

## CURRICULUM VITAE



Dr. Muhammad Hazwan Hamzah  
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### Education

1. PhD. Chemical Engineering, 2018, University of Birmingham, UK
2. MSc. Agricultural Waste Engineering, 2013, Universiti Putra Malaysia
3. B.Eng. Agricultural and Biosystems, 2010, Universiti Putra Malaysia

### Areas of Interest

1. Agricultural Process Engineering
2. Bio-environmental Engineering

### Professional Qualification/ Membership/ Affiliation

1. Member, American Society of Agricultural and Biological Engineers ASABE (1045330)
2. Member, Malaysian Society of Agricultural Engineers MSAE (M1106)
3. Graduate Member, Board of Engineers Malaysia BEM (GE69055A)
4. Graduate Member, The Institution of Engineers Malaysia IEM (G29445)

### Appointments

Position	Duration
1. Senior Lecturer, Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM	March 2018 to date
2. Tutor, Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM	September 2008 to February 2018

### Publications

#### Journals (30 recent journals)

1. **Muhammad Hazwan, H.**, Hasfalina, C.M., Hishamuddin, J. and Zurina, Z.A. (2012). Optimization and Kinetics of Essential Oil Extraction from Citronella Grass by Ohmic Heated Hydro Distillation. *International Journal of Chemical Engineering and Applications*. 3(3): 173-177.
2. **Muhammad Hazwan Hamzah**, Hasfalina Che Man, Zurina Zainal Abidin and Hishamuddin Jamaludin (2014). Comparison of Citronella Oil Extraction Methods from *Cymbopogon nardus* Grass by Ohmic-Heated Hydro Distillation, Hydro Distillation and Steam Distillation. *BioResources*. 9(1): 256-272.

#### Conference Proceedings (30 recent Conference Proceedings)

1. **Hamzah, M.H.**; Sudin, S.S.; Tengku Ab Mutalib, T.N.A.; Malek, N.F.H.A.; Yusof, N.; Jamaludin, H.; Jamaludin, N.F.; Che Man, H.; Abidin, Z.Z. (2011). Preliminary Study of Ohmic Heated Hydro Distillation for Essential Oil's Plant Extraction. *IEEE Student Conference on Research and Development (SCOReD)*. 211-214, 19-20 December 2011, Cyberjaya, Malaysia.
2. H.C. Man, **M.H. Hamzah**, H. Jamaludin, Z.Z. Abidin (2012). Preliminary Study: Kinetics of Oil Extraction from Citronella Grass by Ohmic Heated Hydro Distillation. *2nd International Conference on Chemistry and Chemical Process. APCBEE Procedia*. (3): 124-128. 5-6 May 2012, Kuala Lumpur, Malaysia.
3. **Hamzah M.H.**, Azlina M.F., Hasfalina C.M., Zurina Z.A., Hishamuddin J. (2013). Optimization and Kinetic Study of Gaharu Oil Extraction. *World Academy of Science, Engineering and Technology, International Science Index* 78, 7(6), 1919 – 1922, 20-21 June 2013. Istanbul, Turkey.



4. **M.H. Hamzah**, S. Bowra, M.J.H. Simmons, P.W. Cox (2016). The Impact of Process Parameters on the Purity and Chemical Properties of Lignin Extracted from *Miscanthus x giganteus* using a Modified Organosolv Method. *24<sup>th</sup> European Biomass Conference and Exhibition*.1754-1759, 6-9 June 2016, Amsterdam, The Netherlands.
5. **M.H. Hamzah**, S. Bowra, P.W. Cox., M.J.H. Simmons (2016). The Effect of Ethanol Concentration upon Formation of Organosolv Lignin Aggregates from *Miscanthus x giganteus*. *4<sup>th</sup> CIGR Agricultural Engineering Conference*. 1-8, 26-29 June 2016, Aarhus, Denmark.
6. **M.H. Hamzah**, M.J.H. Simmons, S. Bowra, P.W. Cox. (2018). A Morphological Study of Organosolv Lignin Aggregates from *Miscanthus x giganteus* at Different Ethanol Concentration. *2018 Malaysian Society of Agricultural Engineers Conference*. 1-7, 7-8 February 2018, Selangor, Malaysia.

**Books (If any)**

**Chapter in Books (If any)**

**Research Grants**

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Gaharu Oil Extraction by Ohmic Heater Hydrodistillation (Co-researcher)	15,000	2012-2013	RUGS

**Awards/Recognition (Current)**

NIL

**Professional Services/Consultation**

NIL

**Student Supervision**

NIL

