

## CURRICULUM VITAE



Dr. Faizah Md Yasin  
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### Education

1. PhD Nanotechnology, 2014, The University of Western Australia, Australia.
2. M.Sc. Chemical Engineering, 2006, Universiti Putra Malaysia
3. BEng (Hons) Chemical Engineering, 1993, University of Manchester Institute of Science and Technology, England.

### Areas of Interest

1. Nanotechnology
2. Nanosensor

### Professional Qualification/ Membership/ Affiliation

1. Associate Member, Institution of Chemical Engineers (IChemE) Malaysia
2. Graduate Member, Board of Engineers Malaysia (BEM)

### Appointments

Position	Duration
1. Senior Lecturer, Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM	2015 to date
2. Lecturer, Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM	2007 - 2015
3. Tutor, Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM	2000 – 2007

### Publications

#### Journals (30 recent journals)

1. Xianjue Chen, **Faizah Md Yasin**, Paul K. Eggers, Ramiz A. Boulos, Xiaofei Duan, Robert N. Lamb, K. Swaminathan Iyer and Colin L. Raston. Non-covalently modified graphene supported ultrafine nanoparticles of palladium for hydrogen gas sensing. RSC Advances, 2013, 3, 3213.
2. Fei Zhang, Xianjue Chen, Ramiz A. Boulos, **Faizah Md Yasin**, Haibo Lu, Colin Raston and Hongbin Zhang. Pyrene-conjugated hyaluronan facilitated exfoliation and stabilisation of low dimensional nanomaterials in water Chemical Communication, 2013, 49, 4845.
3. Yuhan A. Goh, Xianjue Chen, **Faizah Md Yasin**, Paul K. Eggers, Ramiz A. Boulos, Xiaolin Wang, Hui Tong Chua and Colin L. Raston. Shear flow assisted decoration of carbon nano-onions with platinum nanoparticles. Chemical Communication, 2013, 49, 5171.



4. **Faizah Md Yasin**, K Swaminatha Iyer, Colin L. Raston. Palladium nano-carbon-calixarene based devices for hydrogen sensing. *New Journal of Chemistry*, 2013, 37, 3289.
5. Fei Zhang, **Faizah Md Yasin**, Xianjue Chen, Jingxin Mo, Colin L. Raston, Hongbin Zhang. Functional noble metal nanostructures involving pyrene-conjugated-hyaluronan stabilized reduced graphene oxide. *RSC Advances*, 2013, 3, 25166.
6. A. H. M. Ali, S. Sobri, Salmiaton A., **Faizah M. Y.**, Recovery of Heavy Metals from Spent Etching Waste Solution of Printed Circuit Board Manufacturing, *Pertanika Journal of Science and Technology*, 2013, 21 (1), 367-378
7. **Faizah Md Yasin**, Ramiz A. Boulos, Boon Yong Hong, Andrew Cornejo, K. Swaminathan Iyer, Lizhen Gao, Hui Tong Chua and Colin L. Raston. Microfluidic size selective growth of palladium nano-particles on carbon nano-onions.. *Chemical Communication*, 2012, 48, 10102.
8. Amin Firouzi, Shafreeza Sobri, **Faizah Mohd Yasin**, Fakhru'l-Razi Ahmadun. CH<sub>4</sub> and CO<sub>2</sub> Detection using carbon nanotubes based sensors. *Advanced Materials Research*, 2011, 214, 482.
9. Amin Firouzi, Shafreeza Sobri, **Faizah Mohd Yasin**, Fakhru'l-Razi Ahmadun. The effect of CH<sub>4</sub> and CO<sub>2</sub> Exposure on carbon nanotubes electrical resistance. *Advanced Materials Research*, 2011, 214, 655.
10. Muataz R. Atiyah, Dayang R. A. B., F., Ahmadun, I.S. Ahamad, **F.M. Yasin**, H. M. Yusoff. Low Temperature Growth of Vertically Aligned Carbon Nanotubes via Floating Catalyst Chemical Vapour Deposition Method. *Journal of Material Science Technology*, 2011, 27, 4 pp 296-300
11. **Faizah Md Yasin**. (2009). Room Temperature Multi Gas Detection Using Carbon Nanotubes. *European Journal of Scientific Research*, Vol 35, pp 142-149.
12. **Faizah M.Y.**, Fakhru'l-Razi A., Sidek R.M., Rosdi Naim M.M. (2008). Synthesis of Carbon Nanotubes for Acetylene Detection. *Journal of Engineering Science and Technology*, Vol 3, No 1 pp 71-78
13. **Faizah M.Y.**, Fakhru'l-Razi A., Sidek R.M., Mat M.R.N. (2007). Synthesis of Carbon Nanotubes and Its Application as Gas Sensor. *Malaysian Journal of Chemical Engineering*, Vol 1, pp 41-48
14. **Faizah M.Y.**, Fakhru'l-Razi A., Sidek R.M., Liew Abdullah A.G.. (2007). Gas Sensor Application of Carbon Nanotubes. *International Journal of Engineering and Technology*, Vol 4, pp 106-113
15. Fakhru'l-Razi, S.E. Iyuke, A.A. Muataz, A.B.M. Danna, M.F. Al-Khatib, **F.M. Yasin** (2003). Carbon Nanoporous Balls Adsorb Methane better than Activated Carbon at Room Temperature and Pressure. *Asia Pacific Nanotechnology Forum News Journal*, Vol 2, No 3 pp 26-30

