



## CURRICULUM VITAE

### DR. FAIZAH MD YASIN

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#### Academic Qualifications

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

#### Area of Interest

- Nanotechnology
- Nanosensor

#### Appointment

- Senior lecturer, Department of Chemical and Environmental Engineering, Universiti Putra Malaysia, Malaysia, 2015 – to date
- Lecturer, Department of Chemical and Environmental Engineering, Universiti Putra Malaysia, Malaysia, 2007 – 2015
- Tutor, Department of Chemical and Environmental Engineering, Universiti Putra Malaysia, Malaysia, 2000 – 2007

#### Scientific Experience and Specialisation

Organisation	Position	Start Date	End Date	Expertise
Institute of Nanoscience and Nanotechnology, UPM	Research Associate	2018	2023	Nanotechnology, Material processing and Technology
Ministry of Education, Co-curriculum and cultural unit	Judge	2017	2017	National Innovation in Science, Technology and Engineering

#### Professional Qualification/ Membership/ Affiliation

- Associate Member, Institution of Chemical Engineers (IChemE) Malaysia
- Graduate Member, Board of Engineers Malaysia (BEM)

## Publications

### Journals

1. Siti Nur Sharmila Abdullah, Kalai Arasu Subramaniam, Zahir Haizat Muhamad Zamani, Seri Narti Sarchio, **Faizah Md Yasin**, Shamsi S. 2022 Biocompatibility Study of Curcumin-Loaded Pluronic F127 Nanoformulation (NanoCUR) against the Embryonic Development of Zebrafish (*Danio rerio*). *Molecules*, 2022 vol 27(14), 4493
  2. Shamsi S, Abdul Ghafor AAH, Norjoshukrudin NH, Ng IMJ, Abdullah SNS, Sarchio SNE, **Md Yasin F**, Abd Gani S, Mohd Desa MN, Stability, Toxicity, and Antibacterial Potential of Gallic Acid-Loaded Graphene Oxide (GAGO) Against Methicillin-Resistant *Staphylococcus aureus* (MRSA) Strains. *International Journal of Nanomedicine*, 2022, 17, pp. 5781–5807
  3. Amri, M.R., **Yasin, F.M.**, Abdullah, L.C., Al-Edrus, S.S.O., Mohamad, S.F. Ternary nanocomposite system composing of graphene nanoplatelet, cellulose nanofiber and jatropha oil based waterborne polyurethane: Characterizations, mechanical, thermal properties and conductivity, *Polymers*, 2021, 13(21), 3740
  4. Amri, M.R., Guan, C.T., Osman Al-Edrus, S.S., **Yasin, F.M.**, Mohamad, S.F. 2021 Effect of cellulose nanofibrils on the properties of jatropha oil-based waterborne polyurethane nanocomposite film. *Polymers*, 2021, 13(9), 1460
  5. Mohamad Ridzuan Amri, Syeed Saifulazry Osman Al-Edrus, Chuah Teong Guan, **Faizah Md Yasin**, and Lee Seng Hua. 2021 Jatropha Oil as a Substituent for Palm Oil in Biobased Polyurethane. *International Journal of Polymer Science*, vol 2021
  6. Shamsi, S., Alagan, A.A., Sarchio, S.N.E., **Md Yasin, F**. 2020. Synthesis, characterization, and toxicity assessment of Pluronic F127-functionalized graphene oxide on the embryonic development of Zebrafish (*Danio Rerio*). *International Journal of Nanomedicine* 15: 8311–8329
  7. May Ali Alsaffar, Suraya Abdul Rashid, Bamidele Victor Ayodele, Mohd Nizar Hamidon, **Faizah Md Yasin**, Ismayadi Ismail, Soraya Hosseini & Farahnaz Eghbali Babadi, Response Surface Optimization of Multilayer Graphene Growth on Alumina-Supported Bimetallic Cobalt–Nickel Substrate. *Arabian Journal for Science and Engineering*, 2020, 45, 7455-7465
  8. Pudza, M.Y. Abidin, Z.Z., Abdul-Rashid, S., **Yasin, F.M.**, Noor, A.S.M., Abdullah, Selective and simultaneous detection of cadmium, lead and copper by tapioca-derived carbon dot–modified electrode. *Environmental Science and Pollution Research*, 2020, 27, 12, 13315-13324
  9. Pudza, M.Y., Abidin, Z.Z., Rashid, S.A., **Yasin, F.M.**, Noor, A.S.M., Issa, M.A, Eco-friendly sustainable fluorescent carbon dots for the adsorption of heavy metal ions in aqueous environment. *Nanomaterials*, 2020, 10, 2
