



1. Name : **Dr. Janardan Yadav**
2. Designation: **Professor**
3. Academic Qualifications: M.Sc. (Ag), Ph.D

Sr.	Degree	Institution	Year
1.	Ph.D.	Banaras Hindu University, Varanasi	1992
2.	M.Sc. (Ag.)	Banaras Hindu University, Varanasi	1986
3.	B.Sc. (Ag.)	Banaras Hindu University, Varanasi	1983
4.	Intermediate	U. P. Board, Allahabad	1979
5.	High School	U. P. Board, Allahabad	1977

4. Area of Specialization: (brief writeup) if any: Soil Science and Agricultural Chemistry : Soil Microbiology/ Microbial Biotechnology/ Soil Fertility
5. Contact Information: Ph. 0542-6701641 (O), 09415622967 (Mob.)
6. Projects Undertaken as PI/ Co PI(if any):

Projects at Banaras Hindu University:

(A) As Principal Investigator - 2

- (1) "Studies on the new bio-formulations of the PGPR's to develop new bio-fertilizers of multiple use in crop production" Funded by National Centre of Organic Farming, Ministry of Agriculture, Govt. of India (April 2006 to June 2009). **Code P-34/05, Cost Rs. 32.**
- (2) Development of genetically modified psychrophilic phosphate solubilizer as PGPR to nourish vegetable crops in cold regions of Himalayas. Funded by DRDO, Min.of defence, Govet. Of India (Nov. 2007 to continued), Code P31/35, **Cost Rs. 29.854 Lakh**

(B) As Co-Principal Investigator - 3

- (1) Determination of nitrous oxide emission and crop yield through use of neem coated urea in different crops under varying soil conditions vs normal urea (Indo-Gulf Fertilizers Limited, Govt. of India undertaking) (July 2006 to continued). **Cost.**
- (2) Assesment of soil health using bioindicators in Central Himalayas, Funded by G.B. Pant Instt. of Himalayan Environment and Development, Min. of Environment, Govt. of India, From 12.8.2009 to continued. **Cost Rs. 8.43 Lakh.**
- (3) Isolation, characterization and screening for development of assymbiotic diazotrophic biofertilizer in eastern Uttar Pradesh, From Dec. 2009 to continued, **Cost Rs. 12.809 Lakh**

(2) "In-Situ Decomposition of Paddy Straw" in Collaboration of Scientists of the Department of Mycology and Plant Pathology, B.H.U.

Projects at DARL, DRDO, Pithoragargh (Aug. 1996 to Feb, 2003)

(A) As Principal Investigator CCPI :

- (1) Development of Eco-friendly Agrotechnology in Haldwani Cantonment and Desert Area of Barmer, Rajasthan” (SL-PL-98/DARL-57). Rs. 20.70 Lakh
- (2) Reflectance Libraries for Development of Soil Sensor for Periodic Assessment of State of Soil Resources (NATP, ICAR Project)

(B) As Supporting Scientists

- (1) Studies on Organic Farming of Vegetables (RD-PL-97/DARL-54)
- (2) Development of sustainable village in Kanalichhira Block, Pithoragarh (RD-P₁-97/DARL-55)

7. Awards/ Recognitions (if any):

1. Elected as **Counselor of Indian Society of Soil Science**, New Delhi for two years (2009 and 2010) .
2. Second **prize** for presentation of **Best Research Paper in Natl. Seminar on Plant Biotechnology for Sustainable Hill Agriculture** held at DARL, Min. of Defence, Govt. of India, on may 7-8, 1998 at Pithoragarh.

- #### 8. List of major Publications: (in order of importance)(if any) (Performances/ exhibitions in the case of Faculties of Performing Arts and Visual Arts)

