AUN QA) Program SSCC / SSCCH			
5.	Committee for Green Chemistry Challenge 2022	Committee	15 January 2022	15 January 2022
6.	Committee for Career and Alumni Fair Faculty of Science (CAFFS) 2022	Committee	24 April 2022	29 May 2022
7.	Committee of Corporate Affairs for Faculty of Science	Committee	25 July 2021	24 July 2023
8.	Committee for Industrial Training / Research, 2020/2021 Session	Committee	11 July 2021	30 September 2021
9.	Evaluation Committee for Final Examination Question, Semester 2021/2022	Committee	28 December 2021	29 December 2021
10.	Program Kerjasama Fakulti Sains & Guangdong University Of Technology, China (GDUT)	Task Force Committee	14 December 2021	-
11.	Committee - Visit of the Chairman of the Board University Director to Faculty of Science	Committee	21 November 2021	24 November 2021
12.	Committee for Board of Study Faculty of Science	Committee	1 August 2021	-
13.	Student Development Committee 2021	Committee	1 July 2021	30 June 2024
14.	Internationalization Committee	Committee	25 July 2022	24 July 2023
15.	Committee for the Exchange of Cooperation Letter Documents between UTM and WPP Energy GMBH (WPP)	Committee	14 Jun 2021	27 Jun 2021
16.	Committee FS Future Ready Educators (FREE) Week 2021	Committee	16 February 2021	-
17.	Committee for Strategic Planning 2021, Faculty of Sciences	Committee	2 February 2021	-
18.	COPPA Program Document Preparation committee Master of Science Specialization in Chemistry, Department of Chemistry	Committee	15 January 2021	-
19.	Creative Media And Graphic committee	Committee	1 January 2021	31 December 2021
20.	Committee of Online Global Classroom (OGC) – Inbound and Outbound	Committee	30 November 2020	-
21.	Committee for Myroadmap Living Lab	Committee	1 September 2020	31 August 2022
22.	Committee for University-Visible-Industry-Symbiosis (UVIS)	Committee	1 September 2020	31 August 2022
23.	Jawatankuasa Pemurnian Manual Amali Kimia Tak Organik (SSCC1851)	Committee	1 September 2020	31 December 2020

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
24.	Faculty of Science Visitors Secretariat	Committee	1 March 2020	28 February 2022
25.	Academic Quality Committee	Committee	1 August 2020	31 July 2022
26.	STEM Committee, Faculty of Science	Committee	1 August 2020	31 July 2022
27.	Portfolio Holder in the Green Chemistry Research Group	Head of Publications	1 August 2020	31 July 2023
28.	Task Force Ruang Makmal Jabatan Kimia	Committee	22 December 2020	-
29.	Student Development Committee 2020	Committee	1 August 2020	31 July 2022
30.	Roadmap Outcome (RO), Student Development Committee (JKPP) Faculty of Science	Committee	21 September 2020	-
31.	Committee for the preparation of hand Sanitizer and Antimicrobe Test	Committee	18 April 2020	-
32.	Comiittee for Board of Study Program, Faculty of Science	Committee	9 February 2020	8 February 2021
33.	MSCK2 Curriculum Review Committee	Committee	1 January 2020	31 March 2020
34.	Pre-Graduate Program Curriculum Review Committee	Committee	1 January 2020	3 March 2020
35.	Committee for the Preparation of Inorganic Chemistry Practical 2 Module: Project-Based	Committee	1 January 2020	31 December 2020
36.	Evaluation Committee for Three Minutes Proposal (3MP) Expo Day	Evaluator	3 December 2019	3 December 2019
37.	Committee for Family Day 2019, Faculty of Sciences	Commiittee	13 August 2019	24 August 2019
38.	Committee for University-Visible-Industry-Symbiosis (UVIS)	Committee	1 September 2019	31 August 2020
39.	Academic Quality Audit Committee (AKA) 2018	Committee	1 March 2019	-
40.	Faculty of Science Marketing representative, 2018/2019 session	Representatives	8 January 2019	-
41.	Faculty of Science Alumni Committee	Committee	9 October 2019	31 December 2021
42.	Committee for the revision of Curriculum 2019 Department of Chemistry	Committee	21 May 2019	-
43.	Committee for Survival Alchemy 2019	Committee	27 February 2019	16 March 2019
44.	Committee for <i>Malam Pra-Graduan Jabatan Kimia</i>	Treasurer	27 February 2019	4 April 2019
45.	Faculty of Science Career and Alumni Day Committee	Committee	20 February 2019	23 April 2019
46.	Committee for Sciene Tour program 2019	Committee	26 February 2019	-

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
47.	Committee for the preparation of COPPA Documents 2019	Committee	24 January 2019	-
48.	Committee for Postgraduate Curriculum Review	Committee	24 January 2019	-
49.	Committee for Summer School Rainforest Faculty of Science and ISI-SIR	Committee	1 January 2019	-
50.	Committee for Faculty of Science Research Week	Committee	1 December 2018	-
51.	Committee for the Preparation of COPIA Documents 2018 Department of Chemistry	Committee	1 September 2018	31 August 2020
52.	Industrial/Research Training Committee for the Department of Chemistry	Head of Committee	1 August 2018	31 July 2020
53.	Student Development Committee for the Department of Chemistry	Committee	1 August 2018	31 July 2020
54.	Industrial Training Committee, External Network and Alumni, Department of Chemistry	Head of Committee	11 October 2018	31 July 2020
55.	Committee for undergraduate final year project, Department of Chemistry	Committee	1 August 2018	31 July 2020
56.	STEM Committee for the Department of Chemistry	Secretary	1 August 2018	31 July 2020
57.	Committee for STEM Day 2018	Committee	25 July 2018	7 August 2018
58.	Committee for International Conference and Workshop in Basic and Applied Sciences (ICOWOBAS) 2019	Committee	19 July 2018	18 July 2019
59.	Task Force Committee Survival AIChem 2018	Committee	12 March 2018	14 April 2018
60.	Faculty of Science Corporate Affairs Committee	Head of Committee	1 January 2018	31 December 2019
61.	Faculty of Science Alumni Committee	Committee	1 January 2018	31 December 2019
62.	Committee for the STEM Mentor-Mentee Award	Committee	1 January 2018	-
63.	Enrollment Task Force for the Corporate Affairs Committee of the Faculty of Science	Committee	1 January 2018	31 December 2018
64.	Committee for "7Habits for Effective Students" workshop	Facilitator	24 November 2017	24 November 2017
65.	Committee for the Internal Audit Document Preparation of the Pre-Graduate Program, Faculty of Science 2017	Committee	21 November 2017	-
66.	Committee for the Inaugural Merdeka Meetings 2017	Committee	1 November 2017	16 December 2017

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
67.	Committee for Women in STEM – Scientists Back to School Series 2.0	Committee	22 October 2017	29 October 2017
68.	Science Tour Program Coordinator 3.0	Coordinator	20 September 2017	1 Oktober 2017
69.	Committee for <i>Karnival Kimia Johor</i> (K ₂ J) 2017 – Karnival Sains Petrosains	Committee	21 Ogos 2017	17 September 2017
70.	Committee for “Meet and Greet Fakulti Sains: University President Forum”	Committee	24 July 2017	10 August 2017
71.	Committee for the preparation of SAR for undergraduate Program, Faculty of Science	Committee	15 July 2017	30 June 2018
72.	Committee Malaysia Separation Science Conference 2017 (MySSC)	Committee	1 April 2017	-
73.	Committee Postgraduate Info Day	Committee	20 March 2017	1 April 2017
74.	Committee for Survival Alchemy 2017	Committee	16 March 2017	15 April 2017
75.	Scientific Committee for 5th International Sciences Postgraduate Conference 2017 (ISPC)	Scientific Committee	7 March 2017	8 March 2017
76.	Corporate Communications Committee of the Department of Chemistry, Faculty of Science	Committee	1 February 2017	31 January 2019
77.	Ahli Jawatankuasa Keceriaan Jabatan Kimia, Fakulti Sains	Committee	1 February 2017	31 January 2019
78.	Faculty of Science Curriculum Review Committee	Committee	1 January 2017	31 December 2017
79.	National Colloquium Committee for Science, Technology, Engineering and Mathematics Educators (KKPSTEM), Faculty of Science	Committee	01 December 2016	31 December 2017
80.	Committee for the development of Science, Technology, Engineering and Mathematics (STEM)	Committee	01 December 2016	31 December 2017
81.	Committee for the 16th Asia Pacific International Symposium on Microscale Separations and Analysis (APCE 2016)	Committee	1 November 2016	-
82.	Task Force Committee "Visit of the Bogor Agricultural Institute (IPB) to the Faculty of Science, UTM Johor Bahru"	Committee	1 November 2016	-
83.	Task Force Committee for Science Innovation Challenge 2016 (SIC2016)	Committee	19 September 2016	-
84.	UTM-ASM Nobel Laureate Public Lecture	Committee	01 August 2016	-

