PERSONAL PROFILE

PERSONAL BACKGROUND

Name:	Raja Razuan Bin Raja Deris
Correspondence address:	Applied/Industrial Chemistry Department, Faculty of Applied Sciences, Universiti Teknologi Mara (UiTM) 40450 Shah Alam, Selangor
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PERSONAL DETAILS

Date of Birth	:	10 April 1973
Age	:	44 year
Race	:	Melayu
Nationality	:	Malaysia
Sex	:	Male
Marital Status	:	Married
NRIC No	:	730410-03-5981

COMMUNICATION SKILLS

Able to communicate fluently in spoken and written English and Bahasa Melayu

COMPUTER KNOWLEDGE

Microsoft Word, PowerPoint, Excel, Publisher, Dreamweaver MX

RESEARCH INTEREST

Waste to Energy Technology and Combustion Technology.

AREA OF SPECIALISATION

Combustion of Biomass

EDUCATIONAL BACKGROUND

1. 2008-2012 PhD Chemical and Biological Engineering
   The University of Sheffield
   United Kingdom.

2. 2003-2004 MSc. Environmental and Energy Engineering
   The University of Sheffield
   United Kingdom.

3. 1998-2000 B. Sc. (Hons) Applied Chemistry
   Universiti Teknologi Mara
   40450 Shah Alam, Selangor.

4. 1994-1998 Diploma in Industrial Chemistry
   Universiti Teknologi Mara
   40450 Shah Alam, Selangor

PROFESSIONAL MEMBERSHIPS

1. Associate of Energy Institute (Membership No: 0021856)
2. Energy Institute of Malaysia
3. Malaysian Institute of Chemistry (A/2351/5210/2007)
4. Water Association of Selangor, Kuala Lumpur and Putrajaya (Membership no: M544)

RESEARCH FUNDINGS

	RESEARCH PROJECT	TOTAL FUNDS	BEGIN YEAR	END YEAR
1	Activated carbon produce from combination of durian shell and coconut shell as heavy metal binder in industrial wastewater	RM 32,000.00	2012	2014
2	Utilisation of organic and agrowastes for producing high-value bioproducts and their enhancement as bio-resources for integrated organic farming for the sustainability of Tasik Chini biosphere reserve area.	RM 50,000.00	2012	2014
3	Systematic miniaturized nutrient screening strategies to assess nutrient modulation on microalgal biomass, lipid and biochar	RM 78,000.00	2013	2015
4	Role of ether side chains in reducing viscosity of ionic liquids	RM 79,200.00	2013	2015
5	Desulphurisation of coal combustion flue gas using mixed activated carbon from coconut shell with coal fly ash auto catalytic adsorbent.	RM169,00.00	2014	2016

CONFERENCE PRESENTATION

NO	TITLE	DATE	VENUE
1.	High Temperature Pyrolysis Technology (HTPT) As An Alternative Technique For Municipal Solid Waste And Clinical Waste Disposal	4th – 5th July 2005	National Seminar on Environmental Management, UKM, Bangi, Malaysia
2.	Pyrolysis Of Oil Palm Trunk (OPT)	6th Dec. 2005	Post Graduate Seminar, UKM, Bangi, Malaysia
3.	Pyrolysis Of Refused Derived Fuel	30th – 31st May 2006	National Seminar on Science, Technology & Social Sciences, Kuantan, Pahang
4.	The Effect Of Temperature And Particle Size In The Pyrolysis Of Oil Palm Trunk (OPT)	19th - 21st Dec. 2006	Symposium of Malaysian Chemical Engineers (SOMChe 2006), UiTM Shah Alam.
5.	Pyrolysis of Oil Palm Trunk (OPT): Effect of Temperature and Bio-Oil Properties	29 Mei -1 Jun 2007	Int. Conf. on Adv. Of Mat. And Nanotechnology (ICAMN 2007), Langkawi, Malaysia
6.	Production of Bio-Oil from Oil Palm Trunk by Pyrolysis	13th – 15th Nov 2007	Conference on Oil Palm Tree Utilization Committee (OPTUC) 2007, PJ
7.	Coal: The Social, Economic, Regeneration and Climate Change Opportunities.	28th October 2009	The Edge Conference Centre, University of Sheffield, UK.
8.	Symposium on biofuels Science, Engineering and Sustainability.	12th April 2011	LT 22, E Floor Sir Robert Hadfield Building, Chemical & Biological Engineering, University of Sheffield, UK.

RESEARCH PROJECT SUPERVISION

NO	TITLE	DATE	STATUS
1	Evaluation of Palm Oil Mill Sludge as a Source of Fuel for Pyrolysis Technology	Nov. 2005	BSc.
2	Evaluation of Malaysian Refuse Derived Fuel (RDF) as a Source of Fuel for Pyrolysis Technology	Nov. 2005	BSc.
3	Pyrolysis of Oil-Palm Trunk	Apr. 2006	BSc.
4	Pyrolysis of Rice Straw	Apr. 2006	BSc.
5	Pyrolysis of Oil Palm Empty Fruit Bunch (EFB)	May 2006	BSc.
7	Evaluation of Bio-Oil from Oil Palm Trunk produced during Pyrolysis Process	May 2006	BSc.
8	Effect of Catalyst on Carbon Nanotubes Deposited from Thermal Chemical Vapor Deposition Using Camphor	Apr. 2007	BSc.
9	Preparation of Carbon Nanotubes by Spray Pyrolysis Using Palm Oil Precursor	Apr. 2007	BSc.
10	Study of Effect on Various Catalyst on Bio-Oil Production During	Apr. 2008	BSc.

