

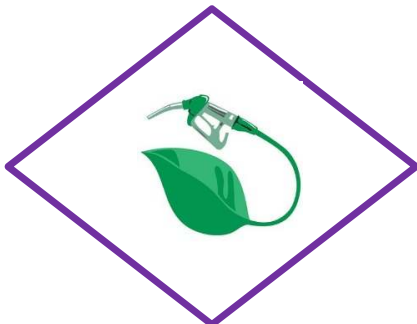


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Description of the projects:

Production, optimisation and physicochemical characterisation of biofuels from biomass and plastic waste are one of the projects. Manufacturing and management of biomass and its waste as well as briquetting of biomass and effective combustion of these products are another project focus. Finally, production and testing of composite materials by using biomass resources is another area of research of the Center. This centre also covers other renewable resources of energy such as wind, solar and hydropower.



Research Members:

- [I] Associate Professor Dr. Keng Hoo Chuah
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Research Collaborators:

- [I] Professor Dr. Ng Hoon Kiat
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Research Grant:

Research Grant (Seed): INT-FOSTEM-05-01-2014

Selected publications:

- [1] S.A. Jourabchi, H.K. Ng, S. Gan. Comparison of conventional and fast pyrolysis for the production of *Jatropha curcas* bio-oil. *Applied Thermal Engineering*, 2016.
- [2] S.A. Jourabchi, S. Gan and H.K. Ng., 2014. Pyrolysis of *Jatropha curcas* pressed cake for bio-oil production in a fixed-bed system. *Energy Conversion and Management*. 78, 518–526.

