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Demand for Biogas: State of the Art and Future Perspective

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Abstract

Biogas from biomass appears to have potential as an alternative energy source, which is potentially rich in biomass resources. This is an overview of some salient points and perspectives of biogas technology. The current literature is reviewed regarding the ecological, social, cultural and economic impacts of biogas technology. This article gives an overview of present and future use of biomass as an industrial feedstock for production of fuels, chemicals and other materials. However, to be truly competitive in an open market situation, higher value products are required. Results suggest that biogas technology must be encouraged, promoted, invested, implemented, and demonstrated, but especially in remote rural areas.

Biography

Abdeen Mustafa Omer (BSc, MSc, PhD) is an associate researcher at Energy Research Institute (ERI). He obtained both his PhD degree in the built environment and master of philosophy degree in renewable energy technologies from the university of nottingham. He is qualified mechanical engineer with a proven track record within the water industry and renewable energy technologies. He has been graduated from university of El menoufia, Egypt, BSc in mechanical engineering. His previous experience involved being a member of the research team at the national council for research/energy research institute in Sudan and working director of research and development for national water equipment manufacturing Co. Ltd., Sudan. He has been listed in the book "who's who" in the World 2005, 2006, 2007 and 2010. He has published over 300 papers in peer-reviewed journals, 200 review articles, 7 books and 150 chapters in books.

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