



The National University of Malaysia
Universiti Kebangsaan Malaysia
Guardian of The Nation (*Pendaulat Amanah Negara*)
 CENTRE OF TEACHING AND LEARNING INNOVATION
 (*Pusat Inovasi Pembelajaran dan Pengajaran*)
 FACULTY OF EDUCATION, UKM (*Fakulti Pendidikan, UKM*)

NAME (<i>Nama</i>)	PROF. DR. KAMISAH OSMAN			
CURRENT POSITION (<i>Jawatan Sekarang</i>)	Profesor Pendidikan Sains			
OFFICE ADDRESS (<i>Alamat Pejabat</i>)	FACULTY OF EDUCATION/ FAKULTI PENDIDIKAN			
TELEPHONE NUMBER (<i>Nombor Telefon</i>)	03- 8921 6284 / 019- 288 4814			
EMAIL/WEBSITE (<i>E-Mel/ Laman Web</i>)	kamisah@ukm.edu.my			
ACADEMIC QUALIFICATION (<i>Kelayakan Akademik</i>)	Bachelor's Degree in Science Education (National University of Malaysia) Master's Degree in Science Education (University of Manchester, UK) PhD in Science Education (University of Manchester, UK)			
AREA OF SPECIALIZATIONS (<i>Bidang Kepakaran</i>)	Science Education Chemistry Education Higher Order Thinking Skills Measurement and Evaluation in Education			
RESEARCH INTEREST (<i>Bidang Penyelidikan</i>)	Science Education Chemistry Education Higher Order Thinking Skills Measurement and Evaluation in Education			
WORK EXPERIENCES (<i>Pengalaman Kerja (Di Ukm & Luar)</i>)	Tutor (DA2) University Lecturer (DS54) Deputy Director (Curriculum Development & Innovation) Professor (VK7)			
SUPERVISION OF STUDENTS: (<i>Penyeliaan (Tempoh 5 Tahun/ Tamat Pengajian)</i>)				
	Level	Finish	In Progress	Total
	Ph. D	8	32	40
	Master	26	11	37

No.	Title of Thesis (Tajuk Tesis)	Name of Students (Nama Pelajar)	Years (Tahun Lulus)	Stage of Supervision (Peringkat Penyelesaian)
Doctor of Philosophy				
1	Pembinaan Modul Pembangunan Karekter	Supiana	2016	Tamat
2	Penilaian Pelaksanaan Kurikulum Standard Sekolah Rendah Kssr Mata Pelajaran Dunia Sains Dan Teknologi	Rahayu Johari	2017	Tamat
3	Modul PLBD Kayeu: Pencapaian, Motivasi Intrinsik Dan Konsep Kendiri Dalam Pembelajaran Topik Tumbuhan	Cindy Wong Chee Yen	2017	Tamat
4	Pembangunan Dan Keberkesanan Modul MYKIMDG Terhadap Pencapaian Dalam Topik Garam, Kemahiran Abad Ke-21 Dan Motivasi Dalam Kimia	Lay Ah Nam	2017	Tamat
5	Keberkesanan Permainan Kuiz Berasaskan Komputer Disepadukan Dengan Kaedah Kuliah Terhadap Pencapaian Dan Sikap Pelajar Bagi Kursus Pengenalan Kejuruteraan Kimia	Ling Szu Szu	2018	Tamat
6	Pembangunan Dan Keberkesanan Makmal Maya Berbanding Makmal Fizikal Dalam Pembelajaran Topik Garam Kimia Tingkatan Empat	Murugan Mini Ratamun	2018	Tamat
7	Pencapaian Matlamat Pentaksiran Berasaskan Sekolah (PBS) Bagi Mata Pelajaran Sains: Satu Penilaian	Dewani Goloi	2018	Tamat
8	Hubungan antara kemahiran pedagogi guru dengan amalan penaksiran berasaskan Sekolah	Wong Li Li	2019	Tamat
9	Pembangunan Dan Keberkesanan Modul Tauhidik Stem Kids Terhadap Literasi Saintifik, Efikasi Kendiri Dan Nilai Murni Bagi Topik Tenaga	Nurazidawati Mohamad Arsad		Belum tamat
10	Pembinaan Modul Prismatic untuk Topik Kanta dan kesannya ke atas Kemahiran Penyelesaian Masalah.	Norazlilah Binti Md. Nordin		Belum tamat
11	Penilaian Keberkesanan Program Latihan Dalam Perkhidmatan Kemahiran Berfikir Aras Tinggi (KBAT) Mata Pelajaran Sains Sekolah Menengah	Natrah Mohamad		Belum tamat
12	Kemahiran Kebolehgajian dalam Kalangan Remaja B40	Puspalathaa A/P Armum		Belum tamat
13	Modul Pembelajaran Fizik dalam Kalangan Pelajar Luar Bandar	Norhaqikah Binti Mohamad Khalil		Belum tamat
14	Pembinaan Instrumen Kemahiran Proses Sains	Ellyza Binti Karim		Belum tamat
15	Pembangunan Dan Keberkesanan Makmal Maya Berbanding Makmal Fizikal Dalam Pembelajaran	Rezzuana Binti Razali		Belum tamat

