


**Name of the Department: PHYSICS**

Name of the Faculty		<b>Dr. A. Saravanakumar</b>			
Designation		Assistant Professor			
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Qualification		UG	B.Sc	Physics	
		PG	M.Sc	Energy Science	
		PhD		Energy	
Specialization/ Major areas of Research		Renewable Bio Energy, Gasification, Pyrolysis and Bio Char			
Experience		Teaching: 1 Year		Industry: 11 years	Research: 6
Papers Published in Journals		International :10		National : 4	
Papers Presented in Conferences		International : 2		National : 7	
Citations : 163		h-index : 5		i-10 index : 5	
Awards / Achievements / Funded Projects / Consultancy					

- National Renewable Energy Fellowship (JRF:2000 to 2002 and SRF 2002 to 2006) Programme Sponsored by Ministry of New and Renewable Energy, GOVT of India through Centre for Energy Studies, IIT, Delhi for the Department of Bio-Energy, School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai-625 021, India.
- Patent Published - A. Saravanakumar, K. Vinoth Kumar, Multi condition thermochemical gas reactor, Indian Patent application No. 993/CHE/2012.
- International Collaboration Gasifier modeling work – Prof. Kenneth Mark Bryden and Dr. Mathew Hagge, Iowa State University, Iowa, USA. (2006)
- International Collaboration Development of Long stick gasification and charcoal device, Prof. Thomas B. Reed, NREL, Colorado, Biomass Energy Foundation, MA, USA. (2006). He was demonstrated “long stick gasifier”, the first in the world, and well suited to the kind of fuel used in many countries.
- International Journal Peer Reviewer - Applied Energy, Elsevier (2017), The Netherlands.
- International Journal Peer Reviewer - American Society of Agricultural and Biological Engineers (ASABE) (2016).
- International Journal Peer Reviewer - Journal of Electrical and Electronic Systems, OMICS International, USA. (2016) ~~International Journal Peer Reviewer Energy for Sustainable~~

Development, Elsevier (2015), The Netherlands.

- International Journal Peer Reviewer - Energy & Fuels (American Chemical Society Publications, USA) (2011).
- International Journal Peer Reviewer - Journal of Renewable and Sustainable Energy American Institute of Physics, USA (2012).
- International Journal Peer Reviewer - Journal of Zhejiang University-SCIENCE A Applied Physics and Engineering, China, (2010).
- International R&D Proposal Reviewer - Masri Institute of Energy & Natural Resources, American Institute of Beirut, Lebanon, (2011).
- India-Republic of Korea Joint Applied R&D Programme (funded by Department of Science & Technology-India and Ministry of Science, ICT & Future Planning (MSIP), Republic of Korea IKCP201402-001) proposal on " THE DEVELOPMENT OF INNOVATIVE GASIFICATION TECHNOLOGY WITH TAR FREE AND PURIFIED PRODUCER GAS FOR MSW-RDF" dated 1<sup>st</sup> May 2015. Approved Budget: Rs. 300 Lakhs (2 Year Project-Completed).
- Excellence and Innovation Award - Bio-Energy in India Dec 2017.
- Certificate of Outstanding Contribution in Reviewing Award Oct 2017, Applied Energy, Elsevier, The Netherlands.