  10. N.S. Ahmad, N.Abdullah, **F.M.Yasin**, Toxicity assessment of reduced graphene oxide and titanium dioxide nanomaterials on gram-positive and gram-negative bacteria under normal laboratory lighting condition. *Toxicology Reports*, 2020, 7, 693-699
  11. Ahmad Ashraful Hadi Abdul Ghafor, Nurhuda Elias, Suhaili Shamsi, **Faizah Md Yasin** and Seri Narti Edayu Sarchio, Toxicity Assessment of Gallic Acid Loaded Graphene Oxide (GAGO) Nano-Formulation in Zebrafish (*Danio Rerio*) Embryos. *Pertanika J. of Sci & Technol.* 28 (1):311-326 (2020)
  12. Nurul Shahidah Ahmad, Norhafizah Abdullah, **Faizah Md Yasin**, Antifungal Activity of Titanium Dioxide Nanoparticles against *Candida Albicans*. *Bioresources* 2019, 14(4), 8866-8878
  13. Musa Yahaya Pudza, Zurina Zainal Abidin, Suraya Abdul Rashid, **Faizah Md Yasin**, Ahmad Shukri Muhammad Noor and Mohammed A. Issa, Sustainable Synthesis Processes for Carbon Dots through Response Surface Methodology and Artificial Neural Network. *Processes*, 2019, 7, 704
  14. Musa Y. Pudza, Zurina Z. Abidin, Suraya Abdul-Rashid, **Faizah Md. Yassin**, Ahmad S. M Noor, and Mohammed Abdullah, Synthesis and Characterization of Fluorescent Carbon Dots from Tapioca. *Chemistry Select* 2019, 4, 4140-4146
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15. Ali, N.A., **Yasin, F.M.**, Synthesis and characterization of silver and gold nanoparticles decorated reduced graphene oxide. AIP Conference Proceedings, 2019, 2151, 020017
  16. Nurjahirah Janudin, Norli Abdullah, **Faizah Md Yasin**, Mohd Hanif Yaacob, Muhammad, Zamharir Ahmad, Luqman Chuah Abdullah, Raja Nor Izawati Raja Othman, Noor Aisyah Ahmad Syah, Shafreeza Sobri, Noor Azilah Mohd Kasim (2018). Carbon Nanotubes-based Gas Sensor in Detection of Methane Gas at Room Temperature. ZULFAQAR International Journal of Defence Science, Engineering & Technology. 1(2), 76-84.
  17. Nurjahirah Janudin, Norli Abdullah, **Faizah Md Yasin**, Mohd Hanif Yaacob, Muhammad, Zamharir Ahmad, Luqman Chuah Abdullah, Raja Nor Izawati Raja Othman, Noor Aisyah Ahmad Syah, Shafreeza Sobri, Noor Azilah Mohd Kasim (2018). Low Cost and Room Temperature Methane Detection using Multi Walled-Carbon Nanotubes Functionalized with Octadecanol. ZULFAQAR International Journal of Defence Science, Engineering & Technology.1(2) 65-75
  18. Yusuf Tijjani, **Faizah Mohd Yasin**, Mohd Halim S. Ismail, and Azmah Hanim Mohamed Ariff, Manufacturing and Mechanical characterization of multiwalled carbon nanotubes/quartz nanocomposite. Journal of Ceramic Society of Japan 2018, 126(12) 984-991
  19. Suhaili Shamsi, Nurhuda Elias, Seri Narti Edayu Sarchio, **Faizah Md Yasin**. Gallic Acid Loaded Graphene Oxide Based Nanoformulation (GAGO) as Potential Anti-bacterial Agent against Staphylococcus aureus. Materials Today: Proceeding 5, 2018 S160-S165
  20. May Ali, Suraya Abdul Rashid, Mohd Nizar Hamidon, Faizah Md Yasin. Facile Synthesis and Characterization of Multi-Layer Graphene Growth on Co-Ni Oxide/Al<sub>2</sub>O<sub>3</sub> Substrate Using Chemical Vapour Deposition. Bulletin of Chemical Reaction Engineering & Catalysis, 2018, 13(2), 341-354
  21. Nurjahirah Janudin, Norli Abdullah, Wan Md Zin Wan Yunus, **Faizah Md Yasin**, Mohd Hanif Yaacob, Norshafiqah Mohamad Saidi and Noor Azilah Mohd Kasim. Effect of Functionalized Carbon Nanotubes in the Detection of Benzene at Room Temperature, 2018, Journal of Nanotechnology, Vol 2018.
  22. Intesar R. Hussain, A.B. Dayang Radiah, Faten H. Kamil, **F. Mohd Yasin**, S. Kamarudin, H.M. Yusoff. Physical Properties of Reduced Graphite Oxide Prepared via Chemical Reduction by Using Ammonia solution as a Reducing Agent. IOP Conf. Series: Materials Science and Engineering, 2018, 454 012136
  23. M.N. Shahera, A.B. Dayang Radiah, S.S. Tean, A. Sharmeen, K. Suryani and M.Y. Faizah. Biocellulose (BC) Impregnated with Carbon Nanotubes (CNTs) for Zinc Air Fuel Cell application. Jurnal Fizik Malaysia, 2017, Vol 38, Issue No 1, pp 010044-010054