	Topik Garam Kimia Tingkatan Empat			
17	The Development of PBL Module in Science Learning	Wael A A Muslamani		Belum tamat
19	Pembinaan Instrumen Penilaian Kemahiran Kritis dalam Kalangan Pelajar	Rabihah Mohd Ghazali		Belum tamat
21	Mathematical Thinking Beliefs and Mathematics Teaching Efficacy among Mathematics Teachers in Oman	Saoud Said Humood Al Hunaini		Belum tamat
22	Pembangunan Modul Kimia berasaskan Data Logging untuk pelajar PraUniversiti	Punia Binti Turiman		Belum Tamat
23	Developemnt of Computational Thinking Skills Instruments for Undergraduate Students	Debby Erce Sondakh		Belum Tamat
24	Faktor-faktor yang mempengaruhi Pemikiran Kritis dalam Kalangan Pelajar Sekolah Menengah di Malaysia	Zurinah Binti Yunus		Belum Tamat
26	Pembangunan Instrumen untuk Mengukur Kewarganegaraan Global dalam Kalangan Pelajar	Lim Sui Sian @ Susan Lim		Belum Tamat
27	Pembangunan dan Keberkesanan Modul Lab-MADI terhadap Kemahiran Penghujahan, Kemahiran Proses Sains dan Kefahaman Konsep dalam Topik Resapan	Irene Lue Leh Ping		Belum Tamat
28	Gaya Pembelajaran, Kemahiran Insaniah dan Pencapaian Akademik Pelajar Tingkatan Enam dan Matrikulasi	Nor Haliza Binti Che Hashim		Belum Tamat
29	Pembangunan dan Keberkesanan Modul CTiS terhadap Pencapaian, Kesedaran Metakognisi dan Kemahiran Pemikiran Komputasional	Nurun Najah Ellias		Belum Tamat
30	Pembangunan dan Keberkesanan Modul SainsTR-CT terhadap Pencapaian, Pemikiran Komputasional dan Motivasi Instrinsik	Tracy Anak Mensan		Belum Tamat
31	Pembangunan Model Kompetensi Kepimpinan Ketua Panitia Sains	Adawati Binti Suhaili		Belum Tamat
32	Pembangunan dan keberkesanan Modul COT-CEM	Samri Bin Chongo		Belum Tamat
34	Development of Module to Encourage Habits of Mind and Motivation Using Quranic Verses in Learning Science	Shafiya Rashid Said Alghammari		Belum Tamat
35	The Impact of Scaffolding Strategies among the Saudi Middle School Science Students for Higher Order Thinking	Khaled Saleh R. Alrawili		Belum Tamat
36	Sedang dalam perbincangan	Azizi Bin Alias		Belum Tamat
37	Sedang dalam perbincangan	Normala Binti Mohd Yusof		Belum Tamat
38	Model Persamaan Struktural bagi Hubungan antara Pengetahuan dengan Amalan Inkuiri Guru	Nur `Irma Diyana Binti Mohd Norbi		Belum Tamat

