

Nrushinhananda Mahapatra, Ph.D.
 Associate Professor,
 Department of Farm Machinery and Power



Education

- Ph.D. (Agril. Engg.) in Agricultural Engineering (Farm Machinery and Power), IIT, Kharagpur, 2002
- M. Tech in Farm Machinery and Power, IIT, Kharagpur, 1986
- B.Sc. (Ag. Engg. & Tech.), Orissa University of Agriculture and Technology, Bhubaneswar- 1982

Experience

Working as Associate Professor in Farm Machinery and Power Department, CAET. Before joining the present post he has worked as Jr. Scientist in AICRP in Water Management, Chiplima, OUAT, and Asst. Professor, AICRP on Power Tillers, OUAT, Training Associate at KVK, G. Udayagiri, OUAT.

Courses taught

- Operation and Maintenance of Tractors and Farm Machinery (B. Tech.)
- Tractor Systems and Control (B. Tech.)
- Tractor Design and Testing (B. Tech.)
- Testing of Tractors and Farm Equipments (M. Tech.)
- Tractor Design (M. Tech.)

Students guided

Guided 4 students for M. Tech.(Farm Machinery and Power)

Significant research contributions

- Developed a Test Soil Bin with financial support from RKVY.
- Standardized the process parameters carbonization and briquetting of Green Coconut Shell for Fuel.
- Developed a improved furrow covering device for tractor operated Seed cum Fertilizer Seed Drill

Present research interests

- Entrepreneurship development on bio-coal production from agricultural waste pericularly Green Coconut Shell
- Development of furrow covering device for Seed Drills.
- Active tillage

Honours and Awards

- Awarded second best prize for the paper entitled “Study on Carbonisation and Briquetting of Green coconut Shell for Fuel” at the national seminar on ‘Sustainable Agriculture & Food Security: Challenges and Opportunities’ held on 29th – 30th November, 2010 at OUAT, Bhubaneswar

Peer recognition

- Expert member in many SAUs and ICAR institutes .

Selected publications

- S, Acharya, **Mahapatra, N.** and Ghosal, M. K. 2014. Draft Requirement of Bullock Drawn Mouldboard Ploughs in Sandy Loam Soil of Coastal Odisha. Indian Journal of Dryland Agricultural Research and Development. Vol. 29, No 1. PP-89-92
- **N, Mahapatra.** And P. K. Rout. 2010. Study on carbonization and briquetting of green coconut shell for fuel. J. Res. Orissa Univ. Agric. Tech. Vol. 28 No. 1 &2. PP 107-112

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