

## CURRICULUM VITAE

**Name** : **Dr. Pooja Suneja**  
**Designation** : Assistant Professor  
**Office Address** : Department of Microbiology  
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**Academic Achievements:** Masters Degree in Microbiology (Gold Medalist) from CCSHAU Hisar, PhD in BioSciences from Maharshi Dayanand University, Rohtak Qualified UGC-NET in 2000

**Teaching and Research Experience:** Joined Department of Microbiology, M.D.University, Rohtak in 2010 as Assistant Professor. Have 8 years of research experience in the field of Microbiology. Worked as Lecturer on contract basis in Department of Biosciences, M.D.University, and Rohtak. Presently working on Plant Microbe Interactions.

**PhD Students Registered:** Three

### Awards and honors:

- Dr. Ved Vyas Gold Medal in M.Sc. (1999)
- Awarded University Scholarship during M.Sc.
- Qualified UGC-NET (Dec.2000)
- Best Poster award in National Seminar "Innovative Researches in Life Sciences" organized by the Department of Zoology, M.D.University on 21<sup>st</sup> Feb,2015
- Awarded DST –FAST TRACK Young scientist award.

### Publications: -

#### Review Articles:

- Dudeja S S,Giri R,Saini R, **Suneja-Madan P** &Kothe E, 2012. Interaction of endophytic microbes with legumes. **Journal of Basic Microbiology** 52(3):248-260(Impact Factor : 1.823)
- **Suneja P**, Dudeja SS, Dahiya P, 2016. Deciphering the phylogenetic relationships among rhizobia nodulating chickpea: A Review. **Journal of Applied Biology and Biotechnology** 4 (03): 061-070. DOI: 10.7324/JABB.2016.40310

#### Chapters in books:

- **Madan P S**, Jakhar S and Dahiya P.2014. Plant as Potential Source of Antimicrobials In Promotion and Globalization of Indian herbal products Ed. Munish Garg, Lambert Academic publishing 63-75 ISBN:978-3-659-59033-7
- **Pooja Suneja**, Joginder Singh Duhan, Namita Bhutani and Surjit Singh Dudeja. 2017. Recent Biotechnological Approaches to Study Taxonomy of Legume Nodule Forming Rhizobia 101-124. In : Plant Biotechnology :Recent

Advancements and Developments (Edited by Gahlawat, S.K., Salar, R.K., Siwach, P., Duhan, J.S., Kumar, S., Kaur, P.) published by Springer-Verlag, Germany. ISBN 978-981-10-4731-2, ISBN 978-981-10-4732-9 (e Book) DOI 10.1007/978-981-10-4732-9

### Research Publications:

- Bhutani, N., Maheshwari, R., Negi, M., **Suneja, P.**, 2018. Optimization of IAA production by endophytic *Bacillus spp.* from *Vigna radiata* for their potential use as plant growth promoters. *Isr. J. Plant Sci.* 65 (1-2), 83-96. <https://doi.org/10.1163/22238980-00001025> (Impact Factor: 0.672)
- **Suneja P**, Piplani S, Dahiya P and Dudeja S S. 2016. Molecular Characterization of Rhizobia from Revertants of Non-nodulating Cultivar and Normal Cultivar of Chickpea. *Journal of Agriculture Science and Technology* 18: 763-773 (Impact Factor : 0.813)
- Naveen, **Suneja P**, Nanda S, 2015. Microsponge delivery system of Propyl Paraben for sustained preservation of creams and ointments: Optimization, characterization and antimicrobial evaluation. *International Journal of Pharmaceutical Sciences and Research IJPSR Scientific Proceeding APTICON 2015* ISSN: 0975-8232 “Strategic Approaches to Strengthen Academic and Industrial Collaboration” [www.ijpsr.com](http://www.ijpsr.com) 296 PA-91
- Nirupama and **Suneja P**. 2015. Isolation and Characterization of Endophytes for their Plant Growth Promoting Traits from Chickpea (*Cicer arietinum*) roots. 144-148. *Proceedings of National Seminar “Innovative Researches in Life Science”* on ISBN 78-81-920945-5-7.
- **Suneja P** and Dang A S, 2014. Probiotics. *Proceedings National Seminar “Next Generation Science: vision 2020 & Beyond”* March 8, 2014. Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana)
- Dang A S and **Suneja P**, 2014. Gut microbiota, major health concern: A Review *Proceedings National Seminar “Next Generation Science: vision 2020 & Beyond”* March 8, 2014. Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana)
- **Madan PS**, Kumar A & Dahiya P, 2014. Characterization of epiphytic bacteria isolated from chickpea (*Cicer arietinum L.*) nodules. *African Journal of Microbiology* 8(12):1302-1309 (Impact Factor :0.534)
- **Madan P S** & Dahiya P, 2013. Diversity and effectivity of mesorhizobia nodulating reverted non nodulating lines of chickpea in comparison to the normal cultivar. *Plant Archives* 13(2):929-935
- Dang AS, Preeti, **Madan P S** and Kumar A. 2013. Primary characterization of staining effects of Lawsonia inermis extracts on plant tissues. *Proceedings National Seminar “Promising trends in Science Galaxy”* March 20, 2013. Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana)
- Dahiya P, Jakhar S and **Madan P**. 2013. Mold Allergy: An Overview. *Proceedings National Seminar “Promising trends in Science Galaxy”* March 20, 2013. Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana)