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
85.	Faculty of Science Academic Handbook Design Committee	Coordinator	31 July 2016	31 December 2017
86.	Promotional Committee for Faculty of Science	Committee	1 July 2016	31 December 2017
87.	Committee of the Undergraduate Project Symposium (PSM) of the Department of Chemistry, Session 2015/2016	Committee	02 April 2016	-
88.	Committee for International Conference on Catalysis 2016 (iCAT 2016)	Committee	03 January 2016	21 September 2016

Community

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Community Project Cooperation between Faculty of Science, Iskandar Puteri City Council And Thinkcity	Committee	1 October 2019	30 September 2020
2.	Committee for Good Earth Exhibition at Sutera Mall, Johor Bahru	Committee	8 September 2019	29 September 2019
3.	Committee for Exhibition and Interactive Slot 'Green Science for the Community' at Flat Taman Jaya and Preliminary Publicity session of the Skudai River Special Area Plan Study between the Faculty of Science, Iskandar Puteri City Council and Thinkcity	Committee	14 February 2018	16 February 2019
4.	Community Service Officer in Kampung Sungai Melayu, Gelang Patah Johor	Committee	1 January 2017	26 January 2017

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1.	Facilitator for Grant Coaching Session Workshop: Nippon Sheet Glass Foundation For Materials Science and Engineering (NSG Foundation)	UTM HELixs, C17 Fakulti Sains UTM	5 September 2022	5 September 2022
2.	Task Force Committee for Bengkel Pembangunan Modul Jelajah Sains 2022	Iskandar 1, JEN Johor Puteri Harbour by Shangri-La, Persiaran Puteri Selatan, Nusajaya	16 August 2022	17 August 2022
3.	Pempamer dan petugas Program Karnival Sains MOSTI 2022	Padang Awam, Kg Baru Sg Telor, Kota Tinggi, Johor.	14 May 2022	14 May 2022
4.	ACS Virtual Talk for the Earth Day 2022 "Invest in Our Planet"	Virtual	21 April 2022	21 April 2022

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
5.	Speaker and Fasilitator for Program <i>Minggu Sains Negara Keluarga Malaysia 2022 & Ihya' Ramadan Tenggara</i>	Dewan Sri Kembaran, Bandar Tenggara	16 April 2022	16 April 2022
6.	National Science Challenge (NSC) 2022	Virtual	15 April 2022	10 September 2022
7.	FS Research Month Closing Ceremony by Deputy Vice Chancellor (Research & Innovation) by Research Month FS 2022	Virtual	31 March 2022	31 March 2022
8.	Virtual Roadshow ICC by Research Month FS 2022	Virtual	14 March 2022	14 March 2022
9.	Research Grants Sharing Sessions (Teaching and Collaboration/Contract Research Grant) by Research Month FS 2022	Virtual	21 March 2022	21 March 2022
10.	Road to Success: Winning Community Grant and Commercial Fund by Research Month FS 2022	Virtual	30 March 2022	30 March 2022
11.	Webinar Bicara Pakar UIRL 2022: Zeta Potential – Principles and Applications	Virtual	30 March 2022	30 March 2022
12.	IKM Pahang Branch Online Symposium 2022	Virtual	22 January 2022	22 January 2022
13.	Evaluator for 3 Minutes proposal (3MP) Programme	Virtual	19 January 2022	20 January 2022
14.	Moderator for Global Women's Breakfast 2022 live event in "Empowering Diversity in Science" by ACS Malaysia Chapter IUPAC	Virtual	2022	2022
15.	Exhibitors for Kuala Lumpur Engineering Science Fair (e-KLESF) 2021	Virtual	29 October 2021	29 October 2021
16.	Organizing Committee of the Open Virtual Session on Experience Sharing for Research and Industrial Training	Virtual	28 October 2021	28 October 2021
17.	FS Patriot Virtual Run@Ride	Virtual	29 August 2021	12 September 2021
18.	Moderator for the 8th International Conference and Workshop on Basic and Applied Sciences (ICOWOBAS) 2021	Virtual	25 August 2021	26 August 2021
19.	Judge For State Level Of The 2021 National Science Challenge (Nsc)	Virtual	20 August 2021	22 August 2021
20.	Majlis bersama Naib Canselor 2021	Virtual	14 July 2021	14 July 2021
21.	Forum: From Research to Business under Research Week at FS 2021	Virtual	21 March 2021	21 March 2021

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
22.	Sharing Session: International and Industrial Grants under Research Week at FS 2021	Virtual	18 March 2021	18 March 2021
23.	How to Collaborate our Research Effectively Through MoU/MoA under Research Week at FS 2021	Virtual	14 March 2021	14 March 2021
24.	Moderator for a Sharing Session MoU/MoA – “How to Collaborate Our Research?”	Virtual	14 March 2021	14 March 2021
25.	Judges for The Malaysian Youth Upcycle Challenge 2020/21	Virtual	18 January 2021	7 February 2021
26.	Evaluator for 3 Minutes proposal (3MP) Programme	Virtual	15 January 2021	22 January 2021
27.	Moderator for OGC Inbound and Outbound di FS UTM - Webinar “Computational Chemistry Workshop - Transitioning From Wet Lab To Dry Lab”	Virtual	15 December 2020	15 December 2020
28.	Speaker for “Using Padlet And Google Form To Keep Students In Check” under FS FREE Week 2020	Virtual	28 August 2020	28 August 2020
29.	Speaker for Sharing Session “Key Factors To Prepare And Secure International Grants”, FS Research Month 2020	Virtual	18 August 2020	18 August 2020
30.	Viva for PhD candidates - Nur Afiah Binti Badli - Chairperson assistant	Bilik Viva 5, Aras 1, Blok T05, Fakulti Sains, UTM Johor Bahru	29 December 2019	29 December 2019
31.	Viva for PhD candidates – Nur Fadzilah Binti Abdul Razak - Chairperson assistant	Bilik Viva 5, Aras 1, Blok T05, Fakulti Sains, UTM Johor Bahru	17 December 2019	17 December 2019
32.	Bengkel bagi Panel Penilai Soalan Peperiksaan Akhir Semester 1 sesi 2019/2020, Jabatan Kimia, Fakulti Sains	Bilik Aktiviti dan Bilik Mesyuarat, Jabatan Kimia	18 November 2019	21 November 2019
33.	Petrosains Meet The Expert	Petrosains Playsmart Johor Bahru, Perbadanan Perpustakaan Awam Johor.	20 October 2019	20 October 2019
34.	Penceramah “Workshop with Hands-on EDU 4.0 Tools: Kimia	Bilik Seminar Jabatan Kimia, Aras 2 Blok C10, Fakulti Sains	24 September 2019	24 September 2019
35.	Viva for PhD candidates – Abdulhamid Umar - Chairperson assistant	Bilik Mesyuarat Pejabat Dekan, Aras 2, Blok T05, Fakulti Sains, UTM Johor Bahru	15 January 2019	15 January 2019
36.	Chemical Security Capacity Building Program with OPCW and NACWC organised by IKM and ACS	Hotel Bangi-Putrajaya, Bangi, Selangor	10 December 2018	10 December 2018
37.	Pengacara Majlis Seminar Series 12, Fakulti Sains	Dewan Kuliah 1, Blok C17-105, Fakulti Sains	24 April 2018	24 April 2018

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
38.	Judges for 3rd FBME International Innovation Day 2018	Foyer Bangunan Institut Jantung Negara (IJN) Blok V01, Fakulti Biosains dan Kejuruteraan Perubatan, UTM Johor Bahru	18 April 2018	18 April 2018
39.	Workshop on "How to get Yourself Employed"	Bilik Kuliah C17-109	11 April 2018	11 April 2018
40.	ACS Global Innovation Imperatives GII Post-Forum Stakeholder Engagement	KETTHA Putrajaya and NAHRIM Seri Kembangan	8 March 2018	9 March 2018
41.	Pengacara Majlis bagi Majlis Popular Science Seminar Series Fakulti Sains	Dewan Kuliah 2, Blok C17-111, Fakulti Sains	24 January 2018	24 January 2018
42.	Invited Speaker Seminar Series 7, Fakulti Sains	Dewan Kuliah 2, C17 Fakulti Sains	31 October 2017	31 October 2017
43.	Judges for Oral Session in Malaysia Separation Science Conference (MySSC2017)	Pulai Springs Resort, Johor Bahu	23 October 2017	25 October 2017
44.	Visiting lecturer in the Chemistry Department, Institut Teknologi Sepuluh Nopember	Chemistry Department, Faculty of Science, Institut Teknologi Sepuluh Nopember, Surabaya	15 October 2017	18 October 2017
45.	Program Komuniti – Program Gotong Royong Pembersihan Kawasan untuk Pencegahan Denggi	Persatuan Cerebral Palsy Johor	10 September 2017	10 September 2017
46.	Charity Run for Celebral Palsy	Columbia Asia Hospital – Iskandar Puteri	22 July 2017	22 July 2017
47.	Viva for PhD candidates (Ajeigbe Sunday Osinkolu) – Chairperson assistant	Bilik Viva 4, Aras 2, Sekolah Pengajian Siswazah, UTM Johor bahru	25 July 2017	25 July 2017
48.	Forum Panelists for Women in STEM – Scientist Back to School	SMK (P) Sultan Ibrahim (SIGS), Johor Bahru	14 June 2017	14 June 2017
49.	UTM Colour Run 2017	T05, Faculty of Science, Universiti Teknologi Malaysia	28 April 2017	28 April 2017
50.	Pengacara Majlis bagi program Popular Science Seminar Series Fakulti Sains	Dewan Kuliah 1, Blok C17-105, Fakulti Sains	11 April 2017	11 April 2017
51.	International Famelab 2017 – Talking Science	Johor Bahru	11 March 2017	11 March 2017
52.	Emcee for Review Paper Writing Workshop	N31, Bangunan Institut Ibnu Sina, Universiti Teknologi Malaysia, Johor Bahru	6 December 2016	6 December 2016
53.	UTM Postgraduate Info Day 2016 UTM Kuala Lumpur	Dewan Azman Hashim, UTM Kuala Lumpur, Jalan Sultan Yahya Petra, Kuala Lumpur	12 November 2016	13 November 2016
54.	16th Asia Pacific International Symposium on Microscale Separation and Analysis (APCE 2016)	Johor Bahru, Malaysia	07 November 2016	10 November 2016