  24. Nurjahirah Janudin, L.C. Abdullah, Norli Abdullah, **Faizah M.Yasin**, Norshafiqah Mohamad Saidi and Noor Azilah Mohd Kasim. Characterization of Amide and Ester Functionalized Multiwalled Carbon Nanotubes. Asian Journal of Chemistry, 2017, Vol 30, No 7, 1613-1616
  25. Saba Rashidi, Rashmi W., Luqman Chuah Abdullah, Khalid M., Fakhru'l-Razi Ahmadun & **M.Y. Faizah**. Thermal Stability and Conductivity of Carbon Nanotube Nanofluid using Xanthan Gum as Surfactant. Sains Malaysiana 46(7)(2017): 1017-1024
  26. Mostafa Yusefi, Mohammad Khalid, **Faizah Md Yasin**, Mohammad Reza Ketabchi, Abdollah Hajalilou and Luqman Chuah Abdullah. Physico-mechanical properties of poly(lactic acid) biocomposites reinforced with cow dung. Materials Research Express, 2017, 4, 025302.
  27. Mostafa Yusefi, Mohammad Khalid, **Faizah Md Yasin**, Luqman Chuah Abdullah, Mohammad Reza Ketabchi and Rashmi Walvekar. Performance of Cow Dung Reinforced Biodegradable Poly(Lactic Acid) Biocomposites for Structural Applications. Journal of Polymer Environment, 2018, 26:474-486.
  28. Nurjahirah Janudin, L.C. Abdullah, Norli Abdullah, **Faizah M.Yasin**, Norshafiqah Mohamad Saidi and Noor Azilah Mohd Kasim. Comparison and Characterization of Acid Functionalization of Multi Walled Carbon Nanotubes Using Various Methods. Solid State Phenomena, 2017, Vol 264, pp83-86
  29. May Ali, Suraya Abdul-Rashid, Mohd Nizar Hamidon and **Faizah Md Yasin**. The Growth Kinetics of Multilayer Graphene Grown on Al<sub>2</sub>O<sub>3</sub> Substrate by Chemical Vapour Deposition. Procedia Engineering. 12th July 2016, Vol. 148 pg.1295 – 1302.
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30. May Ali, Suraya Abdul-Rashid, Mohd Nizar Hamidon, and **Faizah Md Yasin**. Simple Synthesis of Large-area Multilayer Graphene Films on a Dielectric Substrate via Chemical Vapour Deposition Route. In Advance in Electrical, Electronic and Systems Engineering (ICAEEES), Nov 2016, Vol.1. pg.293 – 296. IEEE
  31. Vipul Agarwal, Dominic Ho, Diwei Ho, Yuriy Galabura, **Faizah Md Yasin**, Peijun Gong, Weike Ye, Ruhani Singh, Alaa Munshi, Martin Saunders, Robert C. Woodward, Timothy St. Pierre, Fiona M. Wood, Mark Fear, Dirk Lorensen, David D. Sampson, Bogdan Zdyrko, Igor Luzinov, Nicole M. Smith, and K. Swaminathan Iyer, Functional Reactive Polymer Electrospun Matrix. ACS Applied Materials & Interfaces 2016, 8, 4934–4939
  32. Omar Abed Habeeb, **Faizah Md Yasin**, Umar Abdulkaki Danhassan. Characterization and Application of Chicken Eggshell as Green Adsorbents for Removal of H<sub>2</sub>S from Wastewater Journal of Environmental Science, Toxicology and Food Technology, 2319-2399, Vol 8, Issue 11 Ver III (Nov, 2014)
  33. 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.
  34. 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.
  35. 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.
  36. 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.
  37. 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.
  38. 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
  39. **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.
  40. 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.
  41. 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.
  42. 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
  43. **Faizah Md Yasin**. (2009). Room Temperature Multi Gas Detection Using Carbon Nanotubes. European Journal of Scientific Research, Vol 35, pp 142-149.
  44. **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
  45. **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
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46. **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
  47. 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
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### Proceedings