- **Suneja P**, Dudeja S S and Narula N, 2007. Development of multiple co-inoculants of different biofertilizers and their interaction with plants. Archives of Agronomy and Soil Science.53:2, 221 -230(Impact Factor : 2.137)

### **Projects:**

#### **Completed:**

- UGC minor research project on “Molecular characterization of rhizobia forming nodules on reverted non-nodulating selections of chickpea”.
- Dr. R.K. Foundation Fund, M.D.U. Rohtak Project on “Isolation and biochemical characterization of bacterial endophytes from roots and nodules of leguminous plants grown in Rohtak district”.
- **DST** (Young scientist start up grant) Project on “Exploration of endophytic bacterial diversity in legume based cropping system in Haryana for potential use in crop improvement”.

### **Conference/Workshops/Symposia:**

#### **Organised:**

- Organised National conference on “New Avenues in Microbiology: Challenges and Prospects” (NAMCAP-2015), Department of Microbiology, M.D.University on 11<sup>th</sup> March,2015
- Member of Registration and Hostel committee of International Conference organized by Association of Microbiologists of India from 17-20 November,2013
- Co-organizing Secretary in International Research Colloquium on “Advances in Microbial Biotechnology: Future Prospects” November 20, 2012
- Coordinator of Transport & Accommodation Girls committee of DST-INSPIRE programme from April28-May2, 2012
- Member of Organizing Committee(Joint Secretary) Seminar on Intellectual Property Creation and Protection organized by Department of Microbiology,M.D.U.,Rohtak23 April 2011

#### **Attended:**

- Attended SERB-DST sponsored two day workshop on “Opportunities and Challenges for women in STEM” organized by women faculty of Science,Life Sciences,Engineering & Technology, Kurukshetra University, Kurukshetra, from January 24<sup>th</sup>-25<sup>th</sup>,2018.
- Presented Paper entitled “Screening and characterization of ACC deaminase producing endophytes from Chickpea (*Cicer arietinum*) and Pea (*Pisum sativum*) 58<sup>th</sup> International Annual Conference of "The Association of Microbiologists of India (AMI- 2017) at Babasaheb Bhimrao Ambedkar University, Lucknow, UP, India from November 16th To 19th, 2017.
- Presented Poster entitled “Isolation and characterization of endophytic bacterial isolates for production of Indole 3 Acetic acid” at National Seminar on “Biodiversity: Status and Significance” organized by Department of Botany, March 21, 2017, Maharshi Dayanand University, Rohtak.
- Presented poster entitled “Isolation and Characterization of Endophytes for their Plant Growth Promoting Traits from Chickpea(*Cicer arietinum*) roots” in National Seminar “Innovative Researches in Life Science” on February 21, 2017 ,organized by Department of Zoology,MDU,Rohtak.