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
55.	Program Karnival Kerjaya Bersama Alumni Fakulti Sains 2016 (Career Carnival with FS Alumni 2016) "CCwFSA 2016"	Dewan Kuliah 2, C17, Fakulti Sains, Universiti Teknologi Malaysia, Johor Bahru	26 April 2016	26 April 2016

RESEARCH ACTIVITIES

Summary	
Principal Investigator - International Grants	3 projects (RM 64,494.00)
Principal Investigator - National Grants	6 projects (RM 209,297.58)
Principal Investigator - UTM Grants	4 projects (RM 113,642.00)
Member - International Grants	0 projects (RM0)
Member - National Grants	21 projects (RM 951,776.00)
Member - UTM Grants	6 projects (RM 306,000.00)

As a principal investigator

	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Photochromic Titania Thin Films for the Removal of Microplastics in Water	Principal Investigator	Kurita Water And Environment Foundation	International Grant	RM 12,494.00	01/10/2022	30/09/2023	4B797
2.	4B686 - Fuel Cell Project Promoting An Alternative Renewable Energy Learning In East Java S Senior High Schools	Principal Investigator	UTM	Matching Grant	RM 28,642.00	02/06/2021	31/05/2022	03M47
3.	Fuel Cell Project Promoting An Alternative Renewable Energy Learning In East Java S Senior High Schools	Principal Investigator	Universitas Negeri Malang	International Grant	RM 28,000.00	02/06/2021	31/05/2022	4B686
4.	Structure-Property Relationship Of Modified Titania Nanoparticles In Hollow Copper Oxide Shell For Photodegradation Of Antibiotic Residues	Principal Investigator	Ministry of Education	Fundamental Research Grant Scheme (FRGS)	RM 99,900.0	07/09/2021	06/09/2023	5F473
5.	Crg 36.3: Glycerol-Modified Titania For Formaldehyde Removal	Principal Investigator	Universiti Teknologi Petronas	Collaborative Research Grant National	RM 20,000.00	01/11/2019	31/10/2021	4B502
6.	Utilization Of Laser Ablation For The Preparation Of Titania Nanoparticles	Principal Investigator	UTM	Industry-International Incentive Grants	RM 15,000.00	01/11/2020	31/10/2021	02M62

	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	From Titanium Metal							
7.	Preparation Of Titania Nanoparticles By Laser Ablation Of Titanium Metal	Principal Investigator	Nippon Sheet Glass	International Grant	RM 24,000.00	01/01/2020	31/12/2020	4B515
8.	A Study on Students' Involvement in Solving Problems Faced by Our Community through Science Innovation Challenge	Principal Investigator	Institut Kimia Malaysia	Networking Grant	RM 500.00	01/08/2017	31/10/2017	4X287
9.	Effect of Interactive Learning Activities on Student's Interest, Motivation and Attitude towards Chemistry	Principal Investigator	Institut Kimia Malaysia	Networking Grants	RM 10,000.00	04/06/2018	31/10/2018	4X343
10.	Women in STEM, Scientists Back to School	Principal Investigator	Institut Kimia Malaysia	Networking Grants	RM 200.00	14/06/2017	29/10/2017	4X241
11.	Preparation Of Size-Controlled Titania Nanoparticles As Self-Cleaning Transparent Coating On Polycarbonate Car Headlights	Principal Investigator	UTM	Tier 1	RM 50,000.00	01/02/2018	31/01/2020	18H69
12.	Synthesis of titania inverse opal containing single gold nanoparticle per void as active photocatalyst under visible light irradiation for the degradation of organic pollutant	Principal Investigator	Ministry of Education	Fundamental Research Grant Scheme (FRGS)	RM 78697.58	15/08/2017	14/08/2019	4F923
13.	Synthesis and Photocatalytic Properties of Titania Particles Encapsulated in Silica Shell	Principal Investigator	UTM	Potential Academic Staff	RM 20,000.00	01/08/2016	31/07/2017	02K50

As a scientific member

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Synthesis, Characterization and Mechanistic Studies of Novel Copper Fluorinated Nhc Complexes for Functionalization of Carbonyl Compounds	Co-researcher	UTM	UTM Encouragement Research	RM 30,000.00	01/11/2019	31/10/2022	18J37
2.	Green Synthesis, Characterization, Computational and Biological Studies of Novel Copper Complexes	Co-researcher	Ministry of Education	Fundamental Research Grant Scheme (FRGS)	RM 78,700.00	01/11/2020	30/04/2023	5F299
3.	Carbon Dioxide Reforming of Methane via Non-Thermal Plasma to Produce Value-Added Chemicals	Co-researcher	UTM	UTM Encouragement Research	RM 56,000.00	01/10/2020	30/09/2022	18J84
4.	Synergistic Computational and Experimental Molecular Elucidations on Photochromic Azobenzene Metal Complexes as Third-Order Nonlinear Optical Materials	Co-researcher	Ministry of Education	Fundamental Research Grant Scheme (FRGS)	RM 139,250.00	07/09/2021	06/09/2024	5F471
5.	Synthesis, Characterization and Mechanistic Studies of Bifunctional Alkaline Modified Chromium Catalysts for Biodiesel Production of Waste Cooking Oil	Co-researcher	UTM	UTM Fundamental Research	RM 70,000.00	01/01/2020	31/12/2022	21H03
6.	Bioinspired Approach in the Synthesis of Hierarchically Porous Catalyst Derived from Averrhoa Bilimbi for the Conversion of High Molecular Weight Cellulose	Co-researcher	Ministry of Education	Fundamental Research Grant Scheme (FRGS)	RM 113,000.00	01/12/2014	30/11/2016	4F626
7.	Kajian dan Projek Peremajaan Flat Taman Jaya; Program Bersama	Co-researcher	External Grant	Networking Grant	RM 27,296.00	27/01/2019	01/10/2019	4X465

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	Komuniti & Pertanian Bandar Menerusi 'Science For All'							
8.	Informal Science Learning through Green Science Projects: Jelajah Sains Siri Hijau 2019	Co-researcher	External Grant	Networking Grant	RM 19,648.00	27/01/2019	14/11/2019	4X466
9.	New Norm of Science Knowledge Transfer Model using Chemfest:Climate Change and Earth Science Module	Co-researcher	External Grant	Networking Grant	RM 3,000.00	17/10/2020	10/12/2020	4X580
10.	Student's Attitude, Interest and Motivation towards Chemistry results from Active Learning Activities	Co-researcher	External Grant	Networking Grant	RM 10,000.00	01/06/2019	31/10/2019	4X446
11.	Synthesis and application of carbon-metals based nanocatalyst from electronic waste in oxidation reactions	Co-researcher	UTM	Tier 1	RM 50,000.00	01/02/2016	31/01/2018	12H79
12.	Porous Material for Water-Oil Separation Prepared by Freeze-Casting	Co-researcher	UTM	HICOE Research Grant	RM 50,000.00	01/11/2016	30/06/2019	4J258
13.	Elucidation of Mechanism and Catalytic Properties of Porous TiO ₂ Microrod Synthesized under Magnetic Field for Low-Temperature Catalytic Combustion of Dimethyl Ether	Co-researcher	External Grant	FRGS	RM 73,000.00	01/08/2016	31/01/2019	4F871
14.	Science Innovation Challenge	Co-researcher	External Grant	Networking Grant	RM 3,900.00	25/07/2016	25/09/2016	4X186
15.	Effect of Clay Particle Shapes on Director Alignment of 4-pentyl-4'-cyanobiphenyl Liquid Crystal for Electro-optical Applications	Co-researcher	External Grant	FRGS	RM 72,292.00	15/08/2017	14/08/2019	4F921

