



The National University of Malaysia
Universiti Kebangsaan Malaysia
Guardian of The Nation (*Pendaulat Amanah Negara*)
 STEM ENCULTURATION CENTRE
 (PUSAT PEMBUDAYAAN STEM)
 FACULTY OF EDUCATION, UKM (*Fakulti Pendidikan, UKM*)

NAME (<i>Nama</i>)	Siti Nur Diyana Mahmud
CURRENT POSITION (<i>Jawatan Sekarang</i>)	Pensyarah
OFFICE ADDRESS (<i>Alamat Pejabat</i>)	FACULTY OF EDUCATION/ FAKULTI PENDIDIKAN
TELEPHONE NUMBER (<i>Nombor Telefon</i>)	0193473703
EMAIL/WEBSITE (<i>E-Mel/ Laman Web</i>)	diyana@ukm.edu.my
ACADEMIC QUALIFICATION (<i>Kelayakan Akademik</i>)	<ul style="list-style-type: none"> • PhD, Environmental Education, The University of Queensland, 2019. • Master in Science Education, Universiti Kebangsaan Malaysia. 2011 • Bachelor of Education (Biology), Universiti Kebangsaan Malaysia. 2008
AREA OF SPECIALIZATIONS (<i>Bidang Kepakaran</i>)	Science Education, Environmental Education.
RESEARCH INTEREST (<i>Bidang Penyelidikan</i>)	Science Education, Biology Education, Education for Sustainable Development, Environmental Education, Systems Thinking.
WORK EXPERIENCES (<i>Pengalaman Kerja (Di Ukm & Luar)</i>)	<ul style="list-style-type: none"> • Lecturer at Universiti Kebangsaan Malaysia 2011- current • Tutor at Universiti Kebangsaan Malaysia 2009-2011 • Teacher at Malaysia Ministry of Education 2008-2009

SUPERVISION OF STUDENTS:
(*Penyeliaan (Tempoh 5 Tahun/ Tamat Pengajian)*)

Level	Finish	In Progress	Total
Ph. D		2	2
Master	1	11	15

No.	Title of Thesis (Tajuk Tesis)	Name of Students (Nama Pelajar)	Years (Tahun Lulus)	Stage of Supervision (Peringkat Penyeliaan)
Master				
1	Keberkesanan Program-Program Kelestarian Di Universiti Kebangsaan Malaysia	Puteri Syafiqah Megat Shariman	2018	
2	Pembelajaran Berasaskan Projek Untuk Topik Sel Respirasi Bagi Pelajar Matrikulasi	Fairuz Aliaa Bt Fadzil		Final Phase-Writing Finding
3	Eksperimen Kos Rendah Untuk Pembelajaran Alam Sekitar Melalui Pendidikan Sains	Hassan Bin Nazarudin		Early Stage-Proposal Preparation
4	Gamifikasi Untuk Pendidikan Alam Sekitar Di Sekolah.	Hajjarlina Binti Jaafar		Early Stage-Proposal Preparation
5	Keberkesanan Aktiviti Gallery Walk Dalam Meningkatkan Kemahiran Abad Ke 21 Pelajar Di Peringkat Sekolah Menengah	Aida Faridah Binti Jahaya		Completed Project Paper 2
6	Kesediaan Guru Sains Dan Matematik Dalam Melaksanakan Stem Dari Aspek Pengetahuan, Sikap Dan Pengalaman Mengajar	Nur Fatahiyah Mohamed Hata		Completed Project Paper 2
7	Pembelajaran Teknik Mnemonik Terhadap Sikap Dan Pencapaian Akademik Dalam Matapelajaran Sains Tingkatan 2: Pencernaan	Nur Fazirah Binti Rahim		Completed Project Paper 2
8	Keberkesanan Pembelajaran Berasaskan Projek Stem Ke Atas Pencapaian Kognitif Dan Sikap Pelajar	Harlina Hayati Bir Salaton		Completed Project Paper 2
9	Strategi Pembelajaran <i>Blended Learning</i> Dengan Menggunakan Vle Frog Ke Arah Peningkatan Subjek Sains	Jamuna A/P Maruthai		Completed Project Paper 2
10				Completed

	Tahap Literasi Komputer Terhadap Amalan Pengintegrasian Ict Guru-Guru Sains Sjk(T) Dalam Pdpc Sains	Nandaroobini A/P Rajedran	Project Paper 2
11	Pembelajaran Berasaskan Masalah Dalam Kalangan Guru Sains Sekolah Berasrama Penuh	Noriza Binti Mohamad	Completed Project Paper 2