- Presented Poster entitled “Optimization of Indole 3 Acetic acid production by endophytic bacteria of leguminous plants at International conference on emerging areas of environmental science and engineering (EAESE/2017), February 16-18, 2017, GJUS&T Hisar
- Presented Poster entitled “Characterization of endophytic bacteria from *Vigna radiata* (Mungbean) for root growth promotion and their potential role in salinity tolerance” at National Conference on Genetic Diversity & Therapeutic Potential of Natural Products, September 17, 2016, Dept. of Genetics, M.D.U., and Rohtak.
- Presented Paper entitled “Isolation and Characterization of Endophytes for their Plant Growth Promoting Traits from Chickpea (*Cicer arietinum*) nodules” in the 56<sup>th</sup> International Annual Conference of "The Association of Microbiologists of India (AMI- 2015) at Convention Centre, Jawaharlal Nehru University (JNU), New Delhi from December 7th To 10th, 2015
- Presented Paper entitled “Isolation and characterization of endophytes for their plant growth promoting traits from roots and nodules of leguminous plants: exploring their potential role as bioinoculants” in the 7th International Conference on Sustainable Agriculture for Food, Energy and Industry in Regional and Global Context held at Universiti Putra Malaysia, Serdang, Selangor Malaysia on August 25<sup>th</sup> to 27<sup>th</sup>, 2015.
- Presented Poster in National Conference cum workshop on “Molecular Modeling and Drug Design” organized by Centre for Bioinformatics, M.D.University, Rohtak on March 20-21<sup>st</sup>, 2015.
- Presented Poster in NATIONAL CONFERENCE ON Therapeutic Potential of Natural Products: Current Innovations & Future Trends March 19, 2015 Venue: DDE Hall, MDU Rohtak
- Attended 3<sup>rd</sup> International Colloquium on Interdisciplinary scope of Microbiology: Present status and future directions (IRCISM-2015) organized by the Department of Microbiology, M.D.University on January 31<sup>st</sup>, 2015.
- Presented poster in National Conference on therapeutic potential of natural products: current innovations and future trends” organized by the Department of Genetics, M.D.University, and Rohtak on March 19th, 2015.
- Presented Poster in National Seminar ”Innovative Researches in Life Sciences” organized by the Department of Zoology, M.D.University on 21<sup>st</sup> Feb, 2015
- Presented Poster entitled “Deciphering the phylogenetic relationships among rhizobia nodulating chickpea: A Review” in International Conference on Emerging Trends in Biotechnology (ICTEB 2014) held during November 6-9, 2014 at J.N.U., New Delhi.
- Participated in National workshop on “Genomics and Proteomics” organised by Department of Biochemistry, MDU, Rohtak on March 3-5, 2014.
- Participated in National Seminar on “Trends in Bioprocess Technology: Innovations and implications in Microbiology” organised by Department of Microbiology, M.D.U., Rohtak on March 10, 2014.
- Participated in National Seminar on “Stem Cell and Human Medicine” organised by Centre for Medical Biotechnology, M.D.U., Rohtak on March 1, 2014.
- Presented Poster entitled “ENDOPHYTIC BACTERIA: AN ALTERNATIVE TO CHEMICAL FERTILIZERS” in National conference on “Pollution mitigation for a sustainable future” organised by Department of Environment Science, MDU, Rohtak on March 26, 2014.