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
16.	Synthesis and Photophysical Properties of Coumarin Based Chalcone Analogues Containing an Iminefragment for Use as Potential Optical Materials	Co-researcher	External Grant	FRGS	RM 96,460.00	15/08/2017	14/01/2020	4F955
17.	Kajian Keberkesanan Projek Menggunakan Arduino Terhadap Persepsi Pelajar Sekolah Menengah Terhadap STEM	Co-researcher	External Grant	Networking Grant	RM 4,750.00	01/05/2017	31/08/2017	4X252
18.	Memupuk Kepentingan Pendidikan Sains, Teknologi, Kejuruteraan & Matematik (STEM) ke arah Transformasi Nasional 50 (TN50) bertemakan Sains Masa Hadapa	Co-researcher	External Grant	Networking Grant	RM 5,050.00	01/01/2017	07/06/2017	4X316
19.	Exploring Contaminants of Emerging Concern (CECs) in Malaysia through Water Chemistry, Microbiology and Public Health	Co-researcher	External Grant	Networking Grant	RM 13,000.00	01/11/2017	31/10/2018	4X556
20.	Magnesium and Calcium Based Metal Oxides Supported on Alumina for Heterogeneous Base Transesterification of Non Edible Oil to Biodiesel	Co-researcher	UTM	Tier 1	RM 50,000.00	01/02/2018	31/01/2021	20H08
21.	Empowering Science, Technology, Engineering and Mathematics (Stem) Education to School Students through National Science Challenge 2018 (Nsc2018) Semi-Final Level	Co-researcher	External Grant	Business Entity	RM 23,012.00	09/01/2018	15/08/2018	4Y131

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
22.	A Study on Student's Interest, Motivation and Attitude Towards Chemistry via Interactive Learning Activities	Co-researcher	External Grant	Networking Grant	RM 10,000.00	01/08/2017	30/09/2017	4X284
23.	Kajian tentang Persepsi terhadap STEM di Kalangan Pelajar Sekolah Menengah melalui Program Pembelajaran Servis dan Mentor-Mentee	Co-researcher	External Grant	Networking Grant	RM 29,900.00	01/03/2017	30/11/2017	4X308
24.	Informal Science Learning through STEM Day 2018: Creating awareness and importance of STEM Education	Co-researcher	External Grant	Business Entity	RM 35,518.00	01/05/2018	31/10/2018	4Y136
25.	Investigation of Xanthenes Mediated Ultrasonic Assisted Green Synthesis of Ag/TiO ₂ Nanocomposite for Photocatalytic Degradation of Organic Dyes	Co-researcher	Ministry of Education	Fundamental Research Grant Scheme (FRGS)	RM 74,000.00	01/09/2019	31/05/2022	5F242
26.	CRG 36.0: Exploration of Titania-Based Catalysts for Environmental Conservation	Co-researcher	External Grant	Collaborative Research Grant National	RM 100,000.00	01/11/2019	30/04/2022	08G69
27.	Crg 36.2: Solid Acid Titania For Glycerol Acetylation To Acetins	Co-researcher	External Grant	Collaborative Research Grant National	RM 20,000.00	01/11/2019	30/04/2022	4B475

COLLABORATION (MOU / MOA / LOA / LOC / LOI)

NO	NAME OF MOU / MOA / LOA / LOC / LOI	LEVEL OF MOU / MOA / LOA / LOC / LOI (NATIONAL / INTERNATIONAL)	STARTING DATE	ENDING DATE
1.	MoU between Faculty of Science, Universiti Teknologi Malaysia (UTM) and Institut Kimia Malaysia (IKM)	National	14 September 2019	13 September 2024

NO	NAME OF MOU / MOA / LOA / LOC / LOI	LEVEL OF MOU / MOA / LOA / LOC / LOI (NATIONAL / INTERNATIONAL)	STARTING DATE	ENDING DATE
2.	MoU between Universiti Teknologi Malaysia (UTM) and Universitas Negeri Malang (UM)	International	01 June 2021	31 May 2023
3.	MoA between Universiti Teknologi Malaysia (UTM) and Uyemura (Malaysia) Sdn Bhd	International	8 March 2017	7 March 2019

TEACHING ACTIVITIES

Summary	
Total Credit Hours	79

UNDERGRADUATES

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
1.	2022/2023	1	SSCC4793	Inorganic Energy Materials	3	22
2.	2022/2023	1	SSCC1851	Inorganic Chemistry Practical I	1	22
3.	2022/2023	1	SSCC1851	Inorganic Chemistry Practical I	1	20
4.	2021/2022	2	SSCC1713	Main Group Elements	3	29
5.	2021/2022	2	SSCC4753	Catalytic Chemistry	3	66
6.	2021/2022	2	SSCC1851	Inorganic Chemistry Practical I	1	16
7.	2021/2022	2	SSCC2851	Inorganic Chemistry Practical II	1	19
8.	2021/2022	1	SSCC1703	Inorganic Chemistry	3	47
9.	2021/2022	1	SSCC1703	Inorganic Chemistry	3	25
10.	2021/2022	1	SSCC1703	Inorganic Chemistry	3	23
11.	2021/2022	1	SSCC1851	Inorganic Chemistry Practical I	1	21
12.	2021/2022	1	SSCC1851	Inorganic Chemistry Practical I	1	20
13.	2020/2021	2	SSCC4753	Catalytic Chemistry	3	53
14.	2020/2021	2	SSCC2851	Inorganic Chemistry Practical II	1	22
15.	2020/2021	2	SSCC2851	Inorganic Chemistry Practical II	1	22
16.	2020/2021	2	SSCC1851	Inorganic Chemistry Practical I	1	30
17.	2020/2021	1	SSCC1703	Inorganic Chemistry	3	38
18.	2020/2021	1	SSCC1851	Inorganic Chemistry Practical I	1	19

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
19.	2019/2020	2	SSCC4753	Catalytic Chemistry	3	42
20.	2019/2020	2	SSCC2851	Inorganic Chemistry Practical II	1	24
21.	2019/2020	2	SSCC2851	Inorganic Chemistry Practical II	1	24
22.	2019/2020	1	SSCC1703	Inorganic Chemistry	3	34
23.	2019/2020	1	SSCC1851	Inorganic Chemistry Practical I	1	56
24.	2019/2020	1	SSCC1851	Inorganic Chemistry Practical I	1	58
25.	2018/2019	2	SSCC2713	Coordination Chemistry	3	62
26.	2018/2019	2	SSCC4753	Catalytic Chemistry	3	34
27.	2018/2019	2	SSCC2851	Inorganic Chemistry Practical II	1	62
28.	2018/2019	1	SSCC1014	Principles of Chemistry	1	67
29.	2018/2019	1	SSCM1303	Literation of Computer	3	24
30.	2018/2019	1	SSCC1851	Inorganic Chemistry Practical I	1	67
31.	2018/2019	1	SSCC1851	Inorganic Chemistry Practical I	1	62
32.	2017/2018	2	SSCC4753	Catalytic Chemistry	3	20
33.	2017/2018	2	SSCC2851	Inorganic Chemistry Practical II	1	48
34.	2017/2018	2	SSCC2851	Inorganic Chemistry Practical II	1	42
35.	2017/2018	1	SSCC1014	Principles of Chemistry	1	62
36.	2017/2018	1	SSCC1703	Inorganic Chemistry	3	62
37.	2017/2018	1	SSCC1851	Inorganic Chemistry Practical I	1	62
38.	2017/2018	1	SSCC1851	Inorganic Chemistry Practical I	1	39
39.	2016/2017	2	SSCC2713	Coordination Chemistry	3	25
40.	2016/2017	2	SSCC2851	Inorganic Chemistry Practical II	1	39
41.	2016/2017	2	SSCC2851	Inorganic Chemistry Practical II	1	25
42.	2016/2017	1	SSCC1703	Inorganic Chemistry	3	45
43.	2016/2017	1	SSCC1851	Inorganic Chemistry Practical I	1	45
44.	2016/2017	1	SSCC1851	Inorganic Chemistry Practical I	1	41
Total credits					76	1621

POSTGRADUATES

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
1.	2018/2019	1	MSCK1713	Advanced Inorganic Chemistry	3	13
Total credits					03	13

SUPERVISION

Summary	
Main Supervisor - PhD. (Graduated)	1
Co-Supervisor - PhD. (Graduated)	10
Main Supervisor - PhD. (Ongoing)	1
Co-Supervisor - PhD. (Ongoing)	3
Main Supervisor - Master by Research (Graduated)	0
Main Supervisor - Master by Research (On-Going)	2
Main Supervisor - Master by Mixed-Mode (Graduated)	2
Main Supervisor - Master by Mixed-Mode (On-Going)	0
Main Supervisor - Undergraduate (Graduated)	14
Main Supervisor - Undergraduate (On-Going)	3

