***Balram Panigrahi*, Ph.D.**
Professor and Head,
Department of Soil & Water Conservation Engineering

Education

- Ph.D. (Agril. Engg.) in Soil & Water Conservation Engineering, Indian Institute of Technology, Kharagpur (India)- 2002
- M. Eng.(Water Resources Engg.), Asian Institute of Technology, Bangkok- 1987
- B.Sc. (Ag. Engg. & Tech.), Orissa University of Agriculture and Technology, Bhubaneswar- 1985

Experience

Working in OUAT Bhubaneswar since 1988 in different capacities in teaching, research and extension. Worked as Chief Scientist, All India Co-ordinated Research Project on Water Management and as Associate Director of Research, Regional Research and Technology Transfer Station, Chiplima. Presently working as Professor and Head, Department of Soil & Water Conservation Engineering, CAET since 2008.

Externally Funded Projects/ schemes

- Worked as Co-PI in CSIR Sponsored Project entitled " Designing Optimum Size of Rainwater Harvesting and Recycling Structure for Diversified Cropping Ststems in Rainfed Upland Ecosystem of Eastern India".
- Worked as Associate Scientist in National Agricultural Innovation Project (Indian Council of Agricultural Research) - subproject entitled "Sustainable Rural Livelihood and Food Security to Rainfed Farmers of Odisha".

Other important assignments

- Nodal Officer for execution of experiments on "National Watershed Development Program for Rainfed Areas" (NWDPRA), in all the research stations of the university

Courses taught

- Irrigation Engineering (B. Tech.)
- Irrigation Equipment Design (B. Tech.)
- Design of Farm Irrigation Systems (M. Tech. & Ph.D)
- Advanced Hydrology (Ph.D)

(Please give the courses taught in last 10 years)

Students guidance

Guiding 4 students for Ph.D. 24 M. Tech. students have been guided.

Significant research contributions

- Developed a software for simulation of optimum design of on-farm reservoir for various cropping systems.
- Developed the surface drainage systems for reclamation of chronically waterlogged ecosystems for cultivation of paddy based cropping systems.

- Developed water saving irrigation technique for paddy for increasing water productivity in irrigated commands.
- Paired row furrow irrigation in potato was found to give highest yield and water-use-efficiency than the conventional irrigation in each furrow.
- Drip irrigation in tomato with mulching was found to save costly irrigation water and increase water productivity than the conventional furrow irrigation without mulching.

(Please put your best 5 research contributions in bulleted form)

Present research interests

- Irrigation and drainage planning and design
- Water management of both canal and rainfed farming systems.
- Watershed planning and management

Honours and Awards

- Jawaharlal Nehru Award for best post graduate research in the field of Natural Resources Management by Indian Council of Agricultural Research, New Delhi in 2005.
- Samant Chandra Sekhar Award, 2008 of Orissa Bigyan Academy for best R&D works in the field of science and technology.
- Commendation medal, 2014 of the Indian Society of Agricultural Engineers for valuable contribution in the field of soil and water conservation engineering.
- Givinda Gupta Award, 2004 of Institution of Engineers for best R&D works in the field of engineering
- Also received some awards and first prizes for best paper presentations in seminars.

International trainings/ visits/seminars

- Presented technical papers in a number of international seminars at Kathmandu and Bangkok.

Peer recognition

- Member, Editorial Board of two international journals and referee of many national/ international journals
- Expert member in many SAUs and ICAR institutes
- Resource person to different Govt. and non-Government organizations
- Member of several state and national level committees working in the field of soil and water conservation engineering.

- ***Publications***

Authored 2 books with ISBN numbers, 2 practical manuals, six book chapters, 65 research papers in peer reviewed journals and more than 55 popular technical articles.

Contact details:

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