

Name: Parag Kamal Talukdar

Designation: Assistant Professor (TEQIP)

Department: Mechanical Engineering, Jorhat Engineering College, Jorhat-785007, Assam.

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EDUCATIONAL QUALIFICATION

- PhD** Pursuing in Mechanical Engineering Department (**Fluids and Thermal**) of Indian Institute of Technology Guwahati, Assam, India
- M.Tech** Specialization: **Energy**
Indian Institute of Technology Jodhpur, India (2013)
- BE** Department: **Mechanical Engineering**
Assam Engineering College, Assam, India (2010)

Area of Specialization: Renewable Energy, Turbomachinery

Professional Experience: 28th September, 2018 – till date: Faculty at Jorhat Engineering College.

RESEARCH PUBLICATIONS

❖ International Journal:

- ◆ **Talukdar PK**, Sardar A. Kulkarni V, and Saha UK, 2018, Parametric analysis of model Savonius hydrokinetic turbines through experimental and computational investigations, ***Energy Conversion and Management***, 158, 36–49. [Elsevier]
- ◆ **Talukdar PK**, Kulkarni V, and Saha UK, (2018), Field testing of model hydrokinetic helical-bladed turbine for small-scale power generation, ***Renewable Energy***, 127, 158–167. [Elsevier]

❖ International Conference:

In abroad

- ◆ **Talukdar PK**, Kulkarni V, and Saha UK, 2018, Performance characteristics of vertical-axis off-shore Savonius wind and Savonius hydrokinetic turbines, ***ASME 2018 37th International Conference on Ocean, Offshore and Arctic Engineering***, Paper No. OMAE2018–78497, June 17–22, Madrid, Spain.
- ◆ **Talukdar PK**, Kulkarni V, Dehingia D, and Saha UK, 2017, Evaluation of a model helical-bladed hydrokinetic turbine characteristics from in-situ experiments, ***ASME 2017 11th International Conference on Energy Sustainability***, Paper No. ES2017–3490, June 26–30, Charlotte, NC, USA.

Within India

- ◆ **Talukdar PK**, Kulkarni V, Das AK., Dwivedy SK, Kakoty SK, Mahanta Pand Saha UK, 2017, In-situ experiments to estimate the performance characteristics of a double-step helical-bladed hydrokinetic turbine, **ASME 2017 Gas Turbine India Conference**, Paper No. GTINDIA 2017–4572, December 07–08, Bangalore, India.
- ◆ **Talukdar PK**, Kumar S, Kulkarni V, Das AK., and Saha UK, 2015, Onsite testing of a zero head vertical–axis helical water turbine for power generation, **ASME 2015 Gas Turbine India Conference**, Paper No. GTINDIA 2015–1230, December 02–03, Hyderabad, India.

ACHIEVEMENTS

- ◆ Recipient of “**Young Scientist Travel Grant**” from Science and Engineering Research Board (SERB), India to attend 37th International Conference on Ocean, Offshore and Arctic Engineering (OMAE2018) held at Madrid, Spain.
- ◆ Recipient of **Ministry of Human Resource Development (MHRD)**, India Scholarship during the tenure of M. Tech and PhD.