Dr. Mukesh Kumar
Associate Professor

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EDUCATIONAL QUALIFICATIONS

- **B. Sc. (Ag.):** Punjab Agricultural University, Ludhiana
- **M.Sc. (Ag) Agronomy:** GBPUA&T Pantnagar
- **Ph.D. Agronomy** Indian Agricultural Research Institute, New Delhi

PROFESSIONAL AREA

- **Research Area**: Weed management, Water management and Conservation Agriculture
- **Research Interests:** Socio-economic impact assessment of Climate Change
- **Memberships/Fellow of Societies:** Agricultural Economics Research Association (India); Indian Society of Agricultural Marketing; Indian association of Hill farming; Association of Agro-meteorologists

PUBLICATIONS

- **Research articles / Review articles /Short Communication: 45**
- **Books / Book Chapter: 08**
- **Popular articles: 15**

KEY PUBLICATIONS:

- Pramanick, B., Kumar, M., Naik, B.M.; **Kumar, M**.; Singh, S.K.; Maitra, S.; Naik, B.S.S.S.; Rajput, V.D.; Minkina, T. 2022. Long-term conservation tillage and precision nutrient management in maize–wheat cropping system: effect on soil properties, crop production, and economics. Agronomy , 12, 2766. https://doi.org/10.3390/agronomy 12112766 (NAAS 8.60)
- **Kumar, Mukesh,** Mitra, S.; Mazumdar, S.P., Majumdar, B.; Saha, A.R.; Singh, S.R.; Pramanick, B.; Gaber, A.; Alsanie, W.F.; Hossain, A. 2021. Improvement of soil health and system productivity through crop diversification and residue incorporation under jute-based different cropping systems. *Agronomy*, **11**, 1622. https:// doi.org/10.3390/agronomy11081622 (NAAS 8.60)
- Mazumdar, S. P. , Saha, A. R. , Majumdar, B., **Kumar, Mukesh**, Alam, N. M., Saha, R. , Dey , P. and Kar G. 2022. Impact of balanced fertilization on carbon and nutrient dynamics under long-term jute-rice-lentil cropping system in alluvial soils of eastern India. *Communications in Soil Science and Plant Analysis*, 53:13, 1574-1591, DOI: 10.1080/00103624.2022.2060250, (NAAS 7.33)
- **Kumar, Mukesh.,** S. Mitra, A. Bera and M.R. Naik: 2021.Energy use pattern of diversified cropping systems under different nutrient and crop residue management practices in Eastern Indo-Gangetic plain. *Jouranl of Environmental Biology*, 42, 1053-1061.(NAAS 6.78)
- **Kumar,Mukesh,** Kundu D.K., Ghorai A.K., Mitra, S., Singh S.R. 2018. Carbon and nitrogen mineralization kinetics as influenced by diversified cropping systems and residue incorporation in Inceptisols of eastern Indo-Gangetic Plain. *Soil and Tillage Research* ,178 108-117 (NAAS 9.40).
- **Kumar Mukesh**, S R Singh S.K. Jha, Shamna A, Sonali P. Mazumdar, Amarpeet Singh, D.K. Kundu and B.S. Mahapatra 2014.System productivity, profitability and resource use efficiency of jute based cropping systems in the eastern Indo-gangetic plain. *Indian Journal of Agricultural Sciences* **84** (2) 209-13. (NAAS:-6.17)
- **Kumar, Mukesh**, T.K. Das and N. T. Yaduraju 2012. An integrated approach for management of *Cyperus rotundus*(Purple nut sedge) in soybean–wheat cropping system. *Crop Protection*. **33** 74-81. (NAAS 7.30)
- Bera, Amit, Mukhopadhyay, Elora, Kar, C.S., **Kumar Mukesh**, Bhandari H.R. **2020 .**Efficacy of scarification treatments on release of seed coat imposed dormancy in five wild species of genus *Corchorus. South African Journal of Botany*,135, 144-147.
- Mazumadar S. P. Saha. AR, Majumdar B, **Kumar M**.,Alam N.M., Dey, P. Samal, S. Bhattachrya R. **2020.** Integrated nutrient management and formulation of fertilizer prescription equation for recommendation of fertilizer for potato on alluvial soil of eastern India. *Journal of Environmental Biology*, 41 92-100 (NAAS 6.78)
- Singh, A K, **Kumar Mukesh** and Mitra, S. 2018. Carbon footprint and energy use in jute and allied fibre production. *Indian Journal of Agricultural Sciences* 88 (8): 1305–11(NAAS:-6.17)
- Singh S. R., Kundu, D. K ., Tripathi, M. K., Dey P ,Saha A.R., **Kumar, Mukesh** Singh , Ishwar, Mahapatra, B.S. 2015. Impact of balanced fertilization on nutrient acquisition, fibre yield of jute and soil quality in New Gangetic alluvial soils of India. *Applied Soil Ecology* 9224–34,(NAAS 8.90)

- Mitra, Sabyasachi, **Kumar, Mukesh**, Saha, Monidipta and Mahapatra, B. S. 2014. Effect of irrigation and nutrient management on growth, fibre yield and water use of ramie (*Boehmeria nivea) Indian Journal of Agricultural Sciences* **84** (5): 595–601. (NAAS:-6.17)