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| **Abstract:** |  |
| Biomass gasification is quite new in Bangladesh and may be considered as a promising technology for the useful conversion of waste biomass. The fuel gas produced by gasification can run engines and thus generate electricity. In the present work, literature survey is performed to compare the available proven gasification technologies around the globe in terms of biomass quality and quantity, system complexities and capacity, and economic factors. The outcome of this study would identify a suitable gasification technology for Bangladesh. To explore the full potentials of biomass gasification, necessary data on biomass availability and quality is discussed. A case study is incorporated which applies biomass gasification technology in Bangladesh, to generate power from rice husk. This will provide a practical impression on the successful use of this technology in this country. Finally useful conclusions and possible recommendations are made in favor of adopting this technology in Bangladesh’s perspective. | |