	Sains dalam Konteks KBSM			
39	Pembangunan dan Pengesahan Instrumen Disposisi Pemikiran Komputasional	Saralah A/P Sovey		Belum Tamat
40	Pembangunan Modul Tenaga Alternatif berasaskan STEM Terhadap Dimensi Sikap Pelajar Sekolah Luar Bandar	Syahriyal		Belum Tamat
Master				
17	Pembangunan Dan Keberkesanan Modul Pengajaran Dan Pembelajaran Ekstemit Terhadap Pencapaian Dan Pemupukan Pemikiran Inventif	Norhaslinda Binti Abdul Samad	2017	Tamat
24	Pembangunan Modul STEAM dan Kesannya ke atas Kemahiran Inventif	Edi Mohamra Bin Mustapa	2019	Tamat
31	Tahap Pengetahuan dan Keyakinan Diri terhadap Kemahiran Pemikiran Komputasional	Titik Rahayu		Belum Tamat
32	Pembangunan dan Keberkesanan Modul CT-CS terhadap Pemikiran Komputasional Pelajar untuk Topik Gerak Lurus	Isra Khasyyatillah		Belum Tamat
33	Efikasi Kendiri Pelajar dan Hubungannya dengan Kemahiran Komputasional	Norlizawaty Binti Baharin		Belum Tamat
34	Pemikiran Kritikal dalam Kalangan Pelajar Kolej Vokasional	Mohd Hasbi Mohamad		Belum Tamat
35	Hubungan antara sikap, motivasi dan pemikiran Kom	Nur Azira Binti Mat Rahim		Belum Tamat

No.	Latest Awards & Achievements (Anugerah Dan Pencapaian (2010 – Kini))	Year (Tahun)								
1	Excellent Instructor Award Universiti Kebangsaan Malaysia	2010								
2	Excellent Service Award Universiti Kebangsaan Malaysia	2010								
3	World Innovation in Education Summit Recognition Award in Curriculum and Innovation (WISE) Qatar Foundation	2012								
4	Highest Publication Award (SCOPUS) of Social Science Cluster Universiti Kebangsaan Malaysia	2014								
No.	Penerbitan (Jurnal, Buku, & Bab Dalam Buku) (2010 – Kini: 10 terbaik) (Latest Publications, Journal, Book & Chapter in Book –The best of 10)	Tahun (Year)								
	<table border="1"> <thead> <tr> <th>Type</th> <th>Jumlah</th> </tr> </thead> <tbody> <tr> <td>Jurnal</td> <td>85</td> </tr> <tr> <td>Buku</td> <td>15</td> </tr> <tr> <td>Bab dalam Buku</td> <td>39</td> </tr> </tbody> </table>	Type	Jumlah	Jurnal	85	Buku	15	Bab dalam Buku	39	
Type	Jumlah									
Jurnal	85									
Buku	15									
Bab dalam Buku	39									
Journal										

