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| **UTM LOGO brand .jpeg** |  **CURRICULUM VITAE**Latest picture |

PERSONAL DETAILS

# **Name**  :

**Gender** :

**Date of Birth** :

# **Nationality** :

**Marital Status** :

**Permanent** :

**Address**

:

Correspondent :

**Address**

Tel : (Mobile) : (Office): (Fax):

E-mail : abcd@utm.my, aaa@gmail.com

Website :

ID Staff :

**Expertise :**

ACADEMIC QUALIFICATIONS

# Year : Ph.D.

 University

Year : M.Sc.

 Universiti

Year : B. Sc.

 Universiti

AWARD AND HONORS RECEIVED

 Date : **Awards/Achievement**

***Example :***

1. May 2010 - Top Research Scientis Malaysia, Academy of Sciences Malaysia
2. June 2014 - Best UTM Fundamental Research Project, Ministry of Higher Education Malaysia

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Date : **Positions/Employer**

 ***Example :***

1. 1 Jan 2010 – 31 Disember 2013 – Project Engineer, Petronas Bhd

***Example :***

* + 1. Member, American Chemical Society, Membership No.: 30265866, Jun 2000
		2. Charetered Chemical Engineer, CEng (UK), April 2011.
		3. Member, Institution of Chemical Engineers, UK (IChemE), Membership No: 99928853, Jan 2011

ADMINISTRATIVE EXPERIENCE

Faculty Level

Date : **Positions/Employer**

 ***Example :***

1. June 2010 – June 2012 - Member of Facilities Management, Faculty of Petroleum and Renewable Energy Engineering

1. May 2011 - Faculty Panel of Evaluation, for promotion exercise to Associate Profesor (DS54)

University Level

Date : **Positions/Committe**

***Example :***

1. May 2012 - Appointed as Central Committee Member for Journal of High Impact, No. 1/2013
2. 1 Jan 2007 – 31 Dec. 2009 - Dean Faculty of Engineering

OTHERS EXPERIENCE

NATIONAL COMMITTEE

1. ***Example :***
2. Appointment as Head of Quantitative Research Division to study the impact of the Higher Institution Centres of Excellence (HICoE) - January 1 - June 31, 2013

INTERNATIONAL APPOINTMENT/COMMITTEE

1. ***Example :***
2. Appointment as Member of International Advisory Committee for Malaysia Polymer International Conference (MPIC 2013) 25 – 26 September 2013.
3. Advisory Board International Conference on Advanced Materials Science and Technology (ICAMST) 17 – 18 September 2013, Yogjakarta, Indonesia

RESEARCH ACTIVITIES

RESEARCH PROJECT UNDERTAKEN

Date : **Project Leader/Project Member**

 ***Example:***

1. Project Leader, Development of Advanced Antibacterial Hybrid Nanofiltration Membrane for Environmental and Biological Applications. Budget approved RM 211,500 (Vot 79135)
2. Project Member, Single-Step Development of Nanosize Mixed Metals Oxide Electrolyte using a Novel Sol-Gel Technique for Solid Oxide Fuel Cell. Budget approved RM242, 200

FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS FUND)

Date : **Project Leader/Project Member**

***Example :***

1. Project Member, Fabrication of Ion Exchanger Mixed Matrix Membrane (MMM) Chromatography for Heavy Metal Removal, Vot RDU 121309, Budget approved RM 49,800.

CONTRACT RESEARCH PROJECT AWARDED BY PETRONAS RESEARCH SDN BHD

1. ***Example :***
2. A. F. Ismail et al. Development of Membrane Material for High CO2 Gas Field Separation System. The budget agreed RM2,550,000 (September 2009-June 2012)

**TOP-DOWN LONG TERM RESEARCH GRANT SCHEME (LRGS) RESEARCH PROJECT**

1. ***Example :***
2. Program Leader, ***Sustainable Membrane-Based Manufacturing***. The budget approved is RM 6,000,000. August 2011 – August 2014.
3. etc.

