

CURRICULUM VITAE



Dr. Hamdan bin Mohamed Yusoff
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Education

1. PhD. Chemical Engineering, 2008, University of Canterbury, New Zealand
2. B. Sc. Chemical Engineering, 1995, Universiti Teknologi Malaysia.

Areas of Interest

1. Process Engineering
2. Nanomaterials
3. Process Safety

Professional Qualification/ Membership/ Affiliation

1. Member, Institute of Engineer, New Zealand (IPENZ)
2. Member, Board of Engineers Malaysia (BEM)

Appointments

Position	Duration
1. Development Coordinator, Department of Chemical & Environmental Engineering, Faculty of Engineering, UPM	Jan 2012 to date
2. Program Coordinator, Master in Process Safety & Loss Prevention, Faculty of Engineering, UPM	Jan 2011– Dec 2013
3. Research assistant, University of Canterbury, New Zealand	Feb 2004 – Jan 2006
4. Process Engineer, Esterol Sdn Bhd, Shah Alam	July 1995 – Dec 2002

Publications

Journals (30 recent journals)

1. Rahmanian, S., Thean, K.S., Suraya, A.R., Shazed, M.A., Mohd Salleh, M.A., **Yusoff, H.M.** Carbon and glass hierarchical fibers: Influence of carbon nanotubes on tensile, flexural and impact properties of short fiber reinforced composites *Materials and Design* Volume 43, 2013, Pages 10-16
2. M.R. Atiyah, D.R. Awang Biak, F. Ahmadun, I.S. Ahamad, F. Mohd Yasin, **H. M Yusoff** Low Temperature Growth of Vertically Aligned Carbon Nanotubes via Floating Catalyst Chemical Vapor Deposition Method *Journal of Materials Science & Technology* Volume 27, Issue 4, April 2011, Pages 296–300
3. Lim Siang Yinga, Mohamad Amran bin Mohd Salleha, **Hamdan b. Mohamed Yusoff**, Suraya Binti Abdul Rashida, Jeefferie b. Abd. Razak *Journal of Industrial and Engineering Chemistry* Volume 17, Issue 3, 25 May 2011, Pages 367–376
4. Mohd Salleh, M.A.; Kisi, N.H.; **Yusoff, H.M.**; Ab Karim Ghani, W.A.W. Gasification of Biochar from Empty Fruit Bunch in a Fluidized Bed Reactor. *Energies* 2010, 3, 1344-1352.
5. Shastry, R., Abrahamson, J., **Yusoff, H.**, Querrioux, T "Parameters affecting deposition of multiwalled carbon nanotubes on a continuously fed substrate using arc discharge": *Nanoscience and Nanotechnology*, 2006.

6. **Hamdan Mohamed Yusoff, Abrahamson, J.** and Rahul Shastry. "Influence of anode surface temperature in a continuously-fed arc discharge depositing carbon nanotubes" *Nanoscience and Nanotechnology*, 2006.
7. **Hamdan M. Yusoff**, Rahul Shastry, Thomas Querrioux and John Abrahamson. "Nanotube deposition in a continuous arc reactor for varying arc gap and substrate temperature" *Current Applied Physics* Volume 6, Issue 3, June 2006, Pages 422-426

Conference Proceedings (30 recent Conference Proceedings)

1. **H. M. Yusoff**, R. Shastry and J. Abrahamson "Effect of Arc parameters on CNT growth using a continuous reactor" Second International Conference on Advanced Materials and Nanotechnology (AMN-2), Queenstown, New Zealand, 6-11 Feb 2005. Oral Presentation
2. **H. M. Yusoff**, R. Shastry and J. Abrahamson "Mass production of carbon nanotubes using arc discharge" World Engineering Congress 2010, 2nd – 5th August 2010, Kuching, Sarawak, Malaysia
3. T.T Dele-Afolabi, M.A AzmahHanim, N.Ghamarian, M.Norkahirunnisa and H.M. Yusoff Effect Of CNT Addition On The Physical, Microstructural And Mechanical Properties Of Lead Free Solders: A Critical Review , The Postgraduate Symposium On Composites Science And Technology 28 Jan 2014 Putrajaya, Malaysia.

Chapter in Books (If any)

1. Abidin, Zurina Zainal, Awang Biak, Dayang Radiah, **Mohamed, Hamdan** and Harun, Mohd Yusof Solid–Liquid Extraction in Biorefinery in Shri Ramaswamy, Hua-Jiang Huang, Bandaru V.
2. Ramarao, Separation and Purification Technologies in Biorefineries, John Wiley & Sons, 2013

Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Low Temperature Floating Catalyst Chemical Vapour Deposition (FC-CVD) : Study of Carbon Nanotubes growth mechanism and CFD modelling	44,000	2010-2012	FRGS
2.	CFD simulation of continuous reactor producing CNTs	30,000	2010-2012	RUGS

Professional Services/Consultation

No	Year	Title	Authority	Amount
1.	2013	Trainer – Air Pollution Control of Solid Fuel Boiler	EiMAS, DOE	RM3000
2.	2012	Training Module Development – Air Pollution Control of Solid Fuel Boiler	EiMAS, DOE	RM30000

Student Supervision

PhD (Main Supervisor)

No.	Name	Title	Status
1.	Farhad Ostovan (GS 33391)	Fundamental Study On Aluminum Reinforcement Using Carbon Nano Tubes And Nano Alumina Using Powder Metallurgy Method.	On-going

MS with thesis (Main Supervisor)

No.	Name	Title	Status
1.	Elmira Habasizadeh (GS 26984)	The Effect Of Hydrogen Flow Rate On Carbon Nanotube Synthesis In Low Temperature	Ongoing

No.	Name	Title	Status
2.	Fatemeh Mohammadosh (GS 34846)	Nano bio ceramic Hydroxyapatite	Ongoing

MS without Thesis (Main Supervisor)

No.	Name	Title	Status
1.	Ahmad Fuad Jusin (2011/2012)	Process safety Management in Petrochemical Plant	Graduated
2.	Mohd Ariff Mohd Diah (2013/2014)	Missing Safety Measures Led to Fire Incident : Lessons Learnt for Construction Yard	Ongoing
3.	Rozalmi Suhaimi (2013/2014)	Static Electricity Control - Ink Processing Plant	Ongoing
4.	Thandayuthapani (2013/2014)	Investigation study of ESD produced in Black Pepper Grinding Machine at MPB, Sarawak	Ongoing
5.	Mohd Helmy Mohd Latif (2013/2014)	Analysis Of Approaches & Methodologies Practices By Oil & Gas Companies In Establishing A Sound Safety Culture	Ongoing