No.	Latest Awards & Achievements (Anugerah Dan Pencapaian (2010 – Kini))	Year (Tahun)								
1.	Gold Medal- Eduinnovation (Gamified Sustainability Mobile Apps For Environmental Education)	2018								
2.	Best Paper Award International Symposium on Sustainable Development and Management	2016								
3.	Scholarship Award from The University of Queensland, Australia	2016								
4.	Research Excellence Award 2015 from Education Malaysia Australia	2015								
5.	Finalist- Research Pitching Competition The University of Queensland, Australia	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>5</td> </tr> <tr> <td>Bab dalam buku</td> <td>1</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Type	Jumlah	Jurnal	5	Bab dalam buku	1			
Type	Jumlah									
Jurnal	5									
Bab dalam buku	1									
Journal										
1	Siti Nur Diyana Mahmud, Nurfaradilla Mohamad Nasri, Mohd Ali Samsudin, Lilia Halim, 2018, Science teacher education in Malaysia: challenges and way forward, <i>Asia-Pacific Science Education</i> , 4 (8), 1-12, 4: 8. https://doi.org/10.1186/s41029-018-0026-3 .	2018								
2	Puteri Syafiqah Megat Shariman, Siti Nur Diyana Mahmud, , 2018, The effectiveness of sustainable programs at higher education institution , <i>Journal of Advanced Research in Dynamical and Control Systems</i> , 10 (2), 1645 – 1651.	2018								
3	Zaizul Ab Rahman, Siti Nur Diyana Binti Mahmud, Akhbar Ahmed, Inaba Kayo and Ahamed Sarjoon Razick , 2018 , Khuluqiyah intelligence as righteous in the behavior and honorable in smart campus perspective , <i>International Journal of Civil Engineering and Technology</i> ,9 (13) , 645-654.	2018								
4	Siti Nur Diyana Mahmud, , 2017, Systems Structure of Education for Sustainable Development in Higher Education Institution , <i>Creative Education</i> , 1379-1400 ,	2017								

5	Siti Nur Diyana Mahmud, 2017, Engaging head, heart and hands: Holistic learning approach for education for sustainable development, <i>International Journal of Learning and Teaching</i> , 9 (2), 298-304	2017
Chapter in Book		
1	Siti Nur Diyana Mahmud, Zuraini Abdul Razak, Muhd Aiman Abdul Halim & Neelavany Marimuthu 2012 , dalam Pengajaran & pembelajaran sains pelajar terpinggir. <i>Konduktor dan penebat elektrik</i> , (hlmn 179-214). Penerbit UKM: Selangor.	2012

List of Current Research <i>(Senarai Penyelidikan Terkini– Tempoh 5 Tahun)</i>				
		Position	Total	
		Project Leader	0	
		Researchers	8	
Grants Category	Code	Title of Project	Position	Project period/Status (Tempoh Projek/Status)
University Grant	DCP-2017-006/4	Resilient Community in Smart and Sustainable Campus	Co-Researcher	01/02/2018 - 31/01/2020
Industry grant	GG-2017-020	Pemupukan kemahiran Sainifik dalam program STEM EXXONMOBIL dalam kalangan pelajar dan strategi guru sebagai fasilitator	Co-Researcher	01/10/2017-30/09/2019
Industry grant	GG-2018-005	ExxonMobil-UKM STEM Club@Terengganu 2018	Co-Researcher	01/05/2018-30/04/2020
University grant	GG-2018-014	Pelaksanaan Strategi untuk Membangunkan Kapasiti Penyelidikan dalam kalangan ahli Pusat Pembudayaan STEM, Fakulti Pendidikan, UKM	Co-Researcher	01/10/2018-30/09/2019
Industry grant	GG-2019-002	EXXONMOBIL-UKM STEM CLUB@SABAH	Co-Researcher	01/01/2019-31/12/2020

International grant	GG-2019-004	Integrated Studies in Japan: A model for culturally relevant science teaching and learning for Malaysia and Indonesia.	Co-researcher	01/04/2018-31/12/2019
University grant	GGP-2017-074	Pembinaan Kerangka Pendidikan Perubahan Iklim bagi Sekolah Rendah	Co-researcher	15/12/2017-14/12/2019
Ministry grant	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	Co-researcher	01/01/2019 - 31/12/2021

No.	(Community Service / Network) Khidmat Masyarakat / Jaringan	Year (Tahun)
1.	Penceramah Bengkel Training of Trainers Exxon-Mobil UKM STEM Club di Sabah	2019
2.	Penceramah Bengkel Training of Trainers Culturally Relevant Science Curriculum Di Kuching. Program Kolaborasi UKM-Yayasan Guru Tun Hussein Onn	2019
3.	Setiausaha Program Rampai Penyelidik Siri 6	2018
4.	Ahli Jawatankuasa Program Eduinnovation 2018	2018
5.	Penceramah Bengkel Training of Trainers Exxon-Mobil UKM STEM Club di Terengganu.	2018
6.	Jawatankuasa Penerbitan, Penyelidikan dan Persidangan, Fakulti Pendidikan	2018- Current
7.	Ahli Persatuan Sains Matematik Malaysia	2018- Current
8.	Penceramah Di Social Media In Language Learning Symposium 2018 (Smile2018)	2018
9.	Hakim Pertandingan Texmit	2018
10.	Penceramah Jemputan Bengkel Analisis Data Kualitatif Untuk Kajian Projek Umrq - Rp023-15sbs	2017
11.	Fasilitator untuk Kursus Penilaian Keberkesanan Perkhidmatan dan Program Pendidikan Sains Angkasa- Planetarium Negara	2017