



ANNIE MARIA MAHAT

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Faculty :	Faculty of Applied Sciences
Staff No :	247876
Grade of Position (VK7/DM54/DM52 etc)	DM52
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1. BASIC PROFILE

Appointments	Date/Year of Appointment
Lecturer DM52	24-08-2016
Lecturer DM45	16-10-2008
Date of Birth :	28-07-1983

2. ACADEMIC QUALIFICATION

2008 MSc (Eng) Micro & Nano Technology
University of Liverpool, United Kingdom

2006 BSc (Hons) Physics
Universiti Teknologi MARA, Malaysia.

2004 Diploma in Science
Universiti Teknologi MARA, Malaysia.

3. UNDERGRADUATE SUPERVISION

	Students Name	Institutions	Year Enrolled	Year End
1	Amin Aadenan	FSG,Universiti Teknologi MARA	2010	2010
2	Siti Maisarah Zaid	FSG,Universiti Teknologi MARA	2010	2010

3	Zullaikha Zulkiflee	FSG,Universiti Teknologi MARA	2010	2011
4	Nor Azni Yusoff	FSG,Universiti Teknologi MARA	2010	2011
5	Abbas Mahmud	FSG,Universiti Teknologi MARA	2010	2011
6	Badrulamin Abdullah @ Mohamed Yusof	FSG,Universiti Teknologi MARA	2011	2011
7	Mohd Syafiq Azmi	FSG,Universiti Teknologi MARA	2013	2013
8	Siti Noor Afifah Osman	FSG,Universiti Teknologi MARA	2013	2013
9	Easter Joseph	FSG,Universiti Teknologi MARA	2013	2013

4. POSTGRADUATE SUPERVISION

	Students Name	Institutions	Year Enrolled	Year End
1	Norazira binti Saat	FSG,Universiti Teknologi MARA	2011	2013

5. TEACHING EXPERIENCE

Details	Year
1. Device Physics, Physics for Non-Majors, Basic Physics for Scientists and Engineers, Semiconductor Physics for Industrial Physics, Physics and Education Students.	2006 - present
2. Semiconductor Laboratory, Instrumentation laboratory, Mechanics and Heat Laboratory for BSc. (Hons) Industrial Physics and BSc. (Hons) Physics.	2008 - present
3. Final year BSc (Hons) Industrial Physics project students.	2009 - 2012

6. RESEARCH OUT PUT

	Research Project	Institutions	Year
1	Nanoelectric High-K Thin Films for Next Generation CMOS gate. (Thesis)	University of Liverpool, UK	2008
2	Thermal and Phase studies of Titanium Dioxide Nanomaterials. (Poster presentation, ICMAT Singapore)	Faculty of Applied Sciences, Institute of Science, UiTM	2010
3	Annie Maria Mahat , Kelimah Elong, Nor Diyana Abdul Aziz, Mohd Sufri Mastuli and Norlida Kamarulzaman. "Conductivities of Titanium Dioxide Obtained via the Sol-gel Method". Journal of Advanced Materials Research, Vol.	Faculty of Applied Sciences, Institute of	2012

	545 (2012) pp 143-147. Transtech Publication, Switzerland	Science, UiTM	
4	Mohd Sufri Mastuli, Roshidah Rusdi, Annie Maria Mahat , Norazira Saat and Norlida Kamarulzaman. "Sol-Gel synthesis of Highly Stable NanoSized MgO from Magnesium Oxalate Dihydrate". <i>Journal of Advanced Materials Research, Vol. 545 (2012) pp 137-142. Transtech Publication, Switzerland</i>	Faculty of Applied Sciences, Institute of Science, UiTM	2012
5	Mohd Sufri Mastuli, Noor Sabrina Ansari, Mohd Azizi Nawawi and Annie Maria Mahat , "Effects of Cationic Surfactant in Sol-Gel Synthesis of Nano Sized Magnesium Oxide", <i>APCBEE Procedia, 3, pp. 93-98, 2012</i>	Faculty of Applied Sciences, Institute of Science, UiTM	2012
	Annie Maria Mahat , Mohd Sufri Mastuli and Norlida Kamarulzaman "Influence of annealing temperature on the phase transformation of Al ₂ O ₃ ", International Symposium on Frontier of Applied Physics (ISFAP), 1711, 050001-050005, AIP Publishing LLC.	Faculty of Applied Sciences, Institute of Science, UiTM	2016
	Norlida Kamarulzaman, Annie Maria Mahat , Nurhanna Badar, Ce Zhou Zhao "Structural and band gaps studies of novel Al ₂ -xHfxO ₃ materials toward MOS applications", Materials Chemistry and Physics, 216, 237-242, Elsevier.	Faculty of Applied Sciences, Institute of Science, UiTM	2018