1	Edy Hafizan Mohd Shahali, Lilia Halim, Mohamad Sattar Rasul, Kamisah Osman & Nurazidawati Mohamad Arsad. 2019. Students interest towards STEM: a longitudinal study. <i>Research in Science & Technological Education</i> , 37(1): 71-89 (ISI, SCOPUS)	2019
2	Punia Turiman, Tengku Siti Meriam Tengku Wook, & Kamisah Osman. 2019. 21st century skills mastery amongst science foundation programme students. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 9(1): 46 – 53 (SCOPUS)	2019
3	Murugan Mini Ratamun & Kamisah Osman. 2018. The effectiveness of virtual lab compared to physical lab in the mastery of science process skills for chemistry experiment. <i>Problems of Education in the 21st Century</i> , 76(4): 544-560 (ISI, SCOPUS)	2018
4	Yennita, Ruhizan Mohd. Yasin, Zanaton H Iksan, & Kamisah Osman. 2018. Enhancing scientific literacy through low-cost science project-based learning. <i>Journal of Advance Research in Dynamical & Control Systems</i> 10(2): 1761 – 1767 (SCOPUS)	2018
5	Evi Suryawati & Kamisah Osman. 2018. Contextual Learning: innovative approach towards the development of students` scientific attitude and natural science performance. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> 14(1): 61-76 (ISI, SCOPUS, ERA)	2018
6	Zulirfan, Zanaton H. Iksan, Kamisah Osman, & Sayyidah Nusaibah Mohd Salehudin. 2018. Take-home-experiment: enhancing students' scientific attitude. <i>Journal of Baltic Science Education</i> , 17(5): 828 – 837 (ISI, SCOPUS)	2018
7	Tan, S.K., Armum, P., Chokkalingam, A.I., Subahan Mohd Meerah, Lilia Halim, Kamisah Osman & Kalaivani Chellappan. 2017. Communication: Uses and influence of employment among youths: The role of formal education. <i>Pertanika Journal of Social Sciences & Humanities</i> 25(5): 21 – 34 (SCOPUS, ISI)	2017
8	Shamini Krishnan & Kamisah Osman. 2016. The effectiveness of using comic to increase pupils` achievements and higher order thinking skills in science. <i>International Journal of English and Education</i> , 5(3): 281-293 (ISI)	2016
9	Cindy Wong Chyee Chen & Kamisah Osman. 2016. The Effect of Kayeu Learning Outside the Classroom Primary Science Module on Intrinsic Motivation of Indigenous Learners. <i>Journal of Baltic Science Education</i> , 360-370 (ISI, SCOPUS)	2016
10	Edy Hafizan Mohd Shahli, Lilia Halim, Sattar Rasul, Kamisah Osman, Zanaton Iksan & Faszly Rahim. 2015. Bitara-STEMTM training of trainers` programme: Impact on trainers` knowledge, beliefs, attitudes and efficacy towards integrated STEM teaching. <i>Journal of Baltic Science Education</i> 14(1): 85-95 (ISI, SCOPUS)	2015
Book		
1	Lee Tien Tien & Kamisah Osman. 2018. Belajar Kimia Bersama Agen Pedagogi [<i>Learning Chemistry with Pedagogical Agent</i>]. Bangi: Penerbit Universiti Kebangsaan Malaysia	2018
2	Mohamad Sattar Rasul, Faszly Rahim, Lilia Halim, Zanaton Iksan, & Kamisah Osman. 2018. Modul Bitara STEM-Komuniti Pintar Sains [<i>Bitara STEM Module-Science Smart Community</i>]. Bangi: Penerbit Universiti Kebangsaan Malaysia	2018
3	Lay Ah Nam & Kamisah Osman. 2018. Pendidikan Kimia Melalui Mereka Bentuk Permainan Teori dan Amalan [<i>Chemistry Education through Designing Theory and Practice Game</i>]. Bangi: Penerbit Universiti Kebangsaan Malaysia	2018
4	Azizi Alias & Kamisah Osman. 2018. Pentaksiran Alternatif: Pembinaan dan	2018

	Pelaksanaan Rubrik dalam Pendidikan Sains [<i>Construction and Implementation of Rubrics in Science Education</i>]. Bangi: Penerbit Universiti Kebangsaan Malaysia	
5	Lee Chuo Hiong & Kamisah Osman. 2017. Biologi dalam Pendidikan STEM [<i>Biology in STEM Education</i>]. Bangi: Penerbit Universiti Kebangsaan Malaysia	2017
6	Kamisah Osman & Lilia Halim. 2016. Trend Penyelidikan Pendidikan Sains [<i>Research Trends in Science Education</i>]. Bangi: Penerbit Universiti Kebangsaan Malaysia	2016
7	Mispuah Hassan & Kamisah Osman. 2016. Pembelajaran Biologi Berasaskan Projek [<i>Project-based Biology Learning</i>]. Bangi: Penerbit Universiti Kebangsaan Malaysia	2016
8	Ashraf Kan`an & Kamisah Osman. 2015. The effects of PBL on learning biology in Qatar: problem based learning. Germany: LAP LAMBERT Academic Publishing.	2015
Chapter in Books		
1	Kamisah Osman & Ah-Nam Lay. 2018. Chemistry learning through designing digital games. In <i>Encyclopedia of Information Science and Technology</i> . Hershey PA, USA: IGI Global	2018
2	Mifrah Ahmad, Lukman Ab Rahim, Kamisah Osman & Noreen Izza Arshad. 2018. Towards modelling effective educational games using multi-domain framework. In <i>Encyclopedia of Information Science and Technology</i> . Hershey PA, USA: IGI Global	2018
3	Kamisah Osman, Rezzuana Razali, Nurnadiah Mohamed Bahri. 2018. Biological Evolution Education in Malaysia; Where We Are Now. In <i>Evolution Education Around the Globe</i> . Switzerland: Springer / Kluwer	2018
4	Mohd Norawi Ali, Lilia Halim, Kamisah Osman & Lilia Ellany Mohtar. 2017. The Integration of fund of Knowledge in the hybridization cognitive strategy to enhance secondary students' understanding of physics optical concepts and remediating their misconceptions. In <i>Overcoming Students` Misconceptions in Science: Strategies and Perspectives from Malaysia</i> . Singapore: Springer.	2017
5	Lee Tien Tien & Kamisah Osman. 2017. Misconceptions in electrochemistry: how do pedagogical agents hep? In <i>Overcoming Students` Misconceptions in Science: Strategies and Perspectives from Malaysia</i> . Singapore: Springer	2017
6	Lilia Halim, Kamisah Osman & Wan Nor Fadzilah Wan Husin. 2017. Core competencies of Malaysian science centre facilitators: a delphi study. In <i>Adult Learning and Education in International Contexts: Future Challenges for its Professionalization: Comparative Perspectives from the 2016 Wurzburg Winter School</i> . New York: Peter Lang	2017
7	Kamisah Osman & Cindy Wong Chyee Chen. 2017. Teaching and learning primary science for marginalised children. In <i>Science Education - Research and New Technologies</i> . London, UK: InTechOpen	2017
8	Lee Chuo Hiong & Kamisah Osman. 2016. Pemupukan kemahiran abad ke-21 dan peningkatan pencapaian dalam topik nutrisi dengan menggunakan modul BTEM [<i>Cultivation of 21st century skills and performance improvement in nutrition topics by using the BTEM module</i>]. In Kamisah Osman & Lilia Halim (Ed.) <i>Trend Penyelidikan Pendidikan Sains</i> . Bangi: Penerbit Universiti Kebangsaan Malaysia	2016
9	Evi Suryawati & Kamisah Osman. 2016. Pemupukan kemahiran proses, penyelesaian masalah dan sikap saintifik melalui pengajaran dan pembelajaran kontekstual [<i>Cultivation of process skills, problem solving and scientific attitudes through contextual teaching and learning</i>]. In Kamisah Osman & Lilia Halim (Ed.) <i>Trend Penyelidikan Pendidikan Sains</i> . Bangi: Penerbit Universiti Kebangsaan Malaysia	2016

