

### Personal Details



**Dr. J.S. MISHRA**  
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### Research Interest

Conservation tillage, Weed management

### Research Highlights

### Memberships / Fellowships

Life member of Indian Society of Weed Science, Indian Society of Agronomy, Society for Millets Research and Development, Society of Agricultural Professionals, Society for Upliftment of Rural Economy.

Fellow, Indian Society of Weed Science, 2007

Fellow, Indian Society of Agronomy, 2010

### Technology Developed

1. Developed weed management technologies in zero till rice-wheat system and other field crops
2. Identified the dominant species of parasitic weed *Cuscuta* in India as *C. campestris* and developed its management strategies in field crops.
3. Developed weed management technologies for sorghum and management practices of sorghum in rice-fallows
4. Developed technologies for improving moisture and nutrient-use efficiency in *Rabi* sorghum.

### Publication Details

1. **Mishra, J.S.**, Singh, V.P., and Yaduraju, N.T. 2006. Wild onion (*Asphodelus tenuifolius* Cav.) interference in lentil and chickpea crops and its management through competitive cropping. *Weed Biology and Management* 6, 151-156.
2. **Mishra, J.S.**, Moorthy, B.T.S., Bhan, Manish and Yadurajy, N.T. 2007. Relative tolerance of rainy season crops to field dodder (*Cuscuta campestris*) and its management in niger (*Guizotia abyssinica*). *Crop Protection* 26 (4): 625-629.
3. **Mishra, J.S.** and Singh, V.P. 2012. Tillage and weed control effects on productivity of a dry seeded rice-wheat system on a Vertisol in Central India. *Soil & Tillage Research*, 123: 11-20.
4. Rao S.S., Patil J.V., Prasad P.V.V., Reddy D.C.S., **Mishra J.S.**, Umakanth A.V., Reddy B.V.S., and Kumar A.A.2013. Sweet sorghum planting effects on stalk yield and sugar quality in semi-arid tropical environment. *Agronomy Journal*, 105: 1458-1465 (DOI: 10.2134/agronj201).
5. **Mishra, J.S.**, Thakur, N.S., Kewalanand, Sujathamma, P., Kushwaha, B.B., Rao, S.S. and Patil, J.V. 2014. Response of sweet sorghum genotypes for biomass, grain yield and ethanol production under different fertility levels in rainfed conditions. *Sugar Tech*, DOI 10.1007/s12355-014-0315-4.