



CURRICULUM VITAE

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Publication Summary

Number of publications captured by Scopus to date: 96

Total Scopus citation : 6071

Scopus H-Index : 33

Total journal publications: 130

Total citations: 9172

Academic Qualifications

- Ph.D. Chemical Engineering, 2003, University of Birmingham, UK
- B.E.Sc. Chemical Engineering, 1997, University of Western Ontario, Canada

Post Held in UPM

Post / Institution	Year
Deputy Director, Foundation Center for Agriculture, UPM	Apr 2022 – Feb 2024
Head, Department of Chemical and Environmental Engineering, UPM	Jan 2015 – Dec 2019
Head, Material Processing and Technology Laboratory, Institute of Advanced Technology, UPM	Mar 2012 – Dec 2014
Head, Green Technology Laboratory, ITMA	Apr 2010 – Feb 2012

List of Publications (Last 5 Years Only)

Journals

1. Elbidi, M., Salleh, M.A.M., Resul, M.F.M.G., Rashid, S.A, Synthesis and characterization of mesoporous expanded graphite modified with PA/H3PO4 for enhanced oil sorption efficiency., Journal of Porous Materials, 2024, 31(2), pp. 497–509
2. Elbidi, M., Resul, M.F.M.G., Rashid, S.A., Salleh, M.A.M., Preparation of eco-friendly mesoporous expanded graphite for oil sorption, Journal of Porous Materials, 2023, 30(4), pp. 1359–1368
3. Md Said, M.S., Azni, A.A., Wan Ab Karim Ghani, W.A., Ja'afar, M.F.Z., Mohd Salleh, M.A., Production of biochar from microwave pyrolysis of empty fruit bunch in an alumina susceptor, Energy, 2022, 240, 122710

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4. Sulaiman, S., Sahat, N.S., Omar, F.N., Baharuddin, A.S., Salleh, M.A.M., Chemical-Physical Treatment for Production of Cellulose Nanofiber from Kenaf Bast Fiber, *Journal of Natural Fibers*, 2022, 19(12), pp. 4403–4414
 5. Elbidi, M., Hewas, A., Asar, R., Salleh, M.A.M., Comparative Study between Activated Carbon and Biochar for Phenol Removal from Aqueous Solution, *BioResources*, 2021, 16(4), pp. 6781–6790
 6. Haridan, N.A., Yoshida, H., Salleh, M.A.M., Izhar, Carbonization of excess sewage sludge using superheated water vapor to produce fuel, S., *IOP Conference Series: Materials Science and Engineering*, 2020, 991(1), 012068
 7. Choo, T.F., Salleh, M.A.M., Kok, K.Y., Matori, K.A., Rashid, S.A., A study on the utilization of coal fly ash derived grog in clay ceramics, *Materials*, 2020, 13(22), pp. 1–12, 5218
 8. Choo, T.F., Salleh, M.A.M., Kok, K.Y., Matori, K.A., Rashid, S.A., Effect of temperature on morphology, phase transformations and thermal expansions of coal fly ash cenospheres, *Crystals*, 2020, 10(6), pp. 1–11, 481
 9. Choo, T.F., Salleh, M.A.M., Kok, K.Y., Matori, K.A., Rashid, S.A., Characterization of high-temperature hierarchical porous mullite washcoat synthesized using aluminum dross and coal fly ash, *Crystals*, 2020, 10(3), 178
 10. Choo, T.F., Mohd Salleh, M.A., Kok, K.Y., Matori, K.A., Modified cenospheres as non-sacrificial pore-forming agent for porous mullite ceramics *Ceramics International*, 2019, 45(17), pp. 21827–21834
 11. Wan Ab Karim Ghani, W.A., Salleh, M.A.M., Adam, S.N., Jaye, I.F.M., Martinez-Hernandez, E., Sustainable bio-economy that delivers the environment–food–energy–water nexus objectives: The current status in Malaysia, *Food and Bioproducts Processing*, 2019, 118, pp. 167–186
 12. Azni, A.A., Ghani, W.A.W.A.K., Idris, A., Salleh, M.A.M., Ishak, N.S., Microwave-assisted pyrolysis of EFB-derived biochar as potential renewable solid fuel for power generation: Biochar versus sub-bituminous coal, *Renewable Energy*, 2019, 142, pp. 123–129
 13. Foo, C.T., Salleh, M.A.M., Ying, K.K., Matori, K.A., Mineralogy and thermal expansion study of mullite-based ceramics synthesized from coal fly ash and aluminum dross industrial wastes, *Ceramics International*, 2019, 45(6), pp. 7488–7494
 14. Roodbar Shojaei, T., Mohd Salleh, M.A., Mobli, H., Aghbashlo, M., Tabatabaei, M., Multivariable optimization of carbon nanoparticles synthesized from waste facial tissues by artificial neural networks, new material for downstream quenching of quantum dots, *Journal of Materials Science: Materials in Electronics*, 2019, 30(3), pp. 3156–3165
 15. Rambli, J., Ghani, W.A.W.A.K., Salleh, M.A.M., Khezri, R., Evaluation of biochar from Sago (*Metroxylon* Spp.) as a potential solid fuel, *BioResources*, 2019, 14(1), pp. 1928–1940
 16. Choo, T.F., Salleh, M.A.M., Kok, K.Y., Matori, K.A., A review on synthesis of mullite ceramics from industrial wastes, *Recycling*, 2019, 4(3), 39
 17. Abdulbari, H.A., Salleh, M.A.M., Rashed, M.K., Ismail, M.H.S., Passive, active, and interactive drag-reduction technique to reduce friction and enhance the mixing intensity in rotating disk apparatus, *Chemical Engineering Communications*, 2018, 205(12), pp. 1623–1640
 18. Yu, K.L., Show, P.L., Ong, H.C., Chen, W.-H., Salleh, M.A.M., Biochar production from microalgae cultivation through pyrolysis as a sustainable carbon sequestration and biorefinery approach, *Clean Technologies and Environmental Policy*, 2018, 20(9), pp. 2047–2055
 19. Cretescu, I., Harja, M., Teodosiu, C., Sluser, B.M., Salleh, M.A.M., Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste, *Process Safety and Environmental Protection*, 2018, 119, pp. 23–35
 20. Abidin, Z.Z., Yassin, F.M., Harun, M.R., Abdul Hamid, M.R., Mohd Salleh, M.A., 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*
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RHEd 2017, 1st International STEAM Education Conference, STEAMEC 2017 and 4th Innovative Practices in Higher Education Expo 2017, I-PHEX 2017, 2018, pp. 222–226, 8467041

Supervision

	Chairman	Member	Total
Master graduated	7	9	16
Master on going	0	0	0
PhD graduated	5	9	14
PhD on going	2	2	4

Notable Achievements

- Top 2% World Scientist 2021, 2022, 2023
- Top 2% Lifetime World Scientist 2022
- President, Biochar Malaysia Association 2016-to date
- Putra Ihsan Q-Inovative Award, Universiti Putra Malaysia 2017
- Board of Trustee, Malaysia Palm Oil Certification Council (MPOCC) 2020-2022
- Chairman, Finance Comittee MPOCC 2022

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