10	Rian Vebriato & Kamisah Osman. 2016. Modul Biomind berasaskan pembelajaran berasaskan masalah (PBM): Pembangunan dan penilaian bagi memupuk kemahiran abad 21 dan mengatasi miskonsepsi secara berkesan [<i>Biomind module based on problem-based learning (PBL): Development and evaluation to foster 21st century skills and overcome misconceptions effectively</i>]. In Kamisah Osman & Lilia Halim (Ed.) <i>Trend Penyelidikan Pendidikan Sains</i> . Bangi: Penerbit Universiti Kebangsaan Malaysia	2016
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List of Current Research (Senarai Penyelidikan Terkini– Tempoh 5 Tahun)				
		Position	Total	
		Project Leader	9	
		Co-Researcher	15	
Grants Category	Code	Title of Project	Position	Project period/Status (Tempoh Projek/Status)
Antarabangsa	ZF-2017-009	Evaluation of the Project entitled “Timor-Leste Quality Education for All – 3rd Cycle Mathematics and Science Curriculum	Project Leader	Tamat
	GG-2014-008	Evaluation of the Implementation and Impact of the IB Middle Years Programme in Malaysian National Secondary School	Project Leader	Tamat
Kebangsaan	TRGS/1/2018/UKM/01/6/1	Program: Designing and development of Education Module and Policy on Alternative Energy for Rural Areas. Project: Development of Alternative Energy STEM Learning Kits for Rural Children and Community	Project Leader	Tamat
	GG-2017-016	STEM Mentoring Program	Co-researcher	Tamat
	GG-2014-012	STEM Education: Science of Smart Communities	Co-researcher	Tamat
	GG-2014-011	Status Kolaborasi Industri Dan Institusi Awam Yang Menawarkan Program Pendidikan Sepanjang Hayat (PSH) [Collaboration Status of Industrial and Public Institutions that Offer Lifelong Learning Program (PSH)]	Co-researcher	Tamat
Universiti	DCP-2018-003/1	Enhancing Employability Skills of Youths with Learning Disabilities through Sensory-board	Co-researcher	Tamat
	GIP-2018-003	The effectiveness of Blended STEM Mentoring Program	Co-researcher	Tamat
	KRA-	Meningkatkan Budaya Penyelidikan dan	Co-	Tamat

