

## Dr. NAMRATA MALIK

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### SYNOPSIS

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- **A Doctorate in Applied Microbiology from Banaras Hindu University.**
- Qualified **CSIR NET (June 2014)** with **All India Rank- 26.**
- A brilliant student consistently maintaining a good performance throughout academia; conversant with microbiological as well as molecular skills.
- A quick learner with the ability to work under pressure and meet deadlines.
- Exceptionally well organized with a track record that demonstrates self-motivation, creativity and initiatives to achieve the set goals.

### ACADEMIA

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- **Certificate in Food and Nutrition** from IGNOU, July 2018 – December 2018
- **Doctor of Philosophy** (Applied Microbiology) from Banaras Hindu University, Varanasi in 2013
- Qualified **CSIR NET (June 2014)** with **All India Rank- 26.**
- Qualified **Indian Council of Agricultural Research (ICAR) – NET 2014**
- Master of Science (Applied Microbiology) from Banaras Hindu University, Varanasi in 2008; Acquired: 91.5% **Batch Topper in M. Sc. III semester**
- Bachelor of Science (Hons.) - Botany, Zoology and Chemistry (as Hons. Subject) from Banaras Hindu University, Varanasi in 2006; Acquired: 77.7% **College Topper and awarded the Best Student**
- Intermediate from Central Board for Secondary Education, Guru Nanak English School, Shivpur, Varanasi in 2002, C.B.S.E; Acquired: 77%
- High School from Central Board for Secondary Education, Guru Nanak English School, Shivpur, Varanasi in 2000, C.B.S.E; Acquired: 88.6% **School Topper**

### WORK EXPERIENCE

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- Currently working as **Subject Matter Expert- Biology** with Chegg India Pvt. Ltd. since October 2019
- Worked as **Assistant Professor (Microbiology)** at Jaipur National University, Jaipur from July 2015 – October 2017
- Worked as **Assistant Professor (Microbiology)** at Mahatma Jyoti Rao Phule University, Jaipur from September 2014 – May 2015

### ACADEMIC PROJECTS

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- Conducted and organized one month **Summer Training** for B. Sc. (Hons.) Biotechnology/ Microbiology/ Biochemistry/ Bioinformatics students during **June 2016** and **June 2017** at Jaipur National University, Jaipur

- Thesis work (entitled "Study on mechanism of plant growth promotion by endophytic bacteria in maize") carried out at Department of Botany, Faculty of Science and Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, BHU, Varanasi; Duration: July 2008-June 2013
- **Senior Research Fellow** in a **CSIR** sponsored Project entitled "Role of ACC Deaminase in plant growth promotion in rice (*Oryza sativa* L.) by endophytic rhizobia" at Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, BHU, Varanasi; Duration: January 2011-June 2013
- Cloning of key genes from *Podophyllum hexandrum* and generation of ESTs at National Institute for Plant Genome Research, New Delhi; Duration: May 2007-October 2007

#### PAPERS PUBLISHED

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- Singh RK, **Malik N** and Singh S, Improved nutrient use efficiency increases plant growth of rice with the use of IAA-overproducing strains of endophytic *Burkholderia cepacia* strain RRE25, **Microbial Ecology**, 66: 375-384, 2013.
- Singh RK, **Malik N** and Singh S, Impact of rhizobial inoculation and nitrogen utilization in plant growth promotion of maize (*Zea mays* L.), **Nusantara Bioscience**, 5(1): 8-14, 2013.

#### BOOK CHAPTERS PUBLISHED

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- **Malik N**, Bacteriology, In: Sharma A, Kumar GG and Yadav M, (Eds.), Medical Microbiology, Berlin, Boston: **De Gruyter**, Chapter 2: 11-50, **2022**. ISBN: 9783110517736 Chapter DOI: 10.1515/9783110517736-002
- Dhuldhaj UP, **Malik N** and Shirsat SD, Microbial synthesis of nanomaterials: future prospects and challenges, In: Shende SS et. al., (Eds.), Microbial Synthesis of Nanomaterials, **Nova Science Publishers**, Inc., Chapter 15: 337-355, **2021**. ISBN: 978-1-53619-896-6
- Dhuldhaj UP and **Malik N**, Effect of Biohazard waste and e-waste on Environment and mankind, In: Human Environment Interactions: The way people affect the environment (**2022**; in process)

#### PAPERS PRESENTED IN SYMPOSIA/CONFERENCES

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- Gaur S, **Malik N**, Singh NP, Singh S and Singh RK, Effect of inoculation of bacterial endophytes on growth of maize (*Zea mays* L.) plant in presence of nitrate, International Conference on role of Biomolecules in Food security and Health improvement and XI silver jubilee convention of the Indian Society of Agricultural Biochemists, February 17-20, pg120, 2010.
- **Malik N**, Singh S and Singh RK, Functional dynamics of 1-aminocyclopropane-1-carboxylate deaminase in plant growth promoting rhizobacteria, International symposium

on recent advances in cross-disciplinary microbiology: Avenues and challenges and International workshop on r RNA sequencing, phylogeny and Next Generation genome Sequencing, 51st Annual conference of Association of Microbiologists of India (AMI), December 14-17, pg325, 2010.

### **BEYOND CURRICULLUM**

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- Active member in Institute level scientific seminars, cultural and technical festivals.
- Acquired a consolation prize in an Inter College Essay Competition by Rotary Club, Varanasi and Executed responsibilities as a Student Convener for B.Sc. Group (2005-06) at college.

### **PERSONAL DOSSIER**

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Date of Birth : 15<sup>th</sup> November 1985

Address : C/O Shri Manish Kumar, B1302 Ellora Siddhi, Plot no. 27, Sector 11, CBD-Belapur, Navi Mumbai

### **DECLARATION**

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I hereby affirm that the information provided in this document is accurate and true to the best of my knowledge.

Place: Navi Mumbai

Namrata Malik