PhD. Student

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
1.	Norfarahim Binti Mohd Tubillah Register on xxx	PSC203010	On-going 2020 – present	Preparation of TiO ₂ -based thin film by magnetron sputtering for the photodegradation of microplastics	Main supervisor
2.	Lok Tow Jie Register on xxx	PSC213018	On-going	Synthesis and Characterization of Itaconatebased Polymer as Biobased Photocurable Resin for 3D Printing	Co-supervisor
3.	Nurshahira Binti Mohd Rozi Register on xxx	PSC193004	On-going 2019 - Present	Green synthesis of Ag/TiO ₂ nanoparticles from xanthenes of Garcinia mangostana	Co-supervisor
4.	M. Jasmin Fathi Bin Jasni Register on xxx	PS133023	Graduated	Fabrication and characterization of composite nylon 6,6, polysulfone and polystyrene electrospun membranes for bis-phenol a (BPA) removal	Main supervisor
5.	Gimba Joshua Dagil Register on xxx	PSC183027	On-going	Synthesis and application of silica coated magnetic organically functionalized composites for metal ions removal	Co-supervisor

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
6.	Siti Hajar Binti Alias Register on xxx	PSC153026	Graduated	Density Functional Theory Study, Synthesis and Characterization of Carbon-Doped Titanium Dioxide Photocatalyst Driven by Visible Light	Co-supervisor
7.	Yakubu Rufai Register on xxx	PSC163041	Graduated	Extraction of <i>Deinbollia pinnata</i> leaves for the synthesis of TiO ₂ nanoparticles	Co-supervisor
8.	Nur Syafiqah Binti Elias Register on xxx	PSC173111	Graduated	Oil Palm Leaves Derived Nanocellulose-Silica Polyethersulfone Hybrid Membrane For Activation And Stabilization Of <i>Candida Rugosa</i> Lipase	Co-supervisor
9.	Shakhawan Ahmad Mhamad Register on xxx	PSC183004	Graduated	Bismuth Ferrite-Based Photocatalysis	Co-supervisor
10.	Emmanuel Onoja Register on xxx	PSC153029	Graduated	Oil Palm Leaves Ash Silicamagnetite <i>Candida Rugosa</i> Lipase Nanoconjugates for Synthesis of Butyl Butyrate	Co-supervisor
11.	Farah Syuhada Binti Abdul Halim Register on xxx	PSC143019	Graduated	Carbon-Containing Titania Coated Stainless Steel Prepared by High Voltage Powder Spray Coating and Its Adhesion Phenomena	Co-supervisor
12.	Nur Izzati Binti Abu Bakar Register on xxx	PSC143018	Graduated	Well Aligned One Dimensional-Like Titania Liquid Crystals Composite Photocatalyst Synthesized Under Magnetic Field	Co-supervisor
13.	Mohamad Haqzim Bin Ayob Register on xxx	PS123042	Graduated	Synthesis and Characterization of Cobalt-based Catalysts for Oxidation, Photooxidation and Photodegradation Reactions	Co-supervisor
14.	Nurul Najidah Binti Mohamed Register on xxx	PS123009	Graduated	The Preparation of <i>Averrhoa Bilimbi</i> -Derived Carbon/Titania Composite And Its Structure-Function Relationship in Photocatalytic and Catalytic Reactions	Co-supervisor
15.	Shafiyah Binti Pondi Register on xxx	PS113035	Graduated	Controlled Release Of Curcumin From Poly Lactide Coglycolide Acid Albumin Curcumin And Silica Albumin Curcumin Drug Delivery Systems	Co-supervisor

MSc. Student

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
1.	Santush A/L Suras Kumar Registered on XX XXXX 2022	MSC203008	On-going 2020 – present	Structure-property relationship of modified titania nanoparticles in hollow copper oxide shell for photodegradation of antibiotic residues	Main supervisor
2.	Nur Amirah Binti Ibrahim Registered on 02 November 2021	MSC213005	On-going 2021 - present	Microalgae-Mediated Biosynthesis of Titania Nanoparticles for antibacterial application and photodegradation of paracetamol	Main supervisor
3.	Imad Eddine Aouissi Registered on XX XXXX 2022	MSC182002	Graduated	Phytochemical Assisted Synthesis of Nanostructured Titania using <i>Azadirachta Indica</i> Leaf Extract and its Photodegradation on Methyl Orange	Main supervisor
4.	Abdul Fatah Bin Deraman Registered on XX XXXX 2022	MSC173028	On-going	Fire-retardancy and self- cleaning properties of wood coated by titania-based photocatalysts	Main supervisor
5.	Nur Adilah Binti Hussien Registered on XX XXXX 2022	MSC153002	Graduated	Density Functional Theory Calculation and Synthesis Of Carbon Doped Zinc Oxide as a Visible-Light Driven Photocatalyst	Co-supervisor
6.	Nur Hasanah Binti Zulfemi Registered on XX XXXX 2022	MSC162034	Graduated	Synthesis of Size- Controlled Titania Nanoparticles as Transparent Coating on Polycarbonate Car Headlights for Self- Cleaning Purposes	Main Supervisor
7.	Nursyafiqah Binti Elias Registered on XX XXXX 2022	MSC153047	Graduated	Candida Rugosa Lipase Supported on Biomassbased Nanocellulosesilica Hybrid Polyethersulfone Membrane for Synthesis Of Pentyl Valerate Nbsp	Co-supervisor
8.	Tharishinny A/P Raja Mogan Registered on XX XXXX 2022	MSC162019	Graduated	Synthesis of titania inverse opal containing single gold nanoparticle per void for the photodegradation of methyl orange	Main Supervisor
9.	Nur Syamimi Binti Mohd Syafie Register on	MSC162024	Graduated	Green Synthesis, Characterization and Antibacterial Activity of Nanoparticles Using	Co-supervisor

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
	XX XXXX 2022			<i>Garcinia mangostana</i> Linn. Extract	

Undergraduate

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
1.	Yap Zhi Shing	A19SC0432	On-going	Preparation of thermo-responsive polymer/TiO ₂ for the photodegradation of tetracycline	Main supervisor
2.	Elis Osman	A19SC0062	On-going	Preparation of pH-responsive polymer/TiO ₂ for the photodegradation of organic pollutant	Main supervisor
3.	Nor Ziha Sakina Mohiyar	A19SC0237	On-going	TiO ₂ /CuO from recycled printed circuit boards for the photodegradation of organic pollutant	Main supervisor
4.	Fariha Maryam Binti Muhammad Faisal	A18SC0052	Graduated	Environmentally Friendly Synthesis of Copper Oxide Nanoparticles from Waste Printed Circuit Boards as Photocatalyst in the Photodegradation of Tetracycline	Main supervisor
5.	Lee Hin Wei	A18SC0088	Graduated	Biosynthesis of Titania Nanoparticles from the Extracts of Propolis as Photocatalyst in the Photodegradation of Chloridazon	Main supervisor
6.	Elaine Kong Man Yi	A18SC0044	Graduated	Synthesis of Copper Oxide Nanoparticles from Waste Sim Cards as Photocatalyst in the Photodegradation of Phenol	Main supervisor
7.	Nurfatin Azira Binti Karyadi	A18SC0246	Graduated	Phytochemical-assisted Synthesis of Titania Nanoparticles using <i>Cassia alata</i> Leaf Extract as Photocatalyst in the Photodegradation of Bisphenol A	Main supervisor
8.	Nur Amirah Binti Ibrahim	A17SC0135	Graduated	The effect of different copper oxide sources on the synthesis of titania nanoparticles encapsulated in a hollow copper oxide shell as photocatalyst for the photodegradation of Bisphenol A	Main supervisor

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
9.	Nur Ismalina Binti Ibrahim	A17SC0154	Graduated	Synthesis, characterization and photocatalytic performance of titania nanoparticles prepared via sol-gel and pulse laser ablation	Main supervisor
10.	Mohammad Khairin Hadif Bin Arman	A17SC0084	Graduated	Preparation of porphyrin/Titania on stainless steel by magnetron sputtering as sensor for detection of copper and cadmium metal ions	Main supervisor
11.	Santush A/L Suras Kumar	A16SC0247	Graduated	Preparation of Titania/Hollow Copper Oxide as Photocatalyst in the Photodegradation of Organic Pollutant	Main supervisor
12.	Nurfarhana Binti Shukri	A16SC0206	Graduated	Synthesis of hydrogenated titania and its photocatalytic activity in the photodegradation of phenol	Main supervisor
13.	Shahrul Ezlan Bin Mohd Aleff	A15SC0251	Graduated	Effect of polymer and titania loading on fire-retardancy of wood	Main supervisor
14.	Ai Chia Patrick Melet	A15SC0007	Graduated	Preparation of Gold/Silver Core Shell Nanoparticles for Colorimetric Sensing And As Photocatalyst in the Degradation of Organic Dye	Main supervisor
15.	Mohamad Fadhli Bin Mohamed Amin @ Azmin	A14SC0311	Graduated	Inkjet Printing of Titania Photocatalyst	Main supervisor
16.	Charumathy Menon A/P Ramesh	A14SC0031	Graduated	Synthesis of Titania Nanoparticles by Laser Ablation Of Titanium Metal	Main supervisor
17.	Irham Bin Parno	A13SC0046	Graduated	Titania-based photocatalysts functionalized on stainless steel by an automatic film applicator and its photocatalytic antibacterial activity	Main supervisor

