

CURRICULUM VITAE

PROF. DR. AB MALIK MARWAN BIN ALI

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EDUCATIONS

• Doctor of Philosophy (Advanced Materials)	Universiti Teknologi MARA, Shah Alam	Jul 2008
• Master of Philosophy (Advanced Materials)	University Of Malaya	Aug 2000
• BSc. (Hons.) Physics	University Of Malaya	Aug 1996
• Diploma in Science	Institut Teknologi MARA, Perlis	Oct 1993

EXPERIENCES

<ul style="list-style-type: none"> Head of Advanced Material Research Centre Director Community of Research (CoRe) Head of Ionics Materials & Devices (iMADE) Coordinator Program BSc (Hons.) Physics Head of Program BSc (Hons.) Physics VK7 Lecturer DM54 Lecturer DM52 Lecturer DM45 Contract Lecturer DT3 	<ul style="list-style-type: none"> IOS, UiTM Shah Alam IRMI, UiTM Shah Alam IOS, UiTM Shah Alam FSG, UiTM Shah Alam FSG, UiTM Shah Alam FSG, UiTM Shah Alam FSG, UiTM Shah Alam FSG, UiTM Shah Alam FSG, UiTM Shah Alam FSG, UiTM Shah Alam 	<ul style="list-style-type: none"> Jul 2017 - Current Feb 2014 – Dis 2015 Nov 2012 – Oct 2014 Aug 2011 – Jul 2013 Feb 2009 – Jul 2011 Nov 2019 - Current Oct 2011 – Nov2019 Jul 2005 – Sep 2011 Jul 2000 – Jul 2005 Mei 1999 – Jun 2000 	<h3>TEACHING</h3> <ul style="list-style-type: none"> Classical Mechanics Electrical Properties of Polymers Properties of Functional Materials Physics for Scientist and Engineers
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RESEARCH FIELD

Field / Specialization
• Advanced Materials / Solid State Ionics

Current Research Interests

- Polymer Electrolytes
- Ion-Conducting Polymer
- Solid State Batteries
- Lithium-Ion/Polymer Batteries
- Super-Capacitors
- Fuel Cells and Solar Cells

RESEARCH COLLABORATIONS

- Institute of Microengineering and Nanoelectronics (IMEN), National University of Malaysia
- Centre for Ionics (CIUM), University of Malaya
- Dept. of Science in Engineering, International Islamic University of Malaysia
- Center for Defense Foundation, National Defence University of Malaysia
- Polymer Radiation Processing Division, Malaysian Nuclear Agency
- Institute of Physical Chemistry, University of Hamburg, Germany
- Helmholtz-Zentrum Geesthacht, Institute of Polymer Research, Germany
- Chemistry Dept, Universiti Sumatera Utara

RESEARCH GRANTS

• Total Grant Value	RM 5,493,259.00
• No. of Projects (Ongoing)	67 Grant: 57 Ext. 10 Int. 6 – RM 465,892.00
• No. of Projects (Completed)	61 – RM 5,027,367.00
• As Project Leader	10 – RM 686,800.00
• As Project Member	57 – RM 4,806,459.00

RESEARCH OUTPUT

• Journals	104
• Proceedings	31
• Chapters in Book	3
• Medals in Exhibitions (2012 – 2019)	11
• Copyright IPR (2012 – 2019)	3

SUPERVISION

• PhD (Completed)	12
• PhD (Ongoing)	9
• MSc (Completed)	11
• MSc (Ongoing)	5
• Undergraduate	55

EXPERT / CONSULTATION

• External Thesis Examiner	8 PhD, 15 MSc
• Internal Thesis Examiner	10 PhD, 12 MSc
• International Journal Reviewer	4Q1, 7Q2, 5Q3, 3Q4
• National Journal Reviewer	10
• Invited Speakers	15
• Panel Research Grant	65
• Magna Value Sdn. Bhd	1

AWARD & RECOGNITIONS

• International	3
• National	2
• University	8

SERVICE TO UNIVERSITY

Director CoRe, Head of Program Physics, Coordinator of Program Physics, Panel Research Grant

CONFERENCES (2012 – 2019)

• International Presenter	19
• National Presenter	12
• Int. Committee	5

STUDENT CONTRIBUTIONS

Student Programme Advisor, Academic Mentor, Participate in Student Society Activities

OTHER CONTRIBUTIONS

- Editor-in-Chief, Scientific Research Journal, Jan 2019 - Dis 2020
- Editors, International Journal of Electroactive Materials, Jan 2013 – Dec 2015
- Advisory Board, International Journal of Electroactive Materials, Jan 2016 – Dec 2019
- External Evaluator FRGS Proposal – Asia Pacific University
- Vice Chairman – Olympiad Competition Science & Math Selangor

SOCIETY MEMBERSHIPS

- Electroactive Materials Society (EMS)
- Malaysian Solid State Science and Technology Society (MASS)
- Malaysian Analytical Science Society (SKAM)
- Material Research Society of Indonesia (MRS-id)