

NORAINI HAMZAH
(MyRA IMPACT ACTIVITIES)

Name :	Noraini Hamzah
Faculty :	Faculty of Applied Sciences
Staff No :	164195
Grade of Position (VK7/DM54/DM52 etc)	DM52
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BASIC PROFILE

Lecturer DM45/DM46/DM51/DM52/DM53/DM54

Appointments	Date/Year of Appointment
Lecturer DM45	16.6.2004
Lecturer DM52	26.7. 2011
Year of Birth :	7 Feb 1971
Ph.D Qualification (Year Obtained)	2013
Professional Qualification (Year Obtained)	

POSTGRADUATE SUPERVISION*(Only those within last five years, Please indicate if it is at other institutions)***ON-GOING POSTGRADUATE (RESEARCH) SUPERVISION (Includes Co-supervision)**

	Students Name	Institutions	Year Enrolled	Year End
1.	NOOR LIYANA BT MOHD ROHAIZAD	UiTM	2015	2017
2.	ERMA HAFIZA BT IBRAHIM	UiTM	2017	2019

RESEARCH FUNDINGS (State whether Principal/Co-Researcher)**NATIONAL LEVEL ACTIVE RESEARCH FUNDING (MOSTI/FRGS & Others) (Last Five Years)**

	Research Project	Source	Total Funds	Begin Year	End Year
1	Co-Researcher , Application of Novel Clay Based Material in Removal of Environmental Contaminants	FRGS	RM73, 500	2008	2010
2	Co-Researcher , Development of Heterogenous Catalysts For Hydrogenolysis of Glycerol	FRGS	RM77,440	2010	2013
3	Leader , Evaluation of Catalytic Activity on Bentonite Catalyst for Glycerol Etherification	FRGS	RM 103,000	2014	2016

Dana Kecemerlangan UiTM (Last Five Years)

	Research Project	Total Funds	Begin Year	End Year
1	600-IRMI/GIP 5/3 (0066/2016)	RM25000	2016-09-01	2018-03-03
2	600-IRMI/DANA 5/3/BESTARI (050/2017)	RM50000	2017-10-01	2019-09-30
3	600-IRMI/PERDANA 5/3 BESTARI (088/2018)	RM25000	2018-01-01	2019-12-31

PUBLICATIONS (Only those indexed in IEEE/ISI/SCOPUS)

(Please ensure that you indicate whether papers are indexed in IEEE/ISI/Scopus, also indicate the impact factor if available)

PUBLICATIONS FOR 2017

1. **Noraini Hamzah**, Wan Zurina Samad and Mohd Ambar Yarmo.2017. Influence of calcination temperature on the catalytic properties of Os/bentonite for glycerol hydrogenolysis. *Journal of material Science Forum*.888 MSF pp 518-523
2. Wan Zurina Samad, Wan Nor Roslam Wan Isahak, **Noraini Hamzah**, Mohd Ambar Yarmo and Rahimi Yusop.2017. Effect of metals compatibility on Fluorine-doped tin oxide catalyst for glycerol conversion to 1,2-propanediol. *Journal of material Science Forum*. 888 MSF pp 496-502

PUBLICATIONS FOR 2016

1. **Noraini Hamzah** and Mohd Ambar. 2016. Effect of support materials on catalytic activity of nano ruthenium catalyst in hydrogenolysis of glycerol. *Malaysian Journal of Analytical Sciences*. 20(2) pp393-400

PUBLICATIONS FOR 2013

1. **Noraini Hamzah**, Nor Asikin Mohamad Nordin, Wan Nor Roslam Wan Nor Isahak, Mohamad Kassim & Mohd Ambar Yarmo. 2013. Study on Effect Recyclability of Ru/bentonite-TiO₂ Catalysts in Glycerol Hydrogenolysis Reaction using X-ray Photoelectron Spectroscopy (XPS). *Jurnal of Advanced Materials Research* Vol. 620 pp 289-294.

2. **Noraini Hamzah**, Rozita Osman & Mohd Ambar Yarmo. 2013. An Experimental Design Approach for the Analysis of Liquid Phase Products in Water For Hydrogenolysis of Glycerol using Immersed Solid-Phase Microextraction. *The Malaysian Journal of Analytical Sciences* Vol.17, No 1. pp 38-49.

PUBLICATIONS FOR 2012

1. **Noraini Hamzah**, Norasikin Mohamad Nordin, Ainol Hayah Ahmad Nadzri, Yah Awg Nik, Mohamad B. Kassim, Mohd Ambar Yarmo. Enhanced activity of Ru/TiO₂ catalyst using bisupport, bentonite-TiO₂ for hydrogenolysis of glycerol in aqueous media. *Applied Catalysis A: General* 419– 420 (2012) 133– 141 (IF = 3.3 , scopus)
2. **Noraini Hamzah**, Wan Nor Roslam Wan Isahak, Nadia Farhana Adnan, Norasikin Mohamad Nordin, Mohamad Kassim, & Mohd Ambar Yarmo .Catalytic Activity and Physical Properties of Nanoparticles Metal Supported on Bentonite For Hydrogenolysis of Glycerol. *Advanced Materials Research* Vol. 364 (2012) pp 211-216 (IF = 0.03, scopus)
3. Norasikin Mohamad Nordin, Nadia Farhana Adnan, **Noraini Hamzah**, Wan Nor Roslam Wan Isahak, Aliffee Ayatillah, Jumat Salimon, Mohd Ambar Yarmo & Rose Aini Kamaruddin . Comparison of Different Heterogenous Catalysts For The Estolides Synthesis From Oleic Acid. *Advanced Materials Research* Vol. 364 (2012) pp 288-292 (IF = 0.03, scopus)
4. Wan Nor Roslam Wan Isahak, Manal Ismail, Norasikin Mohamad Nordin, **Noraini Hamzah**, Khadijeh B. Ghoreisgi, Jamaliah Md Jahim & Mohd Ambar Yarmo. Synthesis and Characterization of Silicotungstic Acid Nanoparticles via Sol Gel Technique in Esterification Reaction. *Advanced Materials Research* Vol. 364 (2012) pp 266-271 (IF = 0.03, scopus)

PUBLICATIONS FOR 2011

1. **Noraini Hamzah**, Aznira Alias, Mohamad Kassim, & Mohd Ambar Yarmo. Effect of ruthenium metal precursors supported on bentonite in hydrogenolysis glycerol. *Advanced Materials Research* Vol. 173 (2011) pp 134-139 (IF = 0.03, scopus)
2. Aznira Alias, **Noraini Hamzah** & Mohd Ambar Yarmo . Hydrogenolysis of glycerol to propanediols over nano Ru/C catalyst with ionic liquid additions. *Advanced Materials Research* Vol. 173 (2011) pp 49-54 (IF = 0.03, scopus) (IF = 0.03, scopus)
3. Ainol Hayah Ahmad Nadzri, **Noraini Hamzah**, Aznira Alias , Jumat Salimon & Mohd Ambar Yarmo. Selective Oxidation of Glycerol over Titania Supported AuPd Bimetallic Catalysts. *Advanced Materials Research* Vol. 173 (2011) pp 155-160 (IF = 0.03, scopus)
4. Ainol Hayah Ahmad Nadzri, **Noraini Hamzah**, Nik Idris Nik Yusoff and Mohd Ambar Yarmo. Oxidation of Glycerol Using Titania Supported Au-Pd Bimetallic Catalysts: Effect of Au-Pd Ratios on Catalytic Performance. *Functional Material Letters* Vol.4, No. 3(2011) 309-313 (IF = 2.671 , scopus)