- Presented Poster entitled “CO-INOCULATION OF NODULE EPIPHYTES AND MESORHIZOBIA ISOLATED FROM CHICKPEA (*Cicer arietinum* L.) NODULES” in National Workshop on “Genomics in crop improvement” on February 27-28, 2014 organized by Centre of Biotechnology and Dr. R.K. Foundation Fund, MDU, Rohtak.
- Presented Paper entitled “INDUSTRIAL WASTE WATER MANAGEMENT” in National seminar cum workshop on “ New Dimensions in Eco Management” organized by Department of Zoology , MCM DAV College for Women, Chandigarh on February 25, 2014.
- Presented Poster entitled “PLANTS AS POTENTIAL SOURCE OF ANTIMICROBIALS” in 18<sup>th</sup> Annual Convention of Society of Pharmacognosy on “Promotion and Globalisation of Indian Herbal Products - Perspectives and Prospects” on February 21-22, 2014.
- Participated in “National Workshop on Medical Bioinformatics” organised by Bioinformatics Infrastructure Facility, M.D.U., Rohtak on December 13-14, 2013.
- Participated in one day workshop on “Instrumental Methods in Pharmaceutical Research” organized by Department of Pharmaceutical Sciences & Dean Student’s Welfare on November 28, 2013.
- Presented Poster in 54<sup>th</sup> Annual conference organized by Association of Microbiologists of India titled “International Symposium on Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance (FDMIR-2013) on November 17-20, 2013.
- Participated in National Seminar on “Novel Antimicrobials: An Alternative to Clinical Antibiotics” organized by Department of Genetics, M.D.U., Rohtak on September 14, 2013.
- Attended National Seminar “Promising Trends In Science Galaxy”(PTSG-2013) on March 20, 2013
- Attended International Research colloquium on Advances in Microbial Biotechnology: Future prospects (AMBF-2012) Department of Microbiology, MDU, Rohtak 20<sup>th</sup> Nov. 2012
- Participated in National Seminar on challenges in Combating Diseases: Cause to cure organized by Department of Zoology, M.D.U., Rohtak 23 march 2012
- Participated in National Seminar on “Women Society and State” on Feb 9-10, 2012 organized by M.D.U., Rohtak
- Participated in National Workshop on Real Time PCR organized by Department of Biochemistry, M.D.U., Rohtak on 24-25, November, 2011
- Participated in National Seminar on Molecular Techniques – The face of modern Sciences organized by Department of Biochemistry M.D.U., Rohtak 24 October 2011
- Participated in National seminar on microbes and resource management organized by Department of Microbiology, M.D.U., Rohtak on 22 October 2011
- Participated in National Seminar on “Internet : Applications in Research” organized by Department of Zoology, M.D.U., Rohtak 26 March 2011
- Participated in National workshop on “Bioinformatics” organized by Centre for Biotechnology, M.D.U., Rohtak (September 14-16, 2010).
- Presented a poster in 50<sup>th</sup> Annual Conference of Association of Microbiologist of India held in Pune .(December 15-18, 2009)
- Attended workshop on Patent Awareness held in MDU Haryana on 21<sup>st</sup> December, 2002 organized by Department of Biosciences, M.D. University, Rohtak

**Other Functions:**

- Member PG Board of studies 2013-15
- Member Faculty of Life Science 2011-2012
- Member Counseling committee for M.Sc. admission
- Member counseling committee for Ph.D. admission.
- Member Departmental anti-ragging committee
- Member Hospitality committee of Department
- Member of core committee of International Conference organized by Association of Microbiologists of India from 17-20 November,2013
- Member, Executive committee MDU Faculty Club
- Member, Inspection Committee
- Member, Executive committee, Association of Microbiologists of India, Rohtak Unit
- Department coordinator Career and Placement Cell
- Department coordinator Alumini Affairs
- Curriculum Development of syllabi for M.Sc. Microbiology and M.Sc. Microbial Technology for as per choice based credit system

**Extension, Co-curricular & related activities**

- Session coordinator (19<sup>th</sup> &20<sup>th</sup>) in Three Days Workshop On Entrepreneurship Awareness Camp Conducted by: Maharshi Dayanand University, Rohtak, Haryana & Haryana Vishwakarma Skill University (HVSU) (Established Under Government of Haryana, Act No. 25 of 2016) on 19th – 21st, September 2018
- Co-Chaired session in “National Seminar on Gender Inequality and Violence against Women in North-West India” on February 8, 2014 organized by Women Study Centre, MDU, Rohtak.
- Convener for Girls Hostel Accommodation in International Conference organized by Association of Microbiologists of India from 17-20 November,2013
- Convener for Cultural Programme Committee in International Conference organized by Association of Microbiologists of India from 17-20 November, 2013
- Member, Stage Coordination Committee for National Seminar on Fight against Malaria: prospects & Perspectives, Centre for Biotechnology, MD University, Rohtak 9th March 2013
- Appointed as Warden of Yamuna Girls Hostel (9 March 2012- 11July 2012)
- Incharge of Educational Tour 31/03/11 to 05/04/11(Nainital-Dhanachouli,Uttarakhand)
- Delivered Radio Talk on Multiple Drug Resistance

**Membership**

- Life membership of Association of Microbiologists of India
- Member, Indian Science Congress Association
- Life membership of Biotech Research Society of India