LIST OF PUBLICATIONS

1. Verma, J.P., **Yadav, Janardan** and Tiwari, K.N. (2010) Application of *Rhizobium sp.* BHURC-01 and n, bioplant growth promoting rhizobacteria on nodulation and yield of chickpea (*Cicer arietinum* L.). International J. Agricultural research, 5(3): 148-156.
2. **Yadav, Janardan** and Sanoria, C.L. (1994) Nodulation and symbiotic N accumulation in common bean as influenced by rhizobial strains at varying levels of N. Polosh J. of Soil Sc. XXVII/2 : 137-144.
3. Singh, R.A., Singh, V.P., Chandola, V.K., Prasad, S., Singh, R.P. and **Yadav Janardan** (1991) Production Potential of Pigeonpea/pearl millet intercropping system in rainfed Diara (Flood prone) areas of Eastern U.P. International Pigeonpea Newsletter (ICRISAT, Hyderabad), IPN, 14.
4. Singh, R.A., Singh, V.P., Chandola, V.K., Prasad, S., Singh, R.P. and **Yadav Janardan** (1990) Economics of fertilizer use on barley in rainfed ‘Diara’ areas of Eastern Uttar Pradesh, India. RACHIS, 9(1) : 30-31.
5. **Yadav Janardan** and J. P. Verma, 2009. Response of wheat to PGPR and organic manures in cereal and legume based cropping sequences under nascent stage of organic forming. Annals of Plant and Soil Research, 11(2),122-125.
6. Verma, J.P., Yadav, Janardan and Tiwari, K.N. (2009) Effect of *Mesorhizobium* and plant growth promoting rhizobacteria on nodulation and yields of chickpea. Biological Forum – An International journal, 1(2):11-14.
7. **Yadav, Janardan** and Prasad, Jagdish (2005) Characteristics of some typical pedons from Leh. J. Annals of Arid Zone 44(2) : 195-198.
8. **Yadav, Janardan**, Arora, B.K. and Kumar, N. (2004) Salt tolerant vegetable genotypes and their production potential in desert area of Rajasthan. Annals of Arid Zone 43(2) : 205-207.
9. Saxena, R.K., Verma, K.S., Srivastava, R., **Yadav, Janardan**, Patel, N.K., Nasre, R.A., Bharthwal, A.K., Shiwalkar, A.A. and Londhe, S.L. (2003) Spectral reflectance properties of some dominant soils occurring on different altitudinal zones in Uttaranchal Himalayas. Agropedology, (2), 13, 35-43.
10. **Yadav, Janardan** and Kumar, N. (1999) Status of major nutrients in alkaline soils of Len, Suru and Nubra valleys under cold arid conditions of Ladakh region. J. of Indian Soc. of Soil Sc.
11. **Yadav, Janardan**, Singh, N. and Kumar, N. (1999) Nutritional values of off-season leafy vegetables grown in

trenches under cold arid conditions of Leh. Agric. Sc. Digest, 19(2) : 103-104.

12. Sanoria, C.L., **Yadav, Janardan** and Berkum, P. van (1998) Feasibility of french bean inoculation with exotic rhizobial strains in Indian soil. Indian J. Agric. Chem. XXXI(1) : 33-40.
13. **Yadav, J.** and Sanoria, C.L. (1996) Field study on inoculation of Zaid and Kharif mung bean (*Vigna radiata* L.) with exotic rhizobial strains in Varanasi alluvium. J. of Indian Soc. of Soil Sc., 44(3) : 521-522.
14. Singh, R.A., Singh, V.P., Chandola, V.K., Prasad, S. and Yadav, Janardan (1994) Effect of levels of N on grain yield and N-use by rainfed barley in flood prone (*Tal*) area. Annals of Agril. Res. 15(1) : 122-123.
15. Sanoria, C.L., **Yadav, Janardan** (1993) Testing of strains of *Rhizobium phaseoli* on french bean (*Phaseolus vulgaris*) under green house and field conditions. Indian J. Agron. 38(1) : 28-32.
16. Singh, R.A., Singh, V.P., Chandola, V.K., Prasad, S. and **Yadav Janardan** (1993) Effect of varying levels of NPK and time of N application on yield of sugarcane in Diara (flood prone) area of Eastern U.P. Cooperative Sugar, 24(4 & 5) : 165-167.
18. Singh, R.A., Singh, V.P., Chandola, V.K., Prasad, S., Singh, R.P. and **Yadav Janardan** (1990) Studies in the agricultural potential of *Diaralands* (flood prone areas) of Eastern Uttar Pradesh. Indian J. Agron. 35 (1 & 2) : 184-189.
19. Singh, R.A., Singh, V.P., Chandola, V.K., Prasad, S., Singh, R.P. and **Yadav Janardan** (1990) Response of barley to N-application in flood prone (*Diara*) areas of Eastern Uttar Pradesh. Agric. Sc. Digest, 10(2) : 110-112.
20. Gaur, R., **Yadav Janardan** and Pandey, L. (1989) Thermostability of extracellular protease enzyme produced by *Spicaria fusispora*, a thermophilic fungus. Hindustan Antibiotics, 31(1-2) : 36-37.

9. Additional Information/ Achievements (if any):

Development of **37 strains** of Plant Growth Promoting Rhizobacteria (**PGPR**), nucleotides submitted and accession No. received from NCBI, **Technology transferred to NCOF, Min. of Agriculture, Govt. of India** for mass culture production