



CURRICULUM VITAE



MOHD YUSOF BIN HARUN

Department of Chemical and Environmental Engineering,
Faculty of Engineering,
Universiti Putra Malaysia,
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Education

1. Bachelor of Engineering (Chemical), Universiti Putra Malaysia, 2006
2. Master of Science (Biochemical Engineering), Universiti Putra Malaysia, 2012
3. Doctor of Philosophy, Universiti Teknologi Malaysia, 2019

Areas of Interest

Biomass pretreatment, Computational modelling, Wastewater treatment, Material characterization
Green technology

Professional Qualification / Membership / Affiliation

1. Graduate Member, Board of Engineers Malaysia (BEM)
2. Associate Member, Institute of Chemical Engineers (ICChemE)
3. Associate Member, Malaysian Society for Occupational Safety and Health (MSOSH)

Appointments

Position	Duration
1. Head of Programme, Master in Environmental Technology Management, Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM	May 2024 - present
2. Deputy Technical Manager, Accreditation Committee MS ISO/IEC 17025:2017, Faculty of Engineering, UPM	May 2024 - present
3. Approved Signatory, Accreditation Committee MS ISO/IEC 17025:2017, Faculty of Engineering, UPM	May 2024 - present
4. Competent Personnel, Accreditation Committee MS ISO/IEC 17025:2017, Faculty of Engineering, UPM	May 2024 - present
5. Academic Coordinator I, Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM	Jan 2023 – Dec 2023
6. Member, Board of Trustees, Malaysian Palm Oil Certification Council (MPOCC)	Jun 2022 – May 2023
7. Evaluator, Putra Massive Online Open Course (PutraMOOC) Committee, UPM	Jun 2021 – Jun 2022



8. Deputy Technical Manager, Accreditation Committee MS ISO/IEC 17025:2017, Faculty of Engineering, UPM Jan 2021 – Jan 2024
9. Competent Personnel, Accreditation Committee MS ISO/IEC 17025:2017, Faculty of Engineering, UPM Jan 2021 – Jan 2024
10. Academic Coordinator II, Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM Jan 2020 – Dec 2022
11. Senior Lecturer, Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM May 2019 – present
12. Competent Personnel, Accreditation Committee MS ISO/IEC 17025:2017, Faculty of Engineering, UPM Jan 2018 – Jan 2021
13. Competent Personnel, Accreditation Committee MS ISO/IEC 17025:2017, Faculty of Engineering, UPM Aug 2017 – Dec 2017
14. Tutor, Department of Chemical and Environmental Engineering, Faculty of Engineering, UPM May 2008 – May 2019
15. Process Engineer, C-PAK Cergas (M) Sdn. Bhd., Seremban, Negeri Sembilan, Malaysia Dec 2006 – April 2008

Publications

Journals

1. Zulmajdi, I. U., Mohd Tohir, M. Z., Yaw, T. C. S., Harun, M. Y., Md Said, M. S. (2024). Statistical Distribution of Heat Release Rate Data for Single Household Items. *Fire Technology*. 60 (1), 101-134.
2. Kong, Y. L., Harun, M. Y., Leong, M. Y., Looi, C. Y., Wong, W. F. (2023). Interpretation of morphological descriptors on nanocellulose from oil palm frond fibers under weak acid, strong acid, and enzymatic treatments. *Materials Today Communications*. 37
3. Zulmajdi, I. U., Mohd Tohir, M. Z., Shean Yaw, T. C., **Harun, M. Y.**, Md Said, M. S. (2023). Distribution of probabilistic design fires for single residential items. *Fire Safety Journal*. 140
4. Leong, M. Y., Kong, Y. L., **Harun, M. Y.**, Looi, C. Y., Wong, W. F. (2023). Current advances of nanocellulose application in biomedical field. *Carbohydrate Research*. 532 Hajiyat H.R.M., Hussain S.A., Harun M.Y., 2023, Inlet Size and Location Impact on Greenhouse Dryer Process Dynamics, *Chemical Engineering Transactions*, 106, 1123-1128.
5. Hajiyat, H. R. M., Hussain, S. A., **Harun, M. Y.** (2023). Inlet Size and Location Impact on Greenhouse Dryer Process Dynamics. *Chemical Engineering Transactions*. 106 1123-1128.
6. Antar, A.A., Alsofiyani, A.A., **Harun, M.Y.B.** (2023). Optimisation the Removal of Fe (II) Ions from Wastewater using Clay-Alginate Composite Beads. *Journal of Applied Science and Engineering (Taiwan)*. 26(4), 475–484.
7. Harun, N.H.; Zainal Abidin, Z., Majid, U.A., Abdul Hamid, M.R., Abdullah, A.H., Othaman, R., **Harun, M.Y.** (2022). Adopting Sustainable Jatropha Oil Bio-Based Polymer Membranes as Alternatives for Environmental Remediation. *Polymers*, 14, 3325.
8. 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.