UTM POSTGRADUATE EXAMINATION / VIVA

Summary	
PhD. Internal Examiner	0
MSc. Internal Examiner	7
Fast Track Student Examiner	0

Others Examiner	3
-----------------	---

MSc. Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1.	Internal Examiner	Nuridayah Binti Yusmaidi (Dissertation)	Biodiesel Production from Refined Cooking Oil using Alumina Supported Calcium/M* (M*=Lanthanum, Cerium and Praseodymium) Oxides Catalysts	2020
2.	Internal Examiner	Nurfarahim Binti Mohd Tubillah (Dissertation)	Biosynthesized Silver Nanoparticles Immobilized on Eggshell Waste Powder as Catalyst for Reduction of 4-Nitrophenol	2020
3.	Internal Examiner	Annisa Ulhusna (Dissertation)	The Removal of Lead from Aqueous Solution by Green Synthesis of Adsorbents Modified by Ciku Leaf Extract	2020
4.	Internal Examiner	Fazleen Binti Kamaludin	Biosynthesis of Gold Nanoparticle / Peanut Shell Composite using Phaleria Macrocarpa Fruit Extract and Its Catalytic Activity in Reduction of Methyl Blue	2019
5.	Internal Examiner	Nor Arbani Sean (Dissertation)	The Effect of Calcination Temperature on the Structure And Photocatalytic Activity of Carbon Doped Titanium Dioxide Prepared via Sol-Gel Route	2017
6.	Internal Examiner	Aida Rasyidah Azman (Dissertation)	Visualization of Latent Fingerprints on Stainless Steel Knives Immersed in a Natural Outdoor Pond using Candida Rugosa Nanoconjugates	2016
7.	Internal Examiner	Syafianes Nadiela Zulkiflee (Dissertation)	Development of Latent Fingerprint on Non-Porous Surfaces Immersed in Water	2016

Others Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1.	FYA Internal Examiner	Amirul Fadzli Bin Aini	Synthesis, characterization and antibacterial study of novel triazole Schiff base copper complexes	2022
2.	FYA Internal Examiner	Alice Sim Hui Li	Multifunctional Chitosan-Tin Modified Titanium Dioxide as Oxidation Catalyst and Photocatalyst for Antibacterial Application	2022
3.	FYA Internal Examiner	Leong Cheng Yee	Multifunctional Polydimethylsiloxane Coated-(Chitosan Modified Silver-Doped Titanium Dioxide Nanoparticles)	2020

NO	ROLE	STUDENTS NAME	TITLE	YEAR
			Photocatalyst for Antibacterial and Antifungal Activity	

EXTERNAL POSTGRADUATE EXAMINATION / VIVA

Summary	
PhD. External Examiner	0
MSc. External Examiner	3
Fast Track Student Examiner	0
Others Examiner	0

MSc. External Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1.	External Examiner	Dayang Siti Faten Su'aidah binti Haji Saman	Modification of Graphitic Carbon Nitride as a Visible Light Photocatalyst for Hydrogen Production	2022
2.	External Examiner	Syahrina Nur 'Ain Binti Abdul Halim	Synthesis and Structure Elucidation of Ag(I) and Au(I) Complexes Constructed from Thiosemicarbazones and Phosphine Ligands	2020
3.	External Examiner	Nur Husna Zainal Abidin	Synthesis of Mesoporous MGM-41 AND SBA-15 Silica for Determination of Organophosphorus Pesticides in Fruit Samples by using Dipersive and Magnetic Solid Phase Extraction	2019

PUBLICATIONS

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
1.	Insights into the Titania (TiO ₂) Photocatalysis on the Removal of Phthalic Acid Esters (PAEs) in Water	Bulletin of Chemical Reaction Engineering & Catalysis	1978-2993	17	3	608-626	2022	0.24	Journal	ISI	Q3
2.	Phytochemical-assisted Synthesis of Titania Nanoparticles using Azadirachta indica Leaf Extract as Photocatalyst in the	Bulletin of Chemical Reaction Engineering & Catalysis	1978-2993	17	4	683-698	2022	0.24	Journal	ISI	Q3

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
	Photodegradation of Methyl Orange										
3.	Biosynthesis of Gold Nanoparticles Using <i>Carallia brachiata</i> Leaf Extract and Their Catalytic Application in the Reduction of 4-Nitrophenol	Frontiers in Chemistry	2296-2646	9	800145	800145	2022	5.545	Journal	ISI	Q2
4.	Synthesis of bismuth ferrite by sol-gel auto combustion method: Impact of citric acid concentration on its physicochemical properties	Materials Chemistry & Physics	02540584	282	-	125983	2022	0.75	Journal	ISI	Q2
5.	Physicochemical properties and operational stability of Taguchi design-optimized <i>Candida rugosa</i> lipase supported on biogenic silica/magnetite/graphene oxide for ethyl valerate synthesis	Advanced Powder Technology	0921-8831	33	1	103374	2022	4.969	Journal	ISI	Q2
6.	Taguchi orthogonal design assisted immobilization of <i>Candida rugosa</i> lipase onto nanocellulose-silica reinforced polyethersulfone membrane: physicochemical characterization and operational stability	Cellulose	0969-0239	28	9	5669–5691	2021	6.123	Journal	ISI	Q1
7.	Performance of <i>Candida rugosa</i> lipase supported on nanocellulose-silica-reinforced polyethersulfone	Molecular Catalysis	2468-8231	54	-	111852	2021	5.089	Journal	ISI	Q2

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
	ne membrane for the synthesis of pentyl valerate: Kinetic, thermodynamic and regenerability studies										
8.	Terephthalic acid Bis-(2-ethylhexyl) ester; An isomeric phthalate from deinbollia pinnata leaves	Malaysian Journal of Chemistry	15112292	23	1	70-73	2021	0.14	Journal	SCOPUS	Q4
9.	Influence of Solvents' Polarity on the Physicochemical Properties and Photocatalytic Activity of Titania Synthesized Using Deinbollia pinnata Leaves	Frontiers in Chemistry	2296-2646	8	597980	597980	2020	5.545	Journal	ISI	Q2
10.	Rapid Synthesis of Pure Phase Bismuth Ferrite through Modified Sol-gel Auto-ignition Method: Impact of Different Chelating Agents	Chemistry Select	2365-6549	5	43	3584–13590	2020	2.307	Journal	ISI	Q3
11.	Carbon-containing-titania coated stainless steel prepared by high voltage powder spray coating and its adhesion phenomena	Progress in Organic Coatings	0300-9440	147	105782	105782	2020	6.206	Journal	ISI	Q1
12.	Structure and properties of lipase activated by cellulose-silica polyethersulfone membrane for production of pentyl valerate	Carbohydrate Polymers	0144-8617	245	116549	116549	2020	10.723	Journal	ISI	Q1
13.	Antiradical Activity Of 1,4- and 1,2-Benzene	Journal of Chemical Society of Nigeria		45	6	1177–1187	2020		Journal	NON-INDEXED	

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
	Dicarboxyl Esters from Deinbollia Pinnata Leaves										
14.	Kinetic of Adsorption Process of Sulfonated Carbon-derived from Eichhornia crassipes in the Adsorption of Methylene Blue Dye from Aqueous Solution	Bulletin of Chemical Reaction Engineering and Catalysis	1978-2993	14	1	17-27	2019	0	Journal	ISI	Q4
15.	Capillary electrophoresis for the analysis of antidepressant drugs: A review	Journal of Separation Science	1615-9306	42	4	906-924	2019	3.614	Review	ISI	Q2
16.	Synthesis of carbon self-doped titanium dioxide and its activity in the photocatalytic oxidation of styrene under visible light irradiation	Malaysian Journal of Fundamental and Applied Sciences	2289-5981	15	2	291-297	2019	0	Journal	ISI	Q4
17.	Titania nanoparticles coated on polycarbonate car headlights for self-cleaning purpose	Journal of Physics: Conference Series	17426588	1321	2	022032	2019		Journal	INDEXED	Q4
18.	Effect of operative variables and kinetic study of butyl butyrate synthesis by Candida rugosa lipase activated by chitosan-reinforced nanocellulose derived from raw oil palm leaves	Enzyme and Microbial Technology	0141-0229	130	109367	109367	2019	3.705	Journal	ISI	Q2
19.	Oil Palm (Elaeis guineensis) Biomass in Malaysia: The Present and Future Prospects	Waste and Biomass Valorization	1877-2641	10	8	2099-2117	2019	3.449	Journal	ISI	Q3

