



Ajaya Kumar Dash, Ph.D.
Professor ,
Department of Farm Machinery & Power

Education

- Ph.D. in Energy Studies, Indian Institute of Technology, New Delhi- 2007
- M. Tech.(Ag. Engg.) in Farm Machinery & Power, Orissa University of Agriculture & Technology, Bhubaneswar- 1989
- B.Sc. (Ag. Engg. & Tech.), Orissa University of Agriculture and Technology, Bhubaneswar- 1987

Experience

Working in OUAT Bhubaneswar since 1990 in different capacities in teaching, research and extension and as Professor, Department of Farm Machinery & Power since 2010.

Externally Funded Projects/ schemes

- Presently working in All India Coordinated Research Project on Utilisation of Animal Energy with Enhanced System Efficiency since 2012.

Courses taught

- Field operation & maintenance of tractors & farm machinery – I & II
- Farm machinery equipment – I
- Farm power & machinery
- Renewable energy and Green Technology

Students guided

Guided sixr students for M. Tech. research

Present research interests

- Organic agriculture
- Integrated approach to renewable energy
- Green initiatives

Honours and Awards

- University Gold Medal, 1989, Orissa University of Agriculture and Technology.

Member Professional Societies

- Life Member, Indian Society of Agricultural Engineers.

- Life Member, Indian Science Congress.
- Fellow, Institute of Engineers(India), Kolkata.
- Life member, Orissa Engineering Congress.
- Life Member, Orissa Bigyan Academy.
- Member, Biodynamic Association of India, Bangalore.
- Life Member, CAET Alumni Association.

Peer recognition

- External examiner to Central Agricultural University.
- Referee of national/ international journals.
- Resource person to Govt. and non-Government organizations.
- Expert to Odisha Public Service Commission, Cuttack.
- Expert to ICAR-National Rice Research Institute, Cuttack.

Publications

Authored 2 books in english, 3 books in oriya and more than 40 research papers in peer reviewed journals and more than 15 popular technical articles.

Selected publications

- **Dash, A.K., R.C.Pradhan, L.M.Das and S.N.Naik.** 2008. *Some physical properties of Simarouba fruit and kernel. International Agrophysics, Vol. 22: 111-116.*
- **Dash, A.K., P.K.Sahoo, L.M.Das and S.N.Nayak.** 2014. Simarouba glauca biodiesel as a potential renewable alternative to petro-diesel in India. *Agricultural Engineering Today. Vol. 38(4): 37-43.*
- **Dash, A.K., P.K.Sahoo, L.M.Das and S.N.Nayak.** 2014. Studies on properties of Simarouba glauca fruit and kernel relevant to mechanical decortication. *Seed Research.*
- **Dash, A. K., S. K. Swain, A. K. Mohapatra and M. Mohapatra.** 2014. Sustainability of draught animals through employment generation of rural masses. *Journal of Extension Education. Vol. 19(1): 93-99.*

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