



Dr. Ravindra Kumar Jain
HOD & Assistant Professor

PhD

He is a Fellow of Linnean Society of London has completed his Post Graduation and Ph.D from Ch. Charan Singh University, Meerut. He has more than 15 years of research and teaching experience. His current research area of interest is on Plant- Microbe Interaction. He is presently working on molecular biology of nitrogen fixation.

Area of Interest

Molecular Biology

Experience

Teaching:

✚ 15 years of research and teaching experience.

Skill sets & Expertise

Plant Microbe Interaction

Publications

Research Publications:

Publications – 19

✚ **R. K. Jain**, Amit Kumar Jain, V.K.Gera (2008): Effect of Growth Regulators on Leghemoglobin Biosynthesis in Chickpea Nodules. *Legume Research: An International Journal* 31(4): 303-305.

✚ Amit Kumar Jain, **R. K. Jain**, O.P Singh, J.D.S Panwar, Vinod Kumar (2008): Dual inoculation of *Rhizobium* and Vesicular Arbuscular Mycorrhizal (VAM) with Phosphorus in Mung Bean (*Vigna radiate*). *Plant Archives: An International Jr. of Plant Research* 8(2): 945-946.

- ✚ Vandana, Amit Kr Jain, J.D.S. Panwar, **R.K Jain**, Anuj Kr. Ruhela (2008): Role of 2, 4,-D and *Azospirillum brasilense* in nodulation in Wheat. *Plant Archives: An International Jr. of Plant Research* 8(2): 967-968.
- ✚ **R. K. Jain** and J. Agarwal (2007): Rhizobial isolates with wet colonies are more effective in terms of nodulation efficiency. *Progressive Research: An International Journal* 2(1/2): 108-110.
- ✚ **R. K. Jain** and V. Kumar (2007): Nodulation efficiency is directly correlated with Leghemoglobin content of nodules. *Progressive Research: An International Journal* 2(1/2): 135-137.
- ✚ N. K. Singh, **R.K. Jain**, V. Kumar, D. K. Pandey, S. P. Singh (2004): Genetic Jokers: Transposable Elements in Plants- A Review. *Progressive Agriculture: An International Journal* 4 (1): 1-7.
- ✚ **R. K. Jain**, Swati Agarwal, Sangita Kansal, V. Kumar (2002): Nodulation Efficiency of Five Isolates of *Rhizobium ciceri*. *Progressive Agricultur: An International Journal* 2 (2): 129-131.
- ✚ **R. K. Jain**, Amit Kumar Jain, V. K. Gera (2008): Colony morphology is determined by the amount of exopolysaccharides (EPS) produced by Rhizobial isolates. *The Jr. of the Indian Botanical Society* 87 (1&2): 142-144.
- ✚ **R.K. Jain**, Swati Agarwal (2007): Rhizobial isolates with wet colonies are more effective in terms of Nodulation Efficiency. *BIOHORIZON'07, Joint Indo-Korean Symposium on Biochemical Engineering and Biotechnology*, organized by Department of Biochemical Engineering and Biotechnology, I.I.T. Delhi on February 22-24, 2007.
- ✚ **R. K. Jain**, V.Kumar (2010): Nodulation Parameters is positively correlated with Leghemoglobin content of nodules of chickpea. National Conference on 'Leads for futuristic Biotechnological inputs: Indian Context' organized by Institute of Applied Medicine and Research, Ghaziabad. March 26& 27, 2010.
- ✚ O.P. Singh, A. K. Jain, **R. K. Jain** (2010): Effect of Temperature and relative humidity on occurrence of *Trichoderma sp.* National Conference on 'Leads for futuristic Biotechnological inputs: Indian Context' organized by Institute of Applied Medicine and Research, Ghaziabad. March 26& 27, 2010.
- ✚ **R. K. Jain**, A.K. Jain, JDS Panwar (2010): Effect of Dual inoculation of *Rhizobium* and VAM fungi on chickpea production: National Seminar on

Emerging trends in Biotechnology, Microbiology and Physiotherapy organized by IIMT College of Medical Sciences, Meerut. March 14, 2010.

- ✚ A. K. Jain, **R. K. Jain**, J. D.S. Panwar (2008): ULCV infected *Vigna mungo* plants showed higher chlorophyll and sugar contents over healthy plants. National Symposium on “Environment and sustainable development” organized by Department of Botany, Meerut College, Meerut on November 14, 2008.
- ✚ **R. K. Jain**, Amit Kumar Jain and V.K. Gera (2007): Effect of Auxins, Gibberellins and Cytokinins on Leghemoglobin biosynthesis in Chickpea nodules. XXXth Botanical Conference, National Seminar on Emerging Trends in Plant Science: Biodiversity, Biotechnology & Environmental Conservation, organized by Jiwaji University, Gwalior on November 28-30, 2007.
- ✚ A. K. Jain, JDS Panwar and **R. K. Jain** (2007): Nodulation in wheat with 2-4 D and *Azospirillum brasilense*. APSI Scientist Meet & National Symposium on Recent Trends in Plant Sciences and Herbal Medicine organized by N. D. University of Ag. & Tech, Faizabad on December 17-18, 2007.
- ✚ A. K. Jain, JDS Panwar and **R. K. Jain** (2007): Drought Tolerance in Chickpea (*Cicer arietinum* L.) APSI Scientist Meet & National Symposium on Recent Trends in Plant Sciences and Herbal Medicine organized by N. D. University of Ag. & Tech, Faizabad on December 17-18, 2007.
- ✚ **R. K. Jain**, A.K. Jain, V. K. Gera (2007): Ammonium Chloride showed maximum inhibitory effect on Nitrogenase activity. APSI Scientist Meet & National Symposium on Recent Trends in Plant Sciences and Herbal Medicine organized by N. D. University of Ag. & Tech, Faizabad on December 17-18, 2007.
- ✚ **R. K. Jain**, A.K.Jain, V. K. Gera (2007): EPS and LPS profile of rhizobial isolates nodulating Green Gram (*Vigna radiata*). APSI Scientist Meet & National Symposium on Recent Trends in Plant Sciences and Herbal Medicine organized by N. D. University of Ag. & Tech, Faizabad on December 17-18, 2007.
- ✚ **R.K. Jain** (2006): Effective isolates of *Rhizobium ciceri* produce more exopolysaccharide. National Symposium on Biotechnology in Genomic Era: Industrial priorities, organized by I.I.L.M College of Engineering and Technology, Greater Noida on April 27-28, 2006.

Book

- ✚ 2 books for UG and PG classes of Biotechnology.


Other Achievements

Awards and Honours-


 CSIR NET

Certifications-

 Bioinformatics Tools and Data Analysis

 Wipro - Mission 10X – Advanced Certification

Membership of Professional Societies-

 Fellow of Linnean Society of London.

 Indian Botanical Society.

 Society for Recent Developments in Science and Agriculture.

Social links-

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