

**College of Agricultural Engineering & technology,
Dr. Rajendra Prasad Central Agricultural University, Pusa, BIHAR**

Expert Lecture on Conjunctive Use of Canal and Ground Water: A Convincing Solution to Increase Productivity and Profitability (19 June 2026)

An expert lecture by Dr. Ashutosh Upadhyay, Principal Scientist and Head, Division of Land and Water Management, ICAR Research Complex for Eastern Region, Patna, was organized by Department of Irrigation and Drainage Engineering, CAET, RPCAU, Pusa by (Hybrid Mode) on the topic " Conjunctive Use of Canal and Ground Water: A Convincing Solution to Increase Productivity and Profitability" on 19 June 2026 at Dr. R. K. Rai conference Hall. Dr. A. K. Gautam, Assistant Professor, IDE and Organising Secretary of the event, delivered the welcome address. Dr. Ravish Chandra, Associate Professor, IDE and Co-Convenor of the event, introduced the speaker and presented a brief biodata of Dr. Ashutosh Upadhyay. Dr. R. Subbiah, Dean and Convener of the event delivered brief remarks highlighting the significance of the online lecture and appreciated the efforts of the IDE Department. During his lecture, Dr. Upadhyay highlighted the conjunctive use of canal water and groundwater as an effective strategy for enhancing agricultural productivity, increasing farm profitability, and promoting sustainable water-resource management. He emphasized the challenges associated with excessive canal irrigation, such as waterlogging, as well as groundwater depletion resulting from over-extraction. Drawing upon farmer surveys conducted in the canal command areas of Bihar, he demonstrated that the timely use of groundwater, particularly for rice nursery establishment and during critical crop growth stages, can significantly improve crop yields. Groundwater resources, their overexploitation, climate variability, urbanization, and the growing presence of emerging contaminants in water systems. The program was attended by Dean, Heads, Faculty Members, UG, PG and Ph. D students. More than 7participants attended the programme. Vote of thanks was given by Dr. Sudershan Prasad, Associate Professor, IDE, CAET, Pusa

Some of the glimpses

