

# IET Renewable Power Generation Call for Papers

## For a Special Issue on: Power from Biomass

The 6<sup>th</sup> International Conference on Biomass Energy (ICBE2018)

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In 2017, the world primary energy consumption increased to 13.5 billion tons of oil, equivalent with strongly growing electricity consumption. Considering the ever-increasing energy demand, depleting fossil fuel reserves, and environmental concerns, developing the utilisation of renewable energy is becoming inevitable. Biomass is the only carbon-containing renewable energy with net CO<sub>2</sub> emissions, which accounts for 9% (~51 EJ) of the total primary energy supply in the world. In this context, biomass has significant potential to be used as a renewable and sustainable source for power generation. Therefore, in this Special Issue, we invite original and unpublished papers on biomass power generation and related topics, e.g. biomass pretreatment, emissions control, and so on.

### Topics of interest include, but are not limited to:

- Pretreatment (including torrefaction and/or pelletisation) of biomass
- Pyrolysis, gasification and combustion of biomass
- Co-combustion of biomass and coal
- Synergy effects and combustion kinetics
- Biogas production and cleaning
- CO<sub>2</sub> separation, storage and utilization
- SO<sub>2</sub>, NO<sub>x</sub>, heavy metals and PAHs emissions
- Particulate matter emission during biomass combustion
- Agglomeration, slagging, fouling and corrosion
- System design and parameters optimisation
- Techno-economic feasibility of biomass for power generation
- Policies and strategy of biomass power generation

Submit your paper to manuscript submission and peer review site via the following link:  
[www.ietdl.org/IET-RPG](http://www.ietdl.org/IET-RPG)

### Publication Schedule:

**Submission Deadline:**  
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**Publication Date:**  
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