

CURRICULUM VITAE



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Academic Qualification

- Bachelor of Engineering (Chemical), Universiti Putra Malaysia, 2006
- Master of Science (Biochemical Engineering), Universiti Putra Malaysia, 2012
- Doctor of Philosophy, Universiti Teknologi Malaysia, 2019

Areas of Interest

- Biomass pretreatment and hydrolysis
- Computational modelling
- Wastewater treatment
- Material characterization

Research

- Production of bioethanol from pretreated water hyacinth
- Computational modelling of palm oil processing

Professional Affiliation

- Lembaga Jurutera Malaysia

Awards & Recognitions

- Skim Latihan Akademik Bumiputra (SLAB) 2009-2010
- Skim Latihan Akademik IPTA (SLAI) 2012-2016

Publication

- Ethaib, S., Omar, R., Mustapa Kamal, S. M., Awang Biak, D. R., Syam, S. and **Harun, M. Y.** (2017). Microwave-Assisted Pretreatment of Sago Palm Bark. *Journal of Wood Chemistry and Technology*. 37 (1), 26-42.

- **Harun, M. Y.**, Yunus, M. A. C., Ismail, M. S. and Morad, N. A. (2016). A Comparative Investigation on the Effect of Thermal Treatments on the Mechanical Properties of Oil Palm Fruitlet Components. *Journal of the Taiwan Institute of Chemical Engineers*. 60 582-587.
- Ethaib, S., Omar, R., Mazlina, M., Radiah, A., Syafie, S. and **Harun, M. Y.** (2016). Effect of Microwave-Assisted Acid or Alkali Pretreatment on Sugar Release from Dragon Fruit Foliage. *International Food Research Journal*. 23 S149-S154.
- Azizi, C. Y. M., Azian, M. N., **Harun, M. Y.**, Ismail, M. H. S., (2015). Simulation of Palm Oil Expression in Screw Press Using Computational Fluid Dynamics: Laying the Foundation. 2015 10th Asian Control Conference: Emerging Control Techniques for a Sustainable World, Kota Kinabalu, Malaysia.
- **Harun, M. Y.**, Che Yunus, M. A., Morad, N. A. and Ismail, M. H. S. (2015). An Industry Survey of the Screw Press System in Palm Oil Mills: Operational Data and Malfunction Issues. *Engineering Failure Analysis*. 54 146-149.
- Abidin, Z. Z., Mohd Salleh, M. A., **Harun, M. Y.** and Abu Bakar, N. (2014). Biosorption of Zn (II) from Aqueous Solution by *Jatropha Curcas* Press Cake. *Journal of Scientific and Industrial Research*. 73 (3), 191-194.
- Abidin, Z. Z., Awang Biak, D. R., Mohamed, H. and **Harun, M. Y.** (2013). Solid-Liquid Extraction in Biorefinery. In *Separation and Purification Technologies in Biorefineries*. (351-374).
- Mustapha, S., Chandar, H., Abidin, Z. Z., Saghravani, R. and **Harun, M. Y.** (2011). Production of Semi-Refined Carrageenan from *Eucheuma Cotonii*. *Journal of Scientific & Industrial Research*. 70 865-870.
- **Harun, M. Y.**, Dayang Radiah, A. B., Zainal Abidin, Z. and Yunus, R. (2011). Effect of Physical Pretreatment on Dilute Acid Hydrolysis of Water Hyacinth (*Eichhornia Crassipes*). *Bioresource Technology*. 102 (8), 5193-5199.