CONTRACT RESEARCH PROJECT UNDERTAKEN (Industrial Grant Scheme, (IGS))

1. ***Example:***
2. Project Leader for Research and Development to produce commercially viable and truly ‘green’ (non-ozone depleting and non-global warming) hydrocarbon refrigerants as substitutes to CFCs and other synthetic refrigerants for the air conditioning and refrigeration industries. (Collaborative works between Ecocool Technologies Sdn. Bhd. and Membrane Research Unit, UTM). **The budget approved by IGS, MOSTE is RM3.9 million**

CONTRACT RESEARCH PROJECT UNDER COMMERCIALIZATION OF R&D FUND (CRDF), Malaysian Technology Development Corporation.

1. ***Example :***
2. A. F. Ismail et al., Development of a Pilot Plant Scale Membrane Separation System For Water Desalination. The budget approved is RM1.461 million.

CONTRACT RESEARCH PROJECT AWARDED BY MINISTRY OF HIGHER EDUCATION

1. ***Example :***
2. S. H. Tapsir, N. Moktar, A. F. Ismail, A. K. Mirasa, S. Sanip and F. A. Manan. Deputy Project Leader for A Study on University-Industry Partnership: Fostering Strategic linkages at Institutes of Higher Learning Malaysia. The budget approved RM 103,000

INTERNATIONAL CONTRACT RESEARCH PROJECT AWARDED

1. ***Example :***
2. Prof. Dr. Ahmad Fauzi Ismail- PMI2 Strategic Alliances and Partnerships project, Research Co-operation, The British Council bagi penyelidikan bertajuk “Multi-functional membranes for energy applications and CO2 capture” Budget approved RM 249,750. This project was conducted in collaboration with Prof. Kang Li from Imperial College, LondonThis project was conducted in collaboration with Prof. Kang Li from Imperial College, London.
3. Prof. Dr. Ahmad Fauzi Ismail, Surface Modifying Macromolecules (SMMs) for the Development of Novel Membranes. Budget allocated RM 10,000. This project was awarded by Industrial Membrane Research Laboratory, University of Ottawa, Canada.

PATENT GRANTED

1. ***Example :***
2. A. F. Ismail and S. J. Shilton, International Patent entitled “Super selective hollow fiber membranes” (US Patent 6,521,025 B1)

PATENT FILED/DISCLOSURE

1. ***Example :***
2. Ahmad Fauzi Ismail, Muhammad Noorul Anam Mohd Norddin, Charged-sulfonated polyether ether ketone (speek) membrane for fuel cell technology (PI2011 000686)

TEACHING ACTIVITIES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Semester** | **Sem** | **Subject Code** | **Subject** | **Credit Hour** | **Total** |
| 2011/2012 | 1 | MQT1713 | Bioinformatik | 3 | 32 |
|  |  |  |  |  |  |

SUPERVISION

***PhD Student***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **No.** | **Name** | **Status** | **Title** | **Roles of Supervision** |
| 2013 | 1 | Ali bin Abu | Graduated | Sustainable & Environmental... | Main Supervisor |
| 2012 | 2. | Ahmad bin Kamil | Ongoing2012 - 2014 | Weightage factors of... | Co-Supervisor |

***MSc. Student***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year** | **No.** | **Name** | **Status** | **Title** | **Type** | **Roles of Supervision** |
| 2013 | 1 | Ali bin Abu | Graduated | Energy Efficiency.... | Reseach | Main Supervisor |
| 2012 | 2. | Ahmad bin Kamil | Ongoing2012 - 2014 | Decision making of...... | Mix mode | Co-Supervisor |
| 3 | Rogayah binti Azam | Graduated | Potential Improvement.... | Taught Course | Main Supervisor |

**POSTGRADUATE EXAMINATION /VIVA**

**UTM STUDENTS/VIVA**

1. ***Example :***
2. Examiner (to convert MSc to PhD) for the thesis entitled “A study on synthesis of sodium citrate from citric acid and sodium salts using electrodialysis membranes” by Ling Lay Pee
3. Chairman of the MSc. Viva Panels for Ngunyen Man Hung

**PhD EXTERNAL EXAMINER**

1. ***Example :***
2. Nurandani Hardyanti

Development of Decentralized domestic Sewage Treatment System using Membrane Biorector, UMP (2012)

1. Yeong Yin Fong

Silicalite-1 Membrane: Sythesis, Modification, Characterization and its Performance for the Reactive Separation of Para-Xylene from Xylene Isomers, USM, 2010

**MSc EXTERNAL EXAMINER**

1. ***Example :***
2. Anthony Mariada, Reduction of Membrane Fouling Using Helical Baffles for Crossflow Microfiltration, USM, 2003

**MSc INTERNAL EXAMINER**

1. ***Example :***
2. Law Jeng Yih, The Concentration of Sodium Salicylate and Conversion of Sodium Salicylic Acid using Electrodialysis Membranes, July 2004.

