


# Curriculum Vitae

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|---|--|-----------------------------|-----------------------------|---|
| <b>Full Name:</b>   | DR. RAHUL KUNWAR SINGH   |                             |                             |  |
| <b>Designation:</b>   | Assistant Professor  |                             |                             |   |
| <b>Department:</b>  | Microbiology   |                             |                             |   |
| <b>Campus:</b>  | Srinagar Campus  |                             |                             |   |
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| <b>Email</b>  | rksingh.hnb@gmail.com  |                             |                             |   |
| <b>Education Qualification:</b>   | Ph.D. (Applied Microbiology) Banaras Hindu University- 2012  |                             |                             |   |
| <b>Teaching Experience:</b>   | 06 Years   | <b>Research Experience:</b> | 11 Years                    |   |
| <b>Research Interest and Fields of Specialization</b>   |  |                             |                             |   |
| <ol style="list-style-type: none"> <li>1. Cyanobacterial Biotechnology</li> <li>2. Antimicrobial Resistance</li> <li>3. Bioactivity of Natural products</li> <li>4. Plant growth promoting bacteria</li> </ol>              |  |                             |                             |   |
| <b>Honours &amp; Awards</b>   |  |                             |                             |   |
| <ol style="list-style-type: none"> <li>1. <b>Young Scientist Award</b> by Samaj Vikas Sansthan, Merrut in October 2013</li> <li>2. <b>ICMR-SRF</b> in January, 2011.</li> <li>3. <b>UGC-JRF</b> in October, 2009</li> </ol> |  |                             |                             |   |
| <b>Member of Academic Institutions</b>  |  |                             |                             |   |
| <b>Membership of Scientific Organizations</b>   |  |                             |                             |   |
| 1. Life Member & <b>Secretary</b> , Srinagar Garhwal Unit, Association of Microbiologists of India,,  |  |                             |                             |   |
| <b>Research Supervision (No. of Ph.D. Degree Registered)- 02</b>  |  |                             |                             |   |
| <b>Research Projects/ MoU undertaken</b>  |  |                             |                             |   |
| <b>Sr. No.</b>  | <b>Title of the project</b>  | <b>Sponsoring Agency</b>    | <b>Amount in (Rs.) lakh</b> | <b>Status</b>   |
| 1   | Screening of thermophillic cyanobacteria containing nonribosomal peptide synthetase gene clusters for their antimicrobial activity.      | <i>UGC</i>                  | 06                          | Completed   |
| 2   | Cyanobacterial biodiversity along the physico-chemical gradients in hot water springs of Arunachal Pradesh and their bioactive potential | <i>DBT</i>                  | 08                          | Completed   |
| <b>Administrative Experience</b>  |  |                             |                             |   |
| <ol style="list-style-type: none"> <li>1. Assistant Director, Faculty Development Centre, HNB Garhwal University</li> <li>2. Invited Member, Board of Studies, Botany &amp; Microbiology, HNBGU</li> </ol>                  |  |                             |                             |   |
| <b>Scientific Visits Abroad/ International Collaboration</b>  |  |                             |                             |   |
| <b>Conference/Symposium/Workshop Attended during last five years (2014-2019)</b>  |  |                             |                             |   |
| <b>International</b>  |  |                             |                             |   |
| <b>National</b>   |  |                             |                             |   |
| <ol style="list-style-type: none"> <li>1. Invited lecture (<b>Foldscope: revolution in field of microscopy</b>) in DST Inspire Science Internship Camp at HNBGU on Jan 22, 2019</li> </ol>                                  |  |                             |                             |   |

2. Invited lecture (**UGC Regulations, 2018**) in Orientation Program on September 18, 2018 at FDC, HNBGU.
3. Invited lecture (**Use and Applications of Foldscope**) in workshop on 'Communication skills and Scientific Temperament' on July 31, 2018 at FDC, HNBGU.
4. Invited lecture (**How to write a research article**) in Induction Training of Faculty on June 11, 2018 at FDC, HNBGU.
5. Invited lecture (**Microbes: powerful players to serve humanity**) in NSS Camp at HNB Garhwal University on February 11, 2018.
6. Invited lecture in National Workshop on Research Methodology for Ph.D. students in Social Sciences (**Scientific paper writing**) on February 14, 2015 at HNB Garhwal University, Srinagar Garhwal, India.
7. Invited lecture in DST Inspire Science Internship Camp at HNBGU on Nov. 24, 2014 (**Microbes: Applications & analyses- For 10+2 students**)
8. Keynote speech (**Microalgae: potential agent for carbon sequestration and biofuel production**) in National Seminar on Climate change and Environmental threat to Public health and sustainable agriculture held on August 30-31, 2014 at Sunbeam College for Women, Varanasi.
9. Invited lecture in DST Inspire Science Internship Camp at HNBGU on Jan 24, 2014 (**Microbes: powerful player in our life- For 10+2 students**)
10. Invited lecture at Dolphin PG Institute of Biomedical and Natural Sciences, Dehradun. (**Extremophilic Microorganisms**) in September 