

NATIONAL ENGINEERING COLLEGE, KOVILPATTI

DEPARTMENT OF MECHANICAL ENGINEERING

Name : Mr. W. Beno Wincy
Designation : Assistant Professor
Qualification : M.E., M.B.A., Ph.D.
Specialization : Energy Engineering
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Education Qualifications:

Course/ Specialization	Institution/University	Percentage / CGPA
Ph. D. (Pursuing) Renewable Energy Technology	University College of Engineering, Nagercoil (Anna University)	8.25
M. B. A. (2017) First class Financial Services Management	Anna University, Chennai	70
M. E. (2016) First class with Distinction II rank holder in Anna University Energy Engineering	St. Xavier's Catholic College of Engineering, Nagercoil (Anna University)	8.72
B. E. (2014) First class Mechanical Engineering	St. Xavier's Catholic College of Engineering, Nagercoil (Anna University)	8.16

Experience:

Name of the College	Position Held	From	To	Total years
National Engineering College, Kovilpatti	Assistant Professor	24.08.2020	As on 24.10.2020	2 M
University College of Engineering, Nagercoil	Visiting Faculty	01.09.2017	31.12.2018	1 yr. 4 M
Total Experience				1 yr. 6 M

Area of Interest:

- Biomass gasification
- Convective drying
- Internal combustion engine
- Composite materials

List of Publications:

International/National Journals:

1. **W. Beno Wincy**, M. Edwin, S. Joseph Sekhar (2020). Energy and Exergy Evaluation of Rice Processing Mills Working with Biomass Gasifier in Parboiling Process. *Fuel* 2020; 259:116255. (**Elsevier, Impact Factor - 5.578**)
2. **W. Beno Wincy**, M. Edwin (2019). Techno-Economic Assessment on the Implementation of Biomass Gasifier in Conventional Parboiling Rice Mills. *International Journal of Energy Research*; 44(3): pp. 1709-1723. DOI: 10.1002/er.4991. (**Wiley, Impact Factor - 3.741**)
3. **W. Beno Wincy**, M. Edwin, S. Joseph Sekhar (2019). Investigation on the Performance of Producer Gas Fired Reversible Flat-Bed Dryer. *Energy Research Journal*; pp. 48-55. DOI: 10.3844/erjsp.2019.48.55.
4. **W. Beno Wincy**, M. Edwin, V. Christus Jeya Singh, S. Joseph Sekhar (2017). Design and Analysis of a Bubbling Fluidized Bed Gasifier using different biomasses. SSRN eLibrary of Elsevier, Available at SSRN: <https://ssrn.com/abstract=3193885>.

Conferences:

1. **W. Beno Wincy**, M. Edwin (2020), "Performance Analysis of a Novel Syngas Operated Dryer for Fish Drying" 6th National Conference on Refrigeration and Air Conditioning (NCRAC 2020), K.L.N. College of Engineering, Madurai, organized by IITM.
2. **W. Beno Wincy**, M. Edwin, S. Joseph Sekhar (2019), "Fabrication and Performance Investigation of Producer Gas Fired Reversible Flat-Bed Dryer" National Conference on Advances in Energy Efficient Technologies (NCAEET'19), Marian Engineering College, Kazhakuttom, Trivandrum. ISBN No.: 978-81-940546-1-0.
3. **W. Beno Wincy**, A. Jemila Percy, M. Edwin (2019), "Mechanical and Thermal Characterization of Polyester Composite Reinforced with Chemically Treated Abaca Fibers" National Conference on Advances in Energy Efficient Technologies (NCAEET'19), Marian Engineering College, Kazhakuttom, Trivandrum. ISBN No.: 978-81-940546-1-0.
4. **W. Beno Wincy**, M. Edwin, V. Christus Jeya Singh, S. Joseph Sekhar (2017), "Design and Analysis of a Bubbling Fluidized Bed Gasifier using different biomasses" International Conference on Materials, Emerging-Devices and Energy-Efficient Technologies (MEETCON-2017), St. Xavier's Catholic College of Engineering, Nagercoil, India. ISBN No.: 13 978-81-927227-0-2.

Reviewer of Journals:

- Energy Research Journal-Science Publications.
- International Journal of Scientific Development and Research.

Research citations:

Google scholar : <https://scholar.google.co.id/citations?user=-KcFHXcAAAAJ&hl=en>

Research gate : https://www.researchgate.net/profile/Beno_W_Wincy

Details of short term courses/Seminars/Workshops/Training Programmes attended

- Attended 5 days GIAN course at NIT, Warangal on Exergy Analysis of Industrial Processes during 11th - 15th February, 2019.
- Attended 6 days GIAN course at NIT, Calicut on Advances in Combustion Modeling during 4th - 9th March, 2019.
- Attended 12 days GIAN course at NIT, Trichy on Advanced Internal Combustion Engines during 6th - 17th May, 2019.
- Two days workshop on “Intellectual Property Rights & Entrepreneurship” at University college of Engineering, Nagercoil.
- Two days hands-on workshop on “Energy Systems Modelling and Simulation Using Cycle-Tempo Software” at National Institute of Technology, Tiruchirappalli.
- One week Refresher Programme on “Utility Based Energy Efficient Management Practices with Reference to Industrial Needs-Basic to Advanced Approaches” organized by Department of Mechanical Engineering, Kongu Engineering College, Erode.
- Two days national level workshop on “Effective Strategies in Research Project Proposal Writing and Linking Funding Agencies” organized by LIFE – Loyola College & CAAS Research Foundation at Loyola Institute of Frontier Energy, Chennai.
- Technical workshop on “Intellectual Property Right” organized by Patent Information Centre- TNSCST and Sarah Tucker College at Sarah Tucker College, Tirunelveli.
- Workshop on “MATLAB for Beginners” organized by Research Centre, St. Xavier’s Catholic College of Engineering.
- Workshop on “Advancement in Automobile Sector” at National Engineering College, Kovilpatti.
- Workshop on “Communication and Motivation” at Scott Christian College, Nagercoil.
- Seminar on “How to Approach Funding Agencies” at St. Xavier’s Catholic College of Engineering, Nagercoil.

Professional activities:

- Advisory board member in World Research Forum for Engineers and Researchers
- Special guest in MEGX installation ceremony in the Department of Mechanical Engineering, St. Xavier’s Catholic College of Engineering, Chunkankadai on 3rd Aug 2018.
- Resource person in a three days workshop on “Computational Fluid Dynamics” organized by School of Mechanical Engineering at Mar Ephraem College of Engineering and Technology, Elavuvilai on 16th to 18th February 2017.

Industrial training:

- Sri Hari Bus Body Builders – Karur.
- Indian Rare Earths Limited – Manavalakurichi

Additional Responsibilities

- Organizer in FDTP, conference, seminars, etc.

The above given details are true to the best of my knowledge and belief.

Place: K. R. Nagar,

Date : 24.10.2020.

(W.Beno Wincy)