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
20.	One-Dimensional-Like Titania/4'-Pentyl-4-Biphenylcarbo nitrile Composite Synthesized Under Magnetism Field and its Structure-Photocatalytic Activity Relationship	Frontiers in Chemistry	2296-2646	6	370	370	2018	5.545	Journal	ISI	Q2
21.	Extraction of nanosilica from oil palm leaves and its application as support for lipase immobilization	Journal of Biotechnology	0168-1656	283	0	81-96	2018	3.595	Journal	ISI	Q2
22.	Enzymatic synthesis of butyl butyrate by Candida rugosa lipase supported on magnetized-nanosilica from oil palm leaves: Process optimization, kinetic and thermodynamic study	Journal of the Taiwan Institute of Chemical Engineers	1876-1070	91	0	105-118	2018	5.477	Journal	ISI	Q1
23.	Characterization, optimization, and stability studies on Candida rugosa lipase supported on nanocellulose reinforced chitosan prepared from oil palm biomass	International Journal of Biological Macromolecules	0141-8130	114	0	306-316	2018	8.025	Journal	ISI	Q1
24.	Release of curcumin incorporated in albumin loaded silica	Malaysian Journal of Fundamental and Applied Sciences	2289-5981	14	1	109-115	2018	0.115	Journal	ISI	Q4
25.	High Profile Researcher: Prof. Dr. Ahmad Fauzi Ismai	Malaysian Journal of Fundamental and Applied Sciences	2289-5981	14	1	i-iii	2018	0.115	Journal	ISI	Q4
26.	Preparation of titania on stainless steel by the Spray-	Applied Sciences	2076-3417	7	7	698	2017	2.838	Journal	ISI	Q3

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
	ILGAR technique as active photocatalyst under UV light irradiation for the decomposition of acetaldehyde										
27.	Structure and properties of oil palm-based nanocellulose reinforced chitosan nanocomposite for efficient synthesis of butyl butyrate	Carbohydrate Polymers	0144-8617	176		281-292	2017	10.723	Journal	ISI	Q1
28.	Insights into the physicochemical properties of the Malaysian oil palm leaves as an alternative source of industrial materials and bioenergy	Malaysian Journal of Fundamental and Applied Sciences	2289-5981	13	4	623-631	2017	0.115	Journal	ISI	Q4
29.	Titania-Loaded Coal Char as Catalyst in Oxidation of Styrene with Aqueous Hydrogen Peroxide	International Journal of Chemical Reactor Engineering	2194-5748	15	1	45-55	2017	1.636	Journal	ISI	Q4
30.	Effect of magnetic field on the synthesis of well-aligned TiO ₂ -5CB by sol-gel method	Malaysian Journal of Fundamental and Applied Sciences	2289-5981	13	4	690-692.	2017	0.115	Journal	ISI	Q4
31.	High voltage powder spray coating as a new method for the preparation of carbon-titania coated stainless steel	Malaysian Journal of Fundamental and Applied Sciences	2289-5981	13	4	812-816	2017	0.115	Journal	ISI	Q4
32.	Titania-based photocatalysts functionalized on stainless steel and its photocatalytic antibacterial activity	Malaysian Journal of Catalysis	0128-2581	2	2	67-72	2017		Journal	NON-INDEXED	

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
33.	Textile/Al ₂ O ₃ -TiO ₂ nanocomposite as an antimicrobial and radical scavenger wound dressing	RSC Advances	20462069	6	10	8188-8197	2017	0.67	Journal	ISI	Q1
34.	New method to synthesize mesoporous titania by photodegradation of surfactant template	Solid State Sciences	12932558	52	0	83-91	2016	0.557	Journal	ISI	Q2
35.	Self-cleaning TiO ₂ -SiO ₂ clusters on cotton textile prepared by dip-spin coating process	Jurnal Teknologi	01279696	78	7	113-120	2016	0.203	Journal	ISI	Q3
36.	Hydrophobic effect of silica functionalized with silylated Ti-salicylaldehyde complex on limonene oxidation by aqueous hydrogen peroxide	Journal of Chemical Sciences	09743626	127	11	1905-1917	2016	2.15	Journal	ISI	Q3
37.	Synthesis and characterization of hollow anatase TiO ₂ spheres and its application in the photodegradation of γ -lindane under ultraviolet light	Applied Mechanics and Materials	1662-7482	699		245-250	2015		Journal	SCOPUS	
38.	Utilization of low rank coal as oxidation catalyst by controllable removal of its carbonaceous component	Journal of the Taiwan Institute of Chemical Engineer	18761070	46		183-190	2015	0.8	Journal	ISI	Q1
39.	Ti-Phenyl nanoparticles encapsulated in mesoporous silica as active and selective catalyst for the oxidation of alkenes	Catalysis Communications	1566-7367	46		150-155	2014	3.51	Journal	ISI	Q3
40.	The role of Ti and Lewis acidity in manganese	Bulletin of Chemical Reaction	19782993	9	1	28-38	2014	0.315	Journal	ISI	Q4

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
	oxide octahedral molecular sieves impregnated with titanium in oxidation reactions	Engineering and Catalysis									
41.	Effect of graphene oxide on the structural and electrochemical behavior of polypyrrole deposited on cotton fabric	Journal of Molecular Structure	0022-2860	1075		486-493	2014	3.841	Journal	ISI	Q3
42.	Preparation of anatase TiO ₂ hollow spheres and their photocatalytic performance on the degradation of chlorpyrifos	Journal of the Chinese Chemical Society	00094536	61		1211-1216	2014	0.306	Journal	ISI	Q3
43.	Synthesis and Characterization of Cobalt(II) Salicylaldimine Complex Supported on Silica Covered Magnetite	Jurnal Teknologi	01279696	69	5	21-23	2014	0.203	Journal	ISI	Q3
44.	Preparation of Hierarchical Porous Carbon Derived from Averbhoa Bilimbi and Its Diffusion Properties	Jurnal Teknologi	01279696	69	5	61-64	2014	0.203	Journal	ISI	Q3
45.	Titanium Dioxide-Supported Sulfonated Low Rank Coal as Catalysts in the Oxidation of Styrene with Aqueous Hydrogen Peroxide	Jurnal Teknologi	01279696	69	5	71-79	2014	0.203	Journal	ISI	Q3
46.	Some Aspects of Particulate in Heterogeneous Catalysts	Jurnal Teknologi	01279696	69	5	95-101	2014	0.203	Journal	ISI	Q3
47.	The Study of Albumin Release from Silica/Albumin as a Potential Drug Delivery Carrier	Jurnal Teknologi	01279696	69	5	113-117	2014	0.203	Journal	ISI	Q3

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
48.	Preparation and reaction of titania particles encapsulated in hollow silica shells as an efficient photocatalyst for stereoselective synthesis of pipecolinic acid	Chemistry Letters	0366-7022	41	7	677-679	2012	1.715	Journal	ISI	Q4
49.	Preparation, characterization and photocatalytic performance of titania particles encapsulated in hollow silica shells as an efficient photocatalyst for redox-combined stereoselective synthesis of L-pipecolinic acid from L-lysine	Journal of Photochemistry and Photobiology A: Chemistry	1010-6030	246		50-59	2012	5.141	Journal	ISI	Q1
50.	Synergistic role of Lewis and Brønsted acidities in Friedel-Crafts alkylation of resorcinol over gallium-zeolite beta	Catalysis Communications	1566-7367	12	9	822-825	2011	3.51	Journal	ISI	Q3
51.	Friedel-Crafts alkylation of resorcinol over mesoporous alumina loaded with sulfuric acid	International Journal of Chemical Reactor Engineering	2194-5748	8	A40		2010	1.636	Journal	ISI	Q4
52.	Reactivity and Reusability of Mesoporous Alumina Nanoparticles Modified with Sulfuric Acid and Niobic Acid in the Alkylation of Resorcinol	Malaysia Journal of Fundamental Sciences and Applied Sciences	22895981	4	1	321-327	2008	0.155	Journal	ISI	Q4
53.	Effect of Templates on the Synthesis of Organized Mesoporous Alumina Nanoparticles	The Malaysian Journal of Analytical Sciences	13942506	11	2	110-116	2007	0.183	Journal	-	Q4