1. Siti Nur Sharmila Abdullah, Zahir Haizat Muhamad Zamani, Kalai Arasu Subramaniam, Seri Narti Edayu Sarchio, **Faizah Md Yasin**, Suhaili Shamsi. 2022. Preparation and characterization of curcumin-loaded Pluronic nanoformulation (NanoCUR) for wound healing application and its toxicity profile. *Malaysian Journal of Medicine and Health Sciences*, Vol. 18, Supp 1: 47.
  2. Nurhuda Elias, Suhaili Shamsi, Seri Narti Edayu Sarchio, **Faizah Md Yasin**, Shafinaz Abd Gani and Mohd Nasir Mohd Desa. 2021. Anti-bacterial potential of gallic-acid loaded (GAGO) nanocomposites on *Staphylococcus aureus* strains in International Congress of the Malaysian Society for Microbiology (ICMSM2021) 29-30 September 2021 (Oral presentation).
  3. Nurhuda Elias, Suhaili Shamsi, Seri Narti Edayu Sarchio, **Faizah Md Yasin**, Shafinaz Abd Gani, Md Nasir Mohd Desa. 2021. Assessment of the anti-bacterial activity of a simple nanoformulation, Gallic Acid Loaded Graphene Oxide (GAGO) against Methicillin Resistant *Staphylococcus aureus* (MRSA) strains. *Malaysian Journal of Medicine and Health Sciences*, Vol. 18, Supp 1: 31.
  4. Shamsi, S; Alagan, A.A.; Sarchio, S.N.E., **Md Yasin, F.** 2020 Synthesis, characterization and toxicity assessment of Pluronic-functionalized graphene oxide on Zebrafish embryos in Global Virtual Summit on Materials Science and Engineering (Oral presentation).
  5. Ahmad Ashraful Hadi Abdul Ghafor, Nurhuda Elias, Suhaili Shamsi, **Faizah Md Yasin** and Seri Narti Edayu Sarchio. 2019. Toxicity assessment of gallic acid loaded graphene oxide (GAGO) nanoformulation in zebrafish (*Danio rerio*) embryos. Oral presentation at the 7th International Symposium on Applied Engineering and Sciences (SAES2019). Faculty Engineering Universiti Putra Malaysia, Selangor, Malaysia. November 11-12. Oral presentation BM-18. Program page: 17.
  6. Shamsi, S; Alagan, A.A.; Sarchio, S.N.E., **Md Yasin, F.** 2019. Toxicity assessment of graphene oxide on Zebrafish (*Danio rerio*) embryos in 7th International Symposium on Applied Engineering and Sciences (SAES 2019), Serdang, Selangor, Malaysia (Oral presentation).
  7. Mohamad Ridzuan Amri, Chuah Teong Guan, Syeed SaifulAzry Osman Al Edrus **and Faizah binti Mohd Yasin** (2019). Physico-mechanical properties of semi-rigid nanocomposite film from jatropha oil-based polyurethane-nanocellulose fibers reinforced. 2nd Wood and Biofibre International Conference (WOBIC 2019).3-5 December 2019, Kota Kinabalu, Sabah, Malaysia. Paper ID 07.
  8. Nurjahirah Janudin, Norli Abdullah, Wan Md Zin Wan Yunus, **Faizah Md Yasin**, Mohd Hanif Yaacob, Norherdawati Kasim, Noor Aisyah Ahmad Shah, Siti Hasnawati Jamal, Norshafiqah Mohamad Saidi, and Noor Azilah Mohd Kasim, Carbon nanofibers functionalized with amide group for ammonia gas detection. AIP conference proceedings 2068, 020061 (2019)
  9. Seri Narti Edayu Sarchio, Ahmad Ashraful Hadi Abdul Ghafor, Nurhuda Elias, **Faizah Md Yasin**, and Suhaili Shamsi. Dec 2018. Toxicity Assessment of Gallic Acid Loaded Graphene Oxide Against Zebrafish Embryos. Oral presentation in the 4th Pan-Asian Biomedical Science Conference (4th PABSC). Furama Resort Da Nang, Vietnam.
  10. Elias, N.; Sarchio, S.N.E., **Md Yasin, F.**, Abd Gani, S.; Shamsi, S. 2018. Antibacterial effects of gallic acid loaded graphene oxide (GAGO) against methicillin-resistant *Staphylococcus aureus* (MRSA) in International Conference on Drug Discovery and Translational Medicine 2018 (ICDDTM '18), Putrajaya, Malaysia (Poster presentation).
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11. Y Tijjani, **F M Yasin**, M H S Ismail, M A Azmah Hanim. (2018) Effect of Carbon nanotubes addition on the foundry physical properties of Silica refractory nanocomposite: PART A. 1st International Postgraduate Conference on Mechanical Engineering. Universiti Malaysia Pahang, Malaysia.
