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Advances in biomass and biogas energy**Abdeen Mustafa Omer**

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The renewable energy resources are particularly suited for the provision of rural power supplies and a major advantage is that equipment such as biogas, flat plate solar driers, wind machines, etc., can be constructed using local resources and without the high capital cost of more conventional equipment. Currently the non-commercial fuels wood, crop residues and animal dung are used in large amounts in the rural areas of developing countries, principally for heating and cooking, the method of use is highly inefficient. In addition to the drain on resources, such an increase in consumption consequences, together with the increased hazards of pollution and the safety problems associated with a large nuclear fission programmes makes this type of energy environment unfriendly.

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