	Pyrolysis of Oil Palm Trunk		
11	Study of Effect on Various Catalyst on Bio-Oil Production During Pyrolysis of Oil Palm Frond	Apr. 2008	BSc.
12	Pyrolysis of Rubber Wood Saw Dust	Apr. 2008	BSc.
13	Slow Pyrolysis of Waste Kenaf Powder	Jul. 2012	BSc.
14	Biohydrogen Production from Thermochemical Conversion of Biomass	Sep. 2017	MSc.
15	Development of Gas Adsorbent from Catalytic Mixed Biomass for Flue Gas Treatment	Sep. 2017	MSc.

WORKING EXPERIENCES

1. **Pengarah, Institut Kepimpinan Pelajar** (1st April 2015 – Present)
   Universiti Teknologi Mara Negeri Sembilan
   Kampus Kuala Pilah, Pekan Parit Tinggi
   72000 Kuala Pilah
   Negeri Sembilan

2. **Timbalan Rektor HEP** (1st Sept 2013 – 1st April 2015)
   Universiti Teknologi Mara Negeri Sembilan
   Kampus Kuala Pilah, Pekan Parit Tinggi
   72000 Kuala Pilah
   Negeri Sembilan

3. **Senior Lecturer** (28th Oct 2012 – Present)
   Applied/Industrial Chemistry Department,
   Faculty of Applied Sciences,
   Universiti Teknologi Mara (UiTM)
   40450 Shah Alam,
   Selangor.

4. **Pengetua** (1st June 2006 – 1st Aug. 2008)
   Applied/Industrial Chemistry Department,
   Faculty of Applied Sciences,
   Universiti Teknologi Mara (UiTM)
   40450 Shah Alam,
   Selangor

5. **Lecturer** (5th June 2001 – 28th Oct. 2012)
   Applied/Industrial Chemistry Department,
   Faculty of Applied Sciences,
   Universiti Teknologi Mara (UiTM)
   40450 Shah Alam,
   Selangor.

6. **Chemical Engineer** (5th July 2000– 30th June 2001)
   NFP Industries (M) Sdn.Bhd.
   Lot 125, Gebeng Industrial Estate,
   26080 Kuantan, Pahang Darul Makmur.

7. **Laboratory Technician** (May, 2000 – July 2000)
   Fosroc Construction International Development Centre.
   No. 8, Jalan Trompet 33/8, Seksyen 33, 40400 Shah Alam

8. **Laboratory Technician** (1991-1993)
   Rothmans of Pall-Mall (M) Sdn. Bhd.
   Petaling Jaya, Selangor.

9. **Practical Training** (06/10/97 - 03/01/98)
Colgate Palmolive (M) Sdn. Bhd.
Jalan Semangat, Section 13, Petaling Jaya. Selangor:

VOLUNTARILY WORKS

NO	PROJECT TITLE	DATE	POSITION
1.	Interaksi Mega Kolej Perindu, UiTM – Universiti Brunei Darussalam.	Dec. 2006	Adviser/Head of deligation.
2.	Discovery of Zhong Guo – Beijing	Dec. 2007	Adviser/Head of deligation.
3.	Pelancaran Tabung Kemanusian Darfur, Sudan	Feb. 2007	Adviser
4.	Global I-Lead Team (GILT 2012)- Maktab Rendah Sains Mara	Dec 2012	Adviser/Coordinator

AWARDS

NO	PROJECT TITLE	VENUE	DATE	AWARD
1.	Production of bio-oil from oil palm trunk by pyrolysis technology.	International Exposition of Research and Inventions of Institutions of Higher Learning (PECIPTA 2007).	2007	Bronze
2.	Pyrolysis of oil palm trunk: Effect of catalyst on bio-oil production.	Invention, Innovation and Design (IID)	2007	Grand Prize

HOBBIES AND INTERESTS

- To involve and contribute in any social or charity work for the interest of public.

HAND ON EXPERIENCES

1. **PhD Thesis** (2012)
Title: Combustion and Slow Pyrolysis of Oil Palm Stones and Palm Kernel Cake.

2. **MSc. Thesis** (2004)
Title: Comparative Study of Pyrolysis and Fluidised Bed Combustion on Refuse Derived Fuel (RDF).

3. **Final Year Project (BSc.)** (April 2000)
Title: Preparation and Characterisation of *Aloe Vera* Emulsion System for Cosmetic Application.

4. **Research Assistant** (1998-1999)
Project Title: Immobilization Techniques for Encapsulation of Biological Active Molecules.

5. **Final Year Project (Diploma)** (May 1997-April 1998)
Title: Preparation of Moisturizing Facial Cream: *Aloe Vera* as an Active Ingredient.

PUBLICATIONS

1. R. Razuan, et.al., Pyrolysis and combustion of oil palm stone and palm kernel cake in fixed-bed reactors, Bioresource Technology 101 (2010) 4622–4629.
2. R.Razuan, et. al., Combustion of oil palm stone in a pilot-scale fluidised bed reactor, Fuel Processing Technology, 92 (2011) 2219–2225.
3. R. Razuan et. al., Pelletised fuel production from palm kernel cake, Fuel Processing Technology 92 (2011) 609–615.
4. R.R.R.Deris, et.al (2005) “High temperature pyrolysis technology (HTPT) as an alternative technique for municipal solid waste and clinical waste disposal” National Seminar on Environmental Managements, UKM, Bangi.
5. R.R.R.Deris, et.al (2005) “Pyrolysis of Oil-Palm Trunk” Third World Conferences on Environmental Management, UKM, Bangi.
6. R.R.R.Deris, et.al (2006) “Pyrolysis of Refuse Derived Fuel (RDF)” Science Technology and Social Sciences Seminar (STSS), Kuantan, Pahang.

REFEREES

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