  12. Y Tijjani, **F M Yasin**, M H S Ismail, M A Azmah Hanim. (2018) Characterization of Carbon nanotube reinforced Silica refractory nanocomposite using Artificial Intelligence Modeling: PART B. 1st International Postgraduate Conference on Mechanical Engineering. Universiti Malaysia Pahang, Malaysia.
  13. Nur Atikah Ali, **Faizah Md Yasin**. (2018) Silver Gold Nanoparticles decorated reduced graphene oxide. 9th International Conference on Nanoscience and Nanotechnology 2018. UiTM Shah Alam, Malaysia.
  14. Perumal, D.; Shamsi, S., **Md Yasin, F**, Sarchio, S.N.E. 2018. Characterization of Nano-graphene oxide stabilized by Pluronic as a nanocarrier in International Conference on Drug Discovery and Translational Medicine 2018 (ICDDTM '18), Putrajaya, Malaysia (Poster presentation)
  15. Muhammad Safri Haqimi, **Faizah Md Yasin**. (2018) Electrolysis and Characterization of Graphen from Waste Battery using Na<sub>2</sub>SO<sub>4</sub> as Electrolyte. 9th International Conference on Nanoscience and Nanotechnology 2018. UiTM Shah Alam, Malaysia.
  16. Seri Narti Edayu Sarchio, Nur Izzatie Zulkiflee, Suhaili Shamsi, **Faizah Md Yasin**. 2016. Graphene oxide: A safe nano platform for bio-applications? Poster presentation at the 3rd Pan-Asian Biomedical Science Conference. Premiera Hotel Kuala Lumpur, Malaysia. December 7 - 8. Poster number DT-P029. Program page 161.
  17. May Ali, Suraya Abdul-Rashid, Mohd Nizar Hamidon and **Faizah Md Yasin**. High Yield Production of Multilayer Graphene Films on Alumina surface by using chemical vapour deposition. Fundamental Science Congress (FSC2016) 9-10th August 2016. Faculty of Science, UPM Malaysia.
  18. May Ali, Suraya Abdul-Rashid, Mohd Nizar Hamidon and **Faizah Md Yasin** (2015). Multi-Layer Graphene Growth on Aluminium Oxide (Al<sub>2</sub>O<sub>3</sub>) Substrate Based Chemical Vapour Deposition (CVD)(POSTER), WAMN2015, 4-5 November2015, UPM, Malaysia.
  19. **F. M. Yasin**, K.Swaminathan Iyer and Colin L. Raston. Carbon Nano-device for Hydrogen Sensing. International Symposium on Functional Materials 2012, 17-20 December 2012 Perth, Western Australia.
  20. **F.M. Yasin**, K.S. Iyer, H.T. Chua and C.L. Raston. Carbon Nano-Onions Palladium hybrid hydrogen sensing. ICONN 2012 International Conference on Nanoscience and Nanotechnology 5-9 February 2012, Perth, Western Australia.
  21. **F.M Yasin**, J. Zou, K.S. Iyer, and C. L. Raston. Scalable Synthesis of Palladium/Single Wall Carbon Nanotube Based Hydrogen Sensors. AMN-5 Fifth International Conference on Advanced Materials and Nanotechnology 7 – 11 February 2011, Wellington New Zealand.
  22. 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.
  23. 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.
  24. 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.
  25. **Faizah M.Y.**, Fakhru'l-Razi A., Sidek R.M., Liew Abdullah A.G. (2007). Gas Sensor Application of Carbon Nanotubes. 2nd International Engineering Convention 2007, pp 42-49
  26. **Faizah M.Y.**, Fakhru'l-Razi A., Sidek R.M., Mat M.R.N. (2007). Production of Carbon Nanotubes For Gas Sensor Application. 21st Symposium of Malaysian Chemical Engineers : MN024
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27. **Yasin, F.M.**, Iyuke, S.E., Ahmadun, FR., Muataz, A.A., Masrom, A.K.. Synthesis of carbon nanotubes over Fe as substrate catalyst. Proc. 12th Scientific Conference and 13th Annual General Meeting Electron Microscopy Society of Malaysia : 669-672 (2003)
28. 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. 12th Scientific Conference and 13th Annual General Meeting Electron Microscopy Society of Malaysia : 673-678 (2003)
29. 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. 17th Symposium of Malaysian Chemical Engineers (SOMChE 2003)