NO.	TYPE	TITLE	YEAR	AUTHOR
	a. INDEXED PROCEEDINGS / CONFERENCE b. NON- INDEXED PROCEEDINGS / CONFERENCE c. SEMINARS / WORKSHOPS d. THESIS e. ORIGINAL BOOK f. EDITED BOOK g. BOOK CHAPTER h. CLASSIFIED / TECHNICAL / EXPERT REPORT i. POLICY PAPER			
	Book Chapter	XXX	2020	XXX
	Proceeding	Synthesis of Hydrogenated Titania and its Photocatalytic Activity in Photodegradation of Phenol	2020	N. Shukri and S. Chandren,
	Proceeding	Fire-retardancy of wood coated by titania nanoparticles	2019	A.F. Deraman and S. Chandren,
	Proceeding	Preparation of Gold/Silver Core-Shell Nanoparticles for Colorimetric Sensing and as Photocatalyst in the Degradation of Organic Dye	2019	A.C.P Melet, S. Chandren and W. Dungchai
	Proceeding	Preparation of Titania Photocatalyst Inks for Inkjet Printing onto Indium Tin Oxide Substrate	2018	M.F.M Amin and S. Chandren
	Proceeding	Synthesis of titania with different shapes	2014	H. Nur, S. Chandren, L.S. Yuan
	Non-Indexed Proceeding	Myrise as a Pioneering Model to Catalyze Integrated Research Excellence for Science Undergraduate Students	2020	Co-Author
	Non-Indexed Proceeding	Virtual Gallery Walks to Enhance Students Competency in Spectra Analysis	2020	Co-Author
	Non-Indexed Proceeding	Service Learning to Enhance Graduate Attributes and Perception Towards Sciences; Jelajah Sains Siti Hjiau	2020	Co-Author
	Book Chapter	Usage of titania (TiO ₂) photocatalyst in antibacterial applications	2020	S. Chandren and N.N. Mohamed
	Book Chapter	Synthesis of the rose fragrance geranyl propionate by physically adsorbed multi-walled carbon nanotubes <i>Candida Rugosa</i> lipase	2017	S. Chandren, S.A. Ismail and R.A. Wahab
	Book Chapter	Hollow Core-Shell Titania Photocatalysts for Selective Organic Synthesis	2016	S. Chandren, B. Ohtani

NO.	TYPE a. INDEXED PROCEEDINGS / CONFERENCE b. NON- INDEXED PROCEEDINGS / CONFERENCE c. SEMINARS / WORKSHOPS d. THESIS e. ORIGINAL BOOK f. EDITED BOOK g. BOOK CHAPTER h. CLASSIFIED / TECHNICAL / EXPERT REPORT i. POLICY PAPER	TITLE	YEAR	AUTHOR
	Book Chapter	Aligned titanium dioxide catalyst synthesized under magnetic field	2014	S. Chandren, N. Attan, H. Nur
	Book Chapter	Functional mesoporous alumina materials	2014	S. Chandren, Z. Ramli, H. Nur
	Book Chapter	Modification of TiO ₂ with carbon layer	2014	S. Lubis, S. Chandren, H. Nur
	Book Chapter	Phase-boundary catalysts for oxidation reactions	2014	N.H.M. Ran, S. Chandren, H. Nur
	Scientific Magazine	Fotomangkin Sebagai Ejen Pemeliharaan Alam Sekitar	2019	S. Chandren

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

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1.	Invited Speaker	Global Conference of Nano Technology 2022)	2022	Virtual
2.	Evaluator	IGCESH 2022 – Best Presenter Award	15th August 2022	Virtual
3.	Judge	Green Chemistry Challenge 2022	15 January 2022	Virtual
4.	Poster Presenter	YSN-ASM International Scientific Virtual Conference (ISVC), “Biosynthesis of titania nanoparticles from the extract of <i>Deinbollia pinnata</i> leaves and its photocatalytic activity in the photodegradation of organic pollutant” – Won the Young Investigator Award.	25 March – 1 April 2021	Virtual
5.	Participant	Young Scientists Network-ASM (YSN-ASM) Colloquium	13 – 15 December 2019	Palace of Golden Horses, Seri Kembangan
6.	Oral highlight presenter	ASEAN Emerging Researchers Conference, “Utilization of Spray-ILGAR	9 – 10 December 2019	Sunway University

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
		Technique for the Preparation of Titania on Stainless Steel Photocatalyst for the Decomposition of Acetaldehyde”.		
7.	Chairperson	7th International Symposium on Applied Engineering and Sciences (SAES 2019)	11 November 2019	Bilik Tutorial 12, Faculty of Biotechnology and Biomolecular Sciences, University Putra Malaysia (UPM)
8.	Oral presenter	7 th International Symposium on Applied Engineering and Science (SAES 2019) “Polycarbonate Coated with Titania Nanoparticles for Self-Cleaning Purpose in Car Headlights”.	11 – 12 November 2019	Bilik Tutorial 12, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia,
9.	Oral presenter	7 th International Conference and Workshop on Basic and Applied Sciences (ICOWOBAS 2019), “Effect of polymer and titania loading on the fire-retardancy of wood”.	14 – 18 July 2019	KSL Resorts, Johor Bahru
10.	Oral presenter	5th International Conference on Mathematics, Science and Education (ICMSE) “Titania nanoparticles coated on polycarbonate car headlights for self-cleaning purpose”.	8 - 9 October 2018	Bali, Indonesia
11.	Session Chair	Emerging Scientist Conference 2018 (ESCon 2018)	2 – 3 May 2018	Pulai Spring Resort, Johor Bahru
12.	Oral presenter	IEEE International Conference of Applied System Innovation (IEEE ICASI), “Preparation of Titania on Stainless Steel by Spray-ILGAR Technique as Active Photocatalyst under UV Light Irradiation for the Decomposition of Acetaldehyde” – Won the First Prize Paper Award.	2017	Hotel Emisia, Sapporo, Hokkaido, Japan
13.	Oral presenter	American Chemical Society – Asia Pacific International Chapters Conference, , “Preparation of titania inverse opal containing single gold nanoparticle per void for the photocatalytic	5 – 8 November 2017	Jeju Island, South Korea

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
		degradation of organic pollutant".		
14.	Poster presenter	International Conference in Catalysis (iCAT), "Photocatalytic Oxidation of Styrene by Well-Aligned Porous TiO ₂ Microrods with Liquid Crystal as the Structure-Aligning Agent under the Influence of Magnetic Field".	20 – 21 September 2016	Grand BlueWave Hotel, Johor Bahru
15.	Oral presenter	Renewable and Sustainable Energy Conference (IRSEC), "Synthesis of Titania with Different Shapes".	2014	Ouarzazate, Morocco
16.	Poster presenter	South East Asian Technical University Consortium (SEATUC) Symposium, "Preparation and Photocatalytic Properties of Titania Particles Encapsulated in Silica Shell".	2014	Puteri Pacific Hotel Johor Bahru
17.	Moderator and oral presenter	Technology, Education and Science International Conference (TESIC), , "Hollow Core-Shell Particles as Selective Catalyst for Photocatalytic Synthesis of Pipecolinic Acid from L-Lysine".	2013	Universiti Teknologi Malaysia
18.	Oral presenter	PRIME Meeting, , "Preparation and Reaction of Titania Particles Encapsulated in Hollow Silica Shells as an Efficient Photocatalyst for Stereoselective Synthesis of Pipecolinic Acid".	2012	Honolulu, Hawaii, USA
19.	Oral presenter	ACS Spring National Meeting & Exposition, "Photocatalytic Redoxcombined Synthesis of L-pipecolinic Acid from L-Lysine using Titania Particles Encapsulated in Silica Shell".	2012	, San Diego, California, USA
20.	Poster Presenter	5th International GCOE Symposium, "Synthesis and Photocatalytic Properties of Titania Encapsulated in Silica Shell" – Awarded Best Poster Presentation.	2012	Hokkaido University

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
21.	Poster Presenter	CRC International Symposium, "Selective Photocatalytic Synthesis of Pipicolinic Acid from L-Lysine by Hollow Core-Shell Particles".	2012	Hokkaido University
22.	Oral presenter	14th Asian Chemical Congress, "Synthesis and Photocatalytic Properties of Titania Particles Encapsulated in Silica Shell"	5 – 8 September 2011	Bangkok, Thailand
23.	Poster presenter	Nanotech Malaysia: International Conference on Enabling Science and Nanotechnology, "Modification of Hollow Core-shell Particles with Poly(amino) Acids to Induce Chirality".	1 – 3 December 2010	Kuala Lumpur
24.	Oral presenter	National Science Fellowship Seminar "Modified Mesoporous Alumina Nanoparticles as Catalyst for Friedel-Crafts Alkylation of Resorcinol" – Awarded Best Presenter.	December 2008	Kuala Lumpur
25.	Oral Presenter	International Conference on Nanoscience and Nanotechnology "Synthesis of Mesoporous Alumina Nanoparticles via Cationic Templating and Ultrasonic Treatment".	2008	Kuala Lumpur
26.	Oral Presenter	International Conference for Young Chemists "Effect of Ultrasonic on the Synthesis of Uniform Mesoporous Alumina Nanoparticles".	17 – 21 June 2008	Penang

PROFESSIONAL SERVICES

Copyright

NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	ROLE
1.	My Roadmap UTM Infographic	IP/CR/2017/1045	Inventor
2.	SHARE your EXPERIENCE: Research Industrial Training - SERI Module	IP/CR/2019/1049	Main Inventor

REFEREES

Professor Bunsho Ohtani Institute for Catalysis, Hokkaido University, Japan, Hokkaido, Sapporo-Shi, Kita-Ku, Kita 20, Nishi 5.	Professor Hadi Nur Ibnu Sina Institute for Fundamental Science Studies, Universiti Teknologi Malaysia, 81310 UTM Skudai, Johor, Malaysia
Tel: +81-11-706-9130 Email: ohtani@cat.hokudai.ac.jp	Tel: +6012-756-4647 Email: hadi@kimia.fs.utm.my