1. International Symposium on Functional Materials 2012, 17-20 December 2012 Perth, Western Australia. Carbon Nano-device for Hydrogen Sensing. **F. M. Yasin**, K. Swaminathan Iyer and Colin L. Raston.
2. ICONN 2012 International Conference on Nanoscience and Nanotechnology 5-9 February 2012, Perth, Western Australia. Carbon Nano-Onions Palladium hybrid hydrogen sensing. **F.M. Yasin**, K.S. Iyer, H.T. Chua and C.L. Raston
3. AMN-5 Fifth International Conference on Advanced Materials and Nanotechnology 7 - 11 February 2011, Wellington New Zealand. Scalable Synthesis of Palladium/Single Wall Carbon Nanotube Based Hydrogen Sensors. **F.M Yasin**, J. Zou, K.S. Iyer, and C. L. Raston
4. Amin Firouzi, Shafreeza Sobri, **Faizah Mohd Yasin**, Fakhru'l-Razi Ahmadun. Fabrication of gas sensors based on carbon nanotubes for CH<sub>4</sub> and CO<sub>2</sub> detection. 2010 International conference on Nanotechnology and Biosensors, 2011.
5. Amin Firouzi, Shafreeza Sobri, **Faizah Mohd Yasin**, Fakhru'l-Razi Ahmadun. Synthesis of carbon nanotubes by chemical vapour deposition and their application for CH<sub>4</sub> and CO<sub>2</sub> detection. 2010 International conference on Nanotechnology and Biosensors, 2011.
6. Roslina Mohd Sidek, Farah Aniza Mohd Yusof, **Faizah Md Yasin**, Rahman Wagiran, Fakhru'l-Razi Ahmadun. Electrical Response of multiwalled carbon nanotubes to ammonia and carbon dioxide. ICSE2010.
7. **Faizah M.Y.**, Fakhru'l-Razi A., Sidek R.M., Liew Abdullah A.G. (2007). Gas Sensor Application of Carbon Nanotubes. 2<sup>nd</sup> International Engineering Convention 2007, pp 42-49
8. **Faizah M.Y.**, Fakhru'l-Razi A., Sidek R.M., Mat M.R.N. (2007). Production of Carbon Nanotubes For Gas Sensor Application. 21<sup>st</sup> Symposium of Malaysian Chemical Engineers : MN024
9. **Yasin, F.M.**, Iyuke, S.E., Ahmadun, FR., Muataz, A.A., Masrom, A.K.. Synthesis of carbon nanotubes over Fe as substrate catalyst. Proc. 12<sup>th</sup> Scientific Conference and 13<sup>th</sup> Annual General Meeting Electron Microscopy Society of Malaysia : 669-672 (2003)
10. Muataz, A.A., Ahmadun, FR., Masrom, A.K., Biak, D.R.A., Mahdi, E., Hashim, A.H., **Yasin, F.M.**, Alkhatib, M.F., Ismail, M.H.S. (2003). Production of carbon nanotubes over Ni as substrate catalyst. Proc. 12<sup>th</sup> Scientific Conference and 13<sup>th</sup> Annual General Meeting Electron Microscopy Society of Malaysia : 673-678 (2003)
11. Muataz, A.A., Ahmadun, FR., Biak, D.R.A., Mahdi, E., G.T. Chuah, F.A. Ma'an, I. Sunny, **Yasin, F.M.**, D. Abdul Hamid, I.S. Mohd Halim, Synthesis and characterization of carbon nanofibers and nanotubes using floating catalyst chemical vapour deposition (FC-CVD). Proc. 17<sup>th</sup> Symposium of Malaysian Chemical Engineers (SOMChE 2003)

#### Books (If any)

#### Chapter in Books (If any)

#### Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Investigation on Effects of Gas Absorption Towards Carbon Nanotubes Electrical Resistance	100,000	2007-2009	FRGS
2.	The Fundamental Study of Growth Mechanism of Selective Metal Nanoparticles Decoration on Carbon Nanomaterials	102,000	2015-2017	FRGS

## Student Supervision

### PhD

No.	Name	Title	Status
1.	May Ali Muslim	Synthesis and characterization of Graphene grown on Aluminium Oxide substrate using CVD for gas sensing	On-going
2.	Yusuf Tijjani	Development of durable CNTs re-inforced silica based refractory material for lining foundry cupola	On-going
3.	Nurjahirah Janudin		On-going

### MS with thesis

No.	Name	Title	Status
1.	Amin Firouzi	Effects Of Gas Adsorption on Electrical Resistance of Carbon Nanotubes	Graduated
2.	Abd Halim Md Ali	Selected Metal Recovery From Printed Circuit Board Wastewater	Graduated
3.	Sharmeen Adnan	Impregnation of in house synthesized carbon nanotubes in bacterial cellulose production.	Graduated
4.	Intesar Razaq Hussain	Synthesis magnetic graphene oxide and its application for clean-up oil spill	On-going
5.	Mostafa Yusefi	Preparation and Characterization of PLA/cow dung based biocomposite	Graduated
6.	Zainelabdin Khalid Zainelabdin Elfaki	Preparation, optimization and characterization of cellulose nanocrystals from rice husk for food packaging application	On-going

### MS without thesis

No.	Name	Title	Status
1.	Omar Abed Habeeb	Adsorption of hydrogen sulphide in wastewater from petroleum refinery by using wastes of eggshell	Graduated
2.	Mohd Ghaus Mohd Hashim	Process safety Management for HAZMAT Team in Peninsular Malaysia	Graduated
3.	Noor Hisyam bin Noor Hassim	Association Between Level Of Stress And Event Of Train Hit Something Among Train Drivers	On-going
4.	Faiz Azmi bin Sutarji	Human Behavior Towards Unsafe Acts In Ship Repair Activities for Royal Malaysian Navy Ships In Boustead Naval Shipyard Sdn Bhd, Lumut Naval Base	On-going