

Division of Livestock & Fishery Management

Personal Details



Sonaka Ghosh

Scientist

Address: Scientist (Agronomy), PME Cell, ICAR-Research Complex for Eastern Region, ICAR Parisar, P.O. B.V. College, Patna-800014, Bihar

Email: sonaka.ghosh@icar.gov.in

Research Interest

Conservation agriculture, Weed management

Research Highlights

Nitrogen management and weed dynamics in conservation agriculture, Weed management in tobacco

Memberships / Fellowships

ICAR-JRF Fellow for M.Sc. research work for the academic session 2015-2017

DST-INSPIRE Fellow for Ph.D. research work for the academic session 2017-2020

Life member of "Indian Society of Weed Science", Jabalpur, Madhya Pradesh, India

Technology Developed

Optimization of nitrogen dose in conservation agriculture based maize-wheat system

Herbicide selection and standardization for bidi tobacco nursery

Publication Details

Research paper-8, Book chapter-1, Popular article-3

Research papers (recent four)

- **Ghosh, S.**, Das, T. K., Sharma, D. and Gupta, K. 2019. Potential of conservation agriculture for ecosystem services: A review. *Indian Journal of Agricultural Sciences* **89**(10): 1572-1579.
- Das, T. K., **Ghosh, S.**, Gupta, K., Sen, S., Behera, B. and Raj, R. 2020. The weed *Orobanche*: species distribution, diversity, biology and management. *Journal of Research in Weed Science* **3**(2): 162-180.
- Behera, B., Das, T. K., Raj, R., **Ghosh, S.**, Raza, M. B. and Sen, S. 2021. Microbial consortia for sustaining productivity of non-legume crops: prospects and challenges. *Agricultural Research* **10**(1): 1-14.
- Das, T. K., Sen, S., Raj, R., **Ghosh, S.**, Behera, B. and Roy, A. 2021. Economic threshold concept for weed management in crops: Usefulness and limitation. *Indian Journal of Weed Science* **53**(1): 1-13.