### Past Research Projects

Project No	Project Title	Role	Year	Source of Fund	Status
07-10-07-397FR (RM105,000)	Investigation on Effects of Gas Absorption Towards Carbon Nanotubes Electrical Resistance	Project Leader	2007-2009	FRGS	Completed
FRGS/2/2014/ TK05/UPM/02/ 2(RM94,000)	Kinetic behaviours and selective formation of carbon nanotubes bundles and graphene oxides in a co-synthesis method at ambient condition	Member	2014-2016	FRGS	Completed
03-01-15- 1638FR (RM102,000)	The Fundamental Study of Growth Mechanism of Selective Metal Nanoparticles Decoration on Carbon Nanomaterials	Project Leader	2015-2017	FRGS	Completed
FRGS/1/2016/S TG01/UPNM/0 2/1 (RM91,000)	Surface modification of carbon nanofibre for the development of volatile organic compound (VOCs) sensor	Member	2016-2018	FRGS	Completed
GP-IPM (RM55,000)	Development, characterization and biological properties of functionalized curcumin-loaded graphene oxide nanoparticles for wound healing	Member	2016-2018	GP-IPM	Completed
GP-IPS/2017/ 9527500 (RM15,000)	Bimetallic AgAu Nanoparticles decoration on Reduced Graphene Oxide for	Project Leader	2017-2019	GP-IPS	Completed