	2018-028	Penerbitan Pelajar Prasiswazah Universiti Kebangsaan Malaysia [Enhancing the Culture of Research and Publication among Undergraduate Students of National University of Malaysia]	researcher	
	DCP-2017-006/1	Smart & Sustainable Energy Efficient Buildings	Co-researcher	Sedang Berjalan
	DCP-2017-006/4	Resilient Community in Smart and Sustainable Campus	Co-researcher	Sedang Berjalan
	DCP-2017-020/3	Acceptance and Use of the Bus Safety Awareness using 4IR Technology for a Personalized and Meaningful Learning Experience	Co-researcher	Sedang Berjalan
	TD-2015-009	Keterlibatan Komuniti, Pemetaan Aset Pelancongan, Indeks Sokongan Kependidikan Dan Penilaian Impak Sosial Pembangunan Bandar Lembah Beriah, Perak [Community Involvement, Tourism Asset Mapping, Educational Support Index and Social Impact Assessment of Beriah Valley City Development, Perak]	Co-researcher	Tamat
	TD-2015-010	Pembinaan Sistem Pentaksiran Holistik Hasil Pembelajaran Program [Construction of Holistic Assessment System for Program Learning Outcomes]	Co-researcher	Tamat
	DPP-2015-084	Memacu Pembelajaran STEM Yang Efektif Dalam Kalangan Pelajar Rendah dan Menengah di Malaysia [Driving Effective STEM Learning Among Primary and Secondary School Students in Malaysia]	Project Leader	Tamat
	DPP-2014-089	Meningkatkan Pencapaian dan Memperkasakan Pendekatan Multidisiplin dalam Penyelidikan Pendidikan STEM [Improving Achievement and Empowering Multidisciplinary Approaches in STEM Education Research]	Project Leader	Tamat
	STEM-2014-009	Pembangunan Modul Pembelajaran Ko-Kurikulum STEM "Kesejahteraan Komuniti Sainifik 1Malaysia" Berasaskan Konstruktivisme dan Konstruktivisme [Development of "Welfare of the 1Malaysia Scientific Community" STEM Co-Curriculum Learning Module Based on Constitutionalism and Constructionism]	Project Leader	Tamat
	STEM-2014-004	Kajian Longitudinal Terhadap Minat Pelajar Terhadap STEM, Aspirasi Kerjaya STEM, Kemahiran Abad ke-21 dalam Kalangan Pelajar	Project Leader	Tamat

		Mengikuti Program BITARA STEM [Longitudinal Study on Students' Interests in STEM, STEM Career Aspiration, 21st Century Skills of Students Attending BITARA STEM Program]		
	PTS-2014-001	Assessment of UKM Learning Outcomes	Project Leader	Tamat
	AP-2014-011	Pengesahan Faktor-Faktor yang Mempengaruhi Minat Pelajar terhadap Sains: Ke Arah Menstrategi Rekabentuk Intervensi dalam Mengembalikan Minat Pelajar terhadap Sains [Validation of Factors Affecting Students' Interest in Science: Toward Designing Strategic Intervention in Returning Students' Interest to Science]	Project Leader	Tamat
	PTS-2014-081	Pembangunan Portfolio Sistem Modul Pembangunan Insaniah (SMPI) [Human Development Module System Portfolio Development]	Co-researcher	Tamat
	PTS-2014-082	Alternative Paradigm and Innovation in Engineering Education: A Model for ISLAMIC Engineering Education in the Muslim Countries	Co-researcher	Tamat
	PTS-2014-027	Mengilhamkan Harapan: Pemerksaan Kemahiran Penyelidikan dalam Kalangan Pelajar Pasca Sarjana [Inspiring Hope: Empowering Research Skills in Post-Graduate Students]	Co-researcher	Tamat
	DPP-2014-FPEN	Memperksa dan Membudaya Penerbitan Dalam Ahli Fakulti [Empowering and Cultivating Publications among Faculty Members]	Co-researcher	Tamat

No.	(Community Service / Network) Khidmat Masyarakat / Jaringan	Year (Tahun)
1	International Society of Educational Research (ECER)	2013 until present
2	International Organisation of Science and Technology Education (IOSTE)	2006 until present
3	Commonwealth Association for Public Administration & Management	2013 until present
4	American Chemical Society	2014 until present
5	Malaysian Chemical Institute	2006 until present
6	Malaysian Psychometric Association	2013 until present
7	Malaysian Association of Science, Technology, Engineering and Mathematics Education (STEM)	2013 until present