



Dr. D. K. Das
Professor

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EDUCATIONAL QUALIFICATIONS

- **B. Sc. (Ag.):** Rajendra Agricultural University, Pusa
- **M.Sc. (Ag) (Soil Science):** Rajendra Agricultural University, Pusa
- **Ph.D. (Soil Science):** G. B. Pant University of Agriculture & Technology, Pantnagar

PROFESSIONAL AREA

- **Research Area:** Agroforestry / Soil fertility
- **Research Interests:** Structure and function of manmade plantations including parameters of biomass, structure, litter-fall, net primary production, and energetics; turnover of nutrients of tree and crop layers, nutrient cycling and carbon sequestration.
- **Memberships/Fellow of Societies:** Life Member, Indian Society of Agroforestry, CAFRI, Jhansi; Life Member, Range Management Society of India, IGFR, Jhansi; Life Member, RPCAU, Pusa Journal, Pusa (Samastipur).

PUBLICATIONS

- **Research articles / Review articles /Short Communication: 58**
- **Books & Book Chapter: 11**
- **Popular articles: 48**

KEY PUBLICATIONS:

- Panwar, P., Chauhan, S., Kaushal, R., Das, D.K., Ajit, Arora, G., Chaturvedi, O.P., Jain, K., Chaturvedi, S., and Tewari, S., 2017. Carbon Sequestration Potential of Poplar-based Agroforestry using the CO2FIX Model in the Indo-Gangetic Region of India. *Tropical Ecology*, 58 (2), pp. 439-447.
- Das, D.K., Laik, R. and Chaturvedi, O.P., 2015. Biomass production and nutrient dynamics of *Acacia lenticularis* (L.) Willd-Curcuma domestica Valeton agroforestry systems in north-west alluvial plain of Bihar. *Indian J. of Agroforestry*, 17 (1), pp.74-80.
- Das, D.K., Chaturvedi, O.P., Jha, R.K. and Kumar, R., 2011. Yield, soil health and economics of aonla (*Embllica officinalis* Gaertn.)-based agri-horticultural systems in eastern India. *Current Science*, pp.786-790.
- Ajit, D. K. Das, O. P. Chaturvedi, Nighat Jabeen and S. K. Dhyani (2011). Predictive models for dry weight estimation of above and below ground biomass components of *Populus deltoides* in India: Development and Comparative Diagnosis. *Biomass and Bioenergy* 35(3), pp. 1145-1152.
- Das, D.K., Chaturvedi, O.P., laik, R., Jha, R.K. and Chakraborty, A.K., 2010. Aerial tree biomass and nutrient status of soil in *Acacia lenticularis* (L.) Willd plantations in relation to stand density. *Indian Journal of Agroforestry*, 12(1), pp.8-12.
- Das, D. K. and O.P. Chaturvedi (2009). Energy dynamics and bioenergy production of *Populus deltoides* G-3 Marsh plantation in eastern India. *Biomass and Bioenergy* 33(1), pp. 144-148.
- Das, D.K., Chaturvedi, O.P., Chakraborty, A.K. and Ali, M.S., 2008. Effect of the planting dates and cutting portions of the shoots on sprouting and growth behaviour of *Populus deltoides* clones. *Indian Journal of Agroforestry*, 10(2), pp.54-57.
- Das, D.K., Chaturvedi, O.P., Ali, M.S. and Kumar, R., 2008. Effect of leaf litters application on the growth and biomass production of *Azadirachta indica* A. Juss seedling. *Range Management and Agroforestry*, 29(2), pp.115-118.
- Das, D.K. and Chaturvedi, O.P., 2008. Root biomass and distribution of five agroforestry tree species. *Agroforestry systems*, 74(3), pp.223-230.
- Das, D.K., Chaturvedi, O.P., Mandal, M.P. and Kumar, R., 2008. Effect of tree plantations on biomass and primary productivity of herbaceous vegetation in eastern India. *Tropical Ecology*, 49(2), pp.95.