7. RESEARCH FUNDINGS

a) NATIONAL LEVEL ACTIVE RESEARCH FUNDING (MOSTI/FRGS & Others)

	Research Project	Source	Total Funds	Begin Year	End Year
1	Principal Researcher , Effect of Particle Size on the Strain of TiO ₂ Nanoparticles	FRGS	RM39,200	2010	2012
2	Co-Researcher , Investigation of Bandgap Energies of Single Phase Zn (1-x) Cu _x O ₂ Nanoparticles	FRGS	RM39,200	2010	2012
3	Co-Researcher , STRUCTURAL AND ELECTRICAL CHARACTERISTICS OF SNO ₂ AND NOVEL SN _{1-X} LI _X O ₂ , SN _X MO _{1-X} O ₂ AND LIS _N XMO _{1-X} O ₂ NANOMATERIALS	FRGS	RM125,500	2012	Onwards
4	Co-Researcher , Unit Cell Parameter, Cation Position And Oxygen Site Occupancy Factor Of FexOy And FexAlzOy Nanomaterials Prepared By Combustion Method	FRGS	RM65,000	2010	2012

b) Dana Kecemerlangan UiTM

	Research Project	Total Funds	Begin Year	End Year
1	Principal Researcher , Thermal and Phase Studies of Titanium Oxide Nanomaterials	RM10,000	2009	2010
2	Principal Researcher , Characterization of some metal oxide thin films for the next generation metal-oxide-semiconductor (MOS)	RM32,000	2012	2014
2	Co-Researcher , Synthesis and characterization of iron oxide nanoparticles	RM10,000	2009	2010

3	Co-Researcher , SnO ₂ nanoparticles synthesis & characterization	RM22,000	2011	2012
4	Co-Researcher , Morphological Studies of Metal Oxides for the New Metal-Oxide-Semiconductor (MOS)	RM32,000	2012	2014

8. CONTRIBUTIONS TO UNIVERSITY

A) Workshops/Seminars/Courses Attended

Workshops/Seminars/Courses	Level
1. SYMPOSIUM OF ACADEMIA, BUSINESSES & COMMUNITY NETWORKING	University
2. KARNIVAL SAINS DAN TEKNOLOGI (CARSTECH) 2011	University
3. ALUMNI PROFESSIONAL TALK SERIES	University
4. TAKLIMAT DEKAN FSG DAN TIMBALAN2 DEKAN	University
5. TAKLIMAT PENYEDIAAN KERTAS SOALAN	University
6. SESI TAKLIMAT PENASIHAT AKADEMIK PELAJAR FAKULTI SAINS GUNAAN	University
7. INTERNATIONAL CONFERENCE ON MATERIALS FOR ADVANCED TECHNOLOGIES	International
8. UJIAN INVENTORI PERSONALITI SIDEK (KUMPULAN B)	University
9. WORKSHOP ON CRYSTALLOGRAPHY	University
10. TAKLIMAT GERAN PENYELIDIKAN MALAYSIA TORAY SCINECE FOUNDATION (MTSF)	University
11. TAKLIMAT DEKAN DAN TIMBALAN DEKAN	University

12. KONFERENSI AKADEMIK UITM 2011	University
13. AMANAT TAHUN BARU NAIB CANSOLOR 2011	University
14. RESEARCH EXPEDITION SERIES	University
15. LEADERSHIP SYMPOSIUM	University
16. INORGANIC PHOTOCATALYST MODIFIED WITH ORGANIC DYE FOR WATER SPLITTING UNDER VISIBLE LIGHT	University
17. WACANA KELESTARIAN KEPIMPINAN MELAYU UITM - 8 FAKULTI SAINS GUNAAN	University
18. BENGKEL PERANCANGAN STRATEGIK PUSAT PENGAJIAN FIZIK DAN BAHAN	University
19. Ph.D RESEARCH METHODOLOGY	University
20. PERSONAL DEVELOPMENT AND HUMAN RELATIONS	University

b) Administration

Details	Position
1. Persatuan Fizik Industri (iPhys)	Advisor
2. Jawatankuasa Peperiksaan Fakulti Sains Gunaan FSG	Committee
3. Jawatankuasa Misi Akademik	Committee
4. Kelab Kebajikan FSG	Committee
5. Jawatankuasa Pembangunan Pelajar Pusat Fizik & Bahan	Committee

6. Jawatankuasa Pembangunan Pelajar Fakulti Sains Gunaan	Committee
7. Industrial Training AS231/AS203	Committee
8. Penubuhan Program Baru Pusat Pengajian Sains Fizik & Bahan	Committee