

CURRICULUM VITAE

Name: RAJIB BHOWMIK

Designation: Assistant Professor

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Sex: Male

Date of Birth: 27-12-1984

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 th Std.	2001	SEBA	General
2	HSSLC/10+2 Std.	2003	AHSEC	Science
3	Degree (B.E)	2008	Gauhati University	Mechanical Engineering
4	Master's Degree (M.Tech)	2011	Tezpur University	Energy Technology
5	Ph. D.	Pursuing	NERIST	Mechanical Engineering

Languages known:

English, Bengali, Assamese, Hindi

Academic/ Administrative Experience:

1. August 2011 to till date: Assistant Professor, Department of Mechanical Engineering, Girijananda Chowdhury Institute of Management and Technology, Guwahati, India
2. August 2010 to December 2010: Teaching Assistant, Department of Mechanical Engineering, Tezpur University, Tezpur, India.
3. Departmental NBA Coordinator from 2019 onwards
4. Departmental Examination Coordinator 2013- 2019
5. Departmental Training and Placement Coordinator from 2013- 2019

List of Publications:

Journal

Chatterjee A., **R. Bhowmik**, **2022**, Experimental determination of flexural strength of Bholuka bamboo (*Bambusa Balcooa*) of Assam, India,. *Materials Today: Proceedings*.

R. Bhowmik, S. Das, D Mallick, S.S. Gautam. **2022**, Predicting the elastic properties of hemp fiber- A comparative study on different polymer composite, *Materials Today: Proceedings*. 50, 2510 -2514.

R. Bhowmik, C. R. Kakati and D. Dhar, **2018**, Design and Fabrication of Manual Rice Transplanter. *International Journal for Research in Engineering Application & Management*, Vol 4, pp. 252-256, doi: 10.18231/2454-9150.2018.0332, ISSN: 2454-9150.

M. Pathak, N. Kalita, D. Baruah and **R. Bhowmik**, **2015**, Production of Biodiesel from Waste Cooking Oil. *International Journal of Modern Engineering Research*, Vol 5, pp. 60-64, ISSN: 2249–6645.

B. Bikash, **R. Bhowmik** and M. Saikia, **2013**, Challenges of Wet Briquetting from Locally Available Biomass. *International Journal of Modern Engineering Research*, Vol 3, pp. 1707–1711, ISSN: 2249-6645.

M. Saikia, **R. Bhowmik**, D. Baruah, B. J. Dutta and D.C.Baruah, **2013**, Prospect of bioenergy substitution in tea industries of North East India. *International Journal of Modern Engineering Research*, Vol 3, pp. 1272-1278, ISSN: 2249-6645.

Book Chapter

R. Bhowmik, M. Chakraborty and D.C. Baruah, **2011**, Studies of *Mesua Ferrea* L: Biodiesel Production and characterization. *International Congress on Renewable Energy (ICORE2011)*, November 02–04, Tezpur, India.

D. Mallick, S.D. Sharma, A. Kushwaha, H.S. Brahma, R. Nath, R. Bhowmik, **2022**, Emerging commercial opportunities for conversion of waste to energy: aspect to gasification technology, Waste-to-energy Approaches towards zero waste, 105 – 127

R. Bhowmik, Bhaskor J Bora, **2021**, Shorea robusta (Sal) fallen leaves briquette: A potential bioenergy fuel for rural community, *Innovations in Sustainable Energy and Technology*, 253-264.

Conference

Presented paper entitled “Shorea robusta (Sal) fallen leaves briquette: A potential bioenergy fuel for rural community” in “*Innovations in Sustainable Energy and Technology*” organized by Energy Institute Bangalore, Rajiv Gandhi Institute of Petroleum Technology from 3rd and 4th December 2020.

Presented paper entitled “Studies of *Mesua Ferrea* L: Biodiesel Production and characterization” in “*International Congress on Renewable Energy*” jointly organized by Solar Energy Society of India and Tezpur University from 2nd – 4th November 2011.

Research Experience:

Completed Projects:

1. “Optimizing friction and wear characteristics of seed oil based lubricant” sponsored by TEQIP III, MHRD, Govt. of India, New Delhi.
2. “Determination of physical properties of bamboo trunk” sponsored by TEQIP III, MHRD, Govt. of India, New Delhi.

Membership of Professional bodies:

Lifetime member of Indian Society for Technical Education (LM103608)

Award, Fellowship & Recognition:

1. Awarded **Best Poster Presenter** (*Poster title: Studies of Mesua Ferrea L: Biodiesel Production and characterization*) in International Congress on Renewable Energy: 2nd - 4th November 2011, Tezpur University, Tezpur, Assam.
2. Appreciation letter received for writing the Self-Learning materials of Units I-IV of the course DRE 202-“**Energy Efficiency in Thermal Utilities**” for the programme PG Diploma in Renewable Energy and Energy Management offered by the Centre for Open and Distance learning, Tezpur University.
3. **Reviewed** book on “Design of Machine Elements”, Oxford University Press.
4. **Scholarship** during 2009 -2010 under the scholarship scheme of Government of Assam, Director of Technical Education, Assam.



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Date: 2nd January, 2023