**PhD INTERNAL EXAMINER**

1. ***Example :***
2. Hashim Hassan, Pervaporation Separation of Isopropanol-Water Mixture Using Locally-Produced Chitosan Based Membranes.

PUBLICATIONS

## JOURNAL

***ISI Journal :***

***Example :***

1. Mohamad Farid, Rozana Zakaria, Mushairy Mustaffar, Muhd Zaimi Abd Majid, Rosli Mohamad Zin, Mohamad Ismail, Khairulzan Yahya, *Bio composite materials potential in enhancing sustainable construction*, Journal of Desalination and Water Treatment, In Press, (IF:0.852)

***SCOPUS Journal :***

***Example :***

1. R.Zakaria, K.S Foo, R. Mohamad Zin, J. Yang, Samaneh Zolfagharian, *Potential Retrofitting of Campus Existing Buiding to Green Building,* Applied Mechanic and Materials-Sustainable Environment and Transportation, Vols. 178-181 (2012), pp.42-45

***NON INDEXED Journal :***

Example :

1. Ikuesan Richard Adeyemi, Norafida, Bio-thentic Card : Authentication Concept for RFID

 Card, International Journal of Computer Science and Information Security, (2012) Vo.

 10 No.7, ISSN:1947-5500 (non-citation-indexed journal)

***H INDEX : ........***

## PROCEEDINGS/CONFERENCE

1.

2.

## SEMINARS/WORKSHOPS

1.

2

## THESIS

1. ***Example :***

i) Ahmad Fauzi Ismail, Novel Studies of Molecular Orientation in Synthetic Polymeric Membranes for Gas Separation, Ph.D. Thesis, University of Strathclyde, Scotland, UK (1997).

## ORIGINAL BOOK

* + - 1. ***Example :***

i) A. F. Ismail, D. Rana, T. Matsuura, H. Foley, Carbon-Based Membrne for SeparationProcesses, Springer, New York, (June 2011).

## EDITED BOOK

* 1. *Example :*

## Sustainable Membrane Technology for Energy, Water and Environment, Edited by A. F. Ismail and T. Matsuura, March 2012, John Wiley

## BOOK CHAPTER

***Example:***

* + - 1. A. F. Ismail and K. Li, From Polymeric Precursor to Hollow Fibers Carbon and Ceramic Membranes, Membranes Science and Technology, Volume 13, Edited by M. Menendez, Elsevier B. V. 2008, Pages 81-119.

## ENCYCLOPEDIA OF MEMBRANE

1. ***Example :***

i) A.F. Ismail, M.A. Rahman, Air separation, Springer, Heidelberg, Germany (In Press, 2012).

## EXPERT REPORT

1. ***Example :***
2. H. Saidi, M. M. El-Sayed Naseff, A. F. Ismail, Removal of CO2 from Natural Gas Using Permeation Membranes ‘, Final Report submitted to Petronas Research And Scientific Services (PRSS), August 1997.

PLENARY LECTURE / KEYNOTE ADDRESS

* 1. ***Example:***
		+ 1. A. F. Ismail et al., Membrane Technology for Malaysia Industrial Applications: Prospects and Challenges” Lecture given at National Seminar on Chemical and Process 2002, 24-26 July, 2002, University Diponegoro, Semarang, Indonesia.

INVITED/GUEST SPEAKER

1. ***Example:***
2. A. F. Ismail et al, Membrane Technology for Industrial Applications: Prospects and Challenges presented at The 27th Congress on Science and Technology of Thailand: Technology for Thai Economics, Prince of Songkla University, Hat Yai, Thailand, 16-18 October 2001

REFEREED CONFERENCES

1. ***Example:***
2. A. F. Ismail, S. J. Shilton, I. R. Dunkin and S. L. Gallivan, Molecular orientation and the performance of hollow fiber membranes for gas separation, Proc. International Membrane Science and Technology Conference, Sydney Australia, 12 – 14 November 1996, Vol. 1, pp. 104 – 106 (ISBN 0 7334 1457 5).