K.S. Saket P.G. College - Faculty Profile

Name: Capt. (Dr) Manish Kumar Singh

Designation: Professor

Qualification: M.Sc., Ph.D., NET

Faculty: Faculty of Science

Department: Botany

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About:

Dr. Manish Kumar Singh has over 15 years of teaching and academic experience. His areas of interest include Plant Physiology, Ethnobotany, and Environmental Biology. In addition to his academic role, Dr. Singh serve as a company commander of NCC Army wing.

Publications:

Chaturvedi G.S.; B.B. Singh; A.K. Singh Manish Kumar Singh; J.L. Dwivedi; M.P. Singh & Sumit Chaturvedi (2003). Flood tolerance in crops: Research accomplishment of Indian scientists- J. of Plant Biology. 30(2): 229-240.G.S. Chaturvedi, B.B. Singh, A.K. Singh, Manish Kumar Singh and V.N. Singh (2004). Carbohydrate accumulation and remobilization of upland and lowland rice in response to water deficit at various developmental stages. Published in proceedings of Rockefeller Foundation drought workshop â Resilient Crops for Water Limited Environmentsâ organized by Rockefeller Foundation & CIMMYT, held at Cuernavaca, Mexico from 24-28 May.Nishant Singh1*, Manish Kumar Singh1, Jyotsna Raghuvansi2, Ravi Kumar Yadav3 and Zeba Azim4 (2023). GREEN SYNTHESI OF NANO ZINC OXIDE USING PHYLLANTHUS EMBLICA L. FRUIT EXTRACT AND ITS IMPACT ON R CONTENT AND ANTIOXIDANT ENZYME ACTIVITY OF BRASSICA OLERACEA VAR ITALICA. Biochem. Cell. 23, No. 2, pp. 737-750, 2023.Nishant Singh1* , Manish Kumar Singh1 , Jyotsna Raghuvansi2 , Ravi Kumar Yadav3 , Zeba Azim4 (2024). Green synthesis of nano iron oxide using Emblica officinalis L. fruit extract and its impact on growth, chlorophyll content, and metabolic activity of Solanum lycopersicum L. Journal of Applied Biology & Biotechnology Vol. 12(2), pp. 173-181, Mar-Apr, 2024.Nishant Singh1 ´• Manish Kumar Singh1 ´• Ravi Kumar Yadav2 ´• Zeba Azim3 ´• Jyotsna Raghuvansi. (2024). en synthesis and characterization of nano zinc oxide and comparative study of its impact on germination and metabolic activities of Solanum lycopersicum L. and Capsicum annuum L.. Vegetos March 2024Nishant Singh a,*, Manish Kumar Singh a, Ravi Kumar Yadav b, Zeba Azim (2023). Role of green synthesized nano iron oxide in alleviating the cadmium toxicity in Brassica oleracea var. italica seedlings. Plant Nano Biology. Volume 6, November 2023, https://doi.org/10.1016/j.plana.2023.100055

Teaching:

B. Sc. First Sem   Microbiology and Plant Pathology (Unit VII Diseases and Control) & Associated PracticalsB.Sc. Second Sem   Archegoniates and Plant Architecture (Unit I Introduction to Archegoniates & Bryophytes) &   Associated PracticalsB.Sc. Third Sem   Flowering Plants Identification & Aesthetic Characteristics (Unit VII Computer Applications) &   Associated PracticalsB.Sc. Fourth Sem Economic Botany, Ethnomedicine and Phytochemistry (Unit VI Medicinal Aspects) & Associated   PracticalsB.Sc. Fifth Sem   Experiments in Physiology, Biochemistry & Molecular BiologyB.Sc. Sixth Sem   Project in Botany for Graduation PG First Sem   Algae and Bryophytes & Associated