9. **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.
10. 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.
11. **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.
12. 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.
13. 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.
14. **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.

Conference/Symposium Proceedings

1. Palaniandy, Y., Said, M. S. M., Ismail, M. H. S., **Harun, M. Y.** & Adam, N. M. (2021). Design the Steam Ejector and Identify the Changes in Morphological Characteristics of Excess Steam from Sterilizer Based on CFD Simulation 14th AUN/SEED-Net Regional Conference on Chemical Engineering 2021 (RCChE2021) in conjunction with 1st International Conference on Innovation in Chemical Engineering and Technology (ICICET2021) Serdang, Selangor, Malaysia, 52-54.
2. Abidin, Z. Z., Abdullah, A. H., Hamid, M. R. A., **Harun, M. Y.** & Harun, N. H. (2021). A comparative study between various vegetable oil based polyurethane membran. 14th AUN/SEED-Net Regional Conference on Chemical Engineering 2021 (RCChE2021) in conjunction with 1st International Conference on Innovation in Chemical Engineering and Technology (ICICET2021) Serdang, Selangor, Malaysia, 165-166.
3. Abidin Z.Z., Yassin F.M., Harun M.R., **Harun M.Y.**, Zainud din H.S., Abdul Hamid M.R., Mohd Salleh M.A. (2017) Video as E- Learning Approach for Enhancing Laboratory Teaching in Biochemical Engineering- a Malaysia Case Study. Proceedings - 2017 7th World Engineering Education Forum, WEEF 2017- In Conjunction with: 7th Regional Conference on Engineering Education and Research in Higher Education 2017, RCEE and RHEd 2017, 1st International STEAM Education Conference, STEAMEC 2017 and 4th Innovative Practices in Higher Education Expo 2017, I-PHEX 2017, pp. 222 - 226,
4. 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.

Book/Book Chapter

1. Buku Kurikulum, Bacelor Kejuruteraan Kimia dengan Kepujian (2021-2025)
2. Buku Kurikulum, Bacelor Kejuruteraan Kimia dengan Kepujian (2016-2020)
3. 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).



Intellectual Property

1. FM2017004507 - Video as Alternative e-Learning Tool to Enhance Teaching for Sterilization Process in Biochemical Engineering Laboratory
2. FM2017004508 - The Use of Video to Enhance Teaching for Bioreactor/Bioreaction Laboratory in Biochemical Engineering

Research Grants

No.	Project Title	Year	Source of Fund	Role
1.	Selective isolation method, characterization, and functionalization of nanocrystalline cellulose from oil palm frond fiber (OPFF) with antimicrobial activities (FRGS/1/2021/SKK06/TAYLOR/02/2)	2021 – 2024	Fundamental Research Grant Scheme, Ministry of Higher Education Malaysia	Member
2.	Thermal characterization and fire hazard assessment of polyurethane (PU) fire-retardant coating using bamboo aerogel mixtures as additives (9300467)	2020 - 2022	Geran Penyelidikan UPM (MGRANT)	Member

Honours and Awards

1. Excellent in Teaching Award, Faculty of Engineering, Universiti Putra Malaysia, 2022
2. Excellent Service Award, Universiti Putra Malaysia, 2016
3. Excellent Service Award, Universiti Putra Malaysia, 2012