



## MANAV RACHNA UNIVERSITY, FARIDABAD

Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana 121004

### Dr. Vandana Nandal

**Designation** : Assistant Professor  
**Qualifications** : Ph.D. in Biotechnology (Bio fertilizer)  
**Email** : [vandanandanal@mru.edu.in](mailto:vandanandanal@mru.edu.in)  
**Experience** : 04 Years



**Research Interest:** Bio fertilizers, Plant Growth-Promoting Rhizo bacteria, Zinc Solubilizing PGPR, E-Learning

#### + Journal Publication Details:

**Nandal, V.** and Solanki, M., 2021. THE ZN AS A VITAL MICRONUTRIENT IN PLANTS. *Journal of microbiology, biotechnology and food sciences*, pp.e4026-e4026. <https://doi.org/10.15414/jmbfs.4026>.

**Nandal, V.** and Solanki, M., 2021. Isolation screening and molecular characterization of zinc Solubilizing bacteria and their effect on the growth of wheat (*Triticum aestivum*). *Asia Pacific Journal of Molecular Biology and Biotechnology*, PP.e85-97. <https://doi.org/10.35118/apjmbb.2021.029.2.09>.

**Nandal, V.** and Solanki, M., 2021. Imperceptible effects of chlorantranilprole on the ecosystem- a critical review. *International Journal-Pollution research*.

**Nandal, V.** and Solanki, M., 2021. Status of Zinc in the soils of Faridabad District, India. *International Journal –Ecology, Environment and Conservation*, PP.e286-289.

**Nandal, V.** and Solanki, M. 2017. Isolation and molecular characterization of a potential Zinc Solubilizing Bacteria for Sustainable Agriculture. *International Journal of Basic and Applied Biology*, e-ISSN: 2349-2539.

**Nandal V.**, Didwani N and Solanki M.,2016. Potential of Zinc Solubilizing Bacterial Inoculants in Fodder crops IJETSRISSN: 2394-3386.

#### + Conference Presentation:

Nandal,V. and Solanki,M., 2021. **“Imperceptible Effects Of Chloranthranil Prole On The Ecosystem – A Critical Review”**. *Pollution Research*, pp. 1309-1315.

Presented a paper titled **“Establishment of Zinc Solubilizing Bacteria in the rhizoplane of berseem”** in the National Conference on “Conservation, Cultivation and Sustainable use of Medicinal and Aromatic Plants (CCSMAP)” organized by Department of Biotechnology, FET, Manav Rachna International Institute of Research & Studies on 21-22 February 2019.

Presented a poster titled **“Establishment of Zinc Solubilizing Bacteria in the rhizoplane of Wheat”** in the national conference on Plant Growth –Promoting Rhizobacteria (PGPR) for the sustainability of Agriculture and Environment organized by the Department of Biotechnology, Mizoram University and Indian Chapter of Asian PGPR Society for Sustainable Agriculture on 11-12 May 2018.

Presented a paper titled **“Isolation and Molecular Characterization of a Potential Zinc Solubilizing Bacteria for Sustainable Agriculture”** in the International Conference on “Recent Research in Biomedical Engineering, Cancer Biology, Stem cells, Bioinformatics and Applied Biotechnology (BECBAB-2017)” organized by “Krishi Sanskriti” on 25<sup>th</sup> February 2017 Convention Centre Jawaharlal Nehru University, New Delhi.

Presented a paper titled **“Potential of Zinc Solubilizing Bacterial Inoculants in Fodder Crops”** in the International Conference on “Recent Innovation in Science, Technology and Management (ICRISTM-16)” organized by conference info and Academic –Science at YMCA, Jai Sing Road, Delhi, India on 3<sup>rd</sup> December 2016.

**+ Administrative Responsibilities:**

Department Coordinator – NAAC Criteria 1 & Criteria 7

**+ Event Attended (Conference/Seminar/FDP/Workshop):**

Participated in FDP on **“Leadership Mastery Through Self-Management”** (online) Dec 27<sup>th</sup> – 31<sup>st</sup>, 2021 organized by Centre for Academic Leadership Manav Rachna University Faridabad In collaboration with Centre for Value Based Education Delhi Technological University, New Delhi In Association with Heartfulness Education Campus.

Participated in One week Short Term Course on **“Gender Sensitization”** in Academic Staff College JNU, Delhi from 17/12/2018-21/12/2018.

Attended the National Institute of Open Schooling (NIOS) sponsored workshop on **“VRIDHEE (Virtual Resources for Individualized Development and Holistic Educational Endeavour”** at G D Goenka University, Gurugram, Haryana on 23<sup>rd</sup> April 2018.

Attended the Faculty Development Programme on **“Transforming Education for Transforming Lives – Adopting a 5E’s Framework”** at Amity University, Noida on 29<sup>th</sup> May-02<sup>nd</sup> June 2017

Attended the Professional Development Programme on **“Amity Academic Structures and Systems”** at Amity University, Noida on 25-27<sup>th</sup> April 2017.

Attended the National Seminar on **“Critical Reflection of the Pre-Service Teachers for the School Internship Under the Revised Guidelines of NCTE 2014”** at Amity University, Noida on 29<sup>th</sup> March 2017.

Attended the Faculty Development Programme on **“Ethics and Values at the Work Place”** at M.R. College of Education, Faridabad on 02<sup>nd</sup> April 2016.

Organized Eight Day National Workshop on **“E-Library Resources”** organized by M.R. College of Education, Faridabad on 14-21<sup>st</sup> March 2016.

Organized a Seven Day National Workshop on **“Research Methodology, Applied Statistics and Use of SPSS”** organized by M.R. College of Education, Faridabad on 15-21<sup>st</sup> February 2016.

Attended the Faculty Development Programme on **“Developing Emotional Intelligence”** at M.R. College of Education, Faridabad on 19<sup>th</sup> September 2015.

Attended the Four Week **“UGC Sponsored Orientation Course”** at Jawaharlal Nehru University, New Delhi during 06<sup>th</sup> April – 01<sup>st</sup> May 2015.

Attended the **“Introductory Course in Scouting & Guiding”** organized by The Haryana State Bharat Scouts & Guides 21-23<sup>rd</sup> April 2014.

Attended the Faculty Development Programme on **“Current Global Pedagogical Practices”** at Manav Rachna International University, Faridabad on 14-16th May 2012.

Attended the National Workshop on **“Use of Multimedia Software in ICT and its Integration in Education”** at C.R. College of Education, Rohtak on 28-29th March 2011.

Attended the National Seminar on **“Educate the Educator”** at M.R. College of Education, Faridabad on 06<sup>th</sup> March 2010.

Attended the National Seminar on **“Examination Reforms – An Approach to Academic Excellence”** at Kalka Institute for Research & Advance Studies, New Delhi on 20th February 2010.