	non-enzymatic Glucose Sensing application				
FRGS/1/2017/S KK08/UPM/02/ 11 (RM99,800)	Mechanistic insights of curcumin loaded graphene oxide nano-formulation in accelerating diabetic-wound closure	Member	2017-2019	FRGS	Completed
GP-IPS/2018/ 9627000 (RM20,000)	Photocatalytic-adsorptive removal of ethinylestradiol (EE2) by ZnO/Bentonite Nanocomposite	Project Leader	2018-2020	GP-IPS	Completed
FRGS/1/2018/S KK11/UPM/02/ 1 (RM189800)	Curcumin loaded graphene oxide (CUR-GO) nanoformulation to overcome multidrug resistance in methicillin-resistance Staphylococcus aureus (MRSA) for enhanced anti-bacterial efficacy in vitro and in vivo.	Member	2018-2020	FRGS	Completed

### Supervision

#### PhD (Main Supervisor)

No.	Name	Title	Status
1.	Yusuf Tijjani	Mechanical and Thermal Properties of CNT-Reinforced Quartzite Nano-composite for Furnace Lining	Graduated

#### MS with Thesis (Main Supervisor)

No.	Name	Title	Status
1.	Mostafa Yusefi	Preparation and Characterization of PLA/Cow Dung Based Biocomposite	Graduated
2.	Nur Atikah Ali	Bimetallic AgAu Nanoparticles Decorated Reduced Graphene Oxide for Non-enzymatic Glucose Detection	Graduated
3.	Muhammad Najibudin Abu Bakar	Photocatalyzation of ethinylestradiol using Zinc Oxide and Bentonite nanocomposites	Graduated

#### MS without Thesis (Main Supervisor)

No.	Name	Title	Status
1.	Nor Azawati Abu Talib	Safety Awareness and HIRARC Application at Electrical Workshop Community College	Graduated
2.	Faiz Azmi Sutarji	Reliability of Main Engine in Royal Malaysian Navy Ship	Graduated

3.	Muhsan Asrafil	Evaluation of Low Back Pain due to Sitting on Office Chair among UPM staff	Graduated
4.	Omar Abeed Habeeb	Adsorption of Hydrogen Sulphide in Wastewater from Refinery by using Wastes of Eggshell	Graduated
5.	Mohd Ghaus Mohd Hashim	Process Safety Management for HAZMAT Team in Peninsular Malaysia	Graduated
6.	Nur Farah Hanim Rahmat	Simulation of Tea Dust Explosion in 20L Spherical Explosion Chamber using ANSYS Fluent	Graduated
7.	Dayang Noor Azie Abang Zainal Abidin	Ergonomic Risk Assessment and study of the major SOPs that contribute to the accident in Company X	Graduated
8.	Ahmad Fiqrie Ibrahim Mat Dan	Study of Risk and Hazard Management Practice of Handling Oxygen Gas in the Workplace at Samalaju Industrial Park Bintulu Sarawak	Graduated
9.	Muhammad Faizal Shaharuddin	Formation of Effective Information to Public (ITP) Model	Graduated

### Honours and Awards

Name of Awards	Title	Award Authority	Award Type	Year
	Putra InnoCreative Competition	Putra InnoCreative Carnival in Teaching and Learning 2019 UPM	Silver medal	2019
Academic Awards	Completion Scholarship	The University of Western Australia	Monetary	2013
Academic Awards	Academic Training Scheme (SLAB)	Ministry of Higher Edu. Malaysia & UPM	Scholarship for PhD	2010
	Invention & Research Exhibition	MOSTE	Silver Medal	2002
		MOSTE	Silver Medal	2003
	Expo Science & Technology	UPM	Gold medal	2003
	Pameran Reka Cipta & Penyelidikan	JPM-MAMPU Public Services	Innovation Award	2003
	Presentation (Material)	Seminar Update on Microscopy and Microanalysis	First Prize Poster	2003

### Language Proficiency

- English (Very good, 4/5)
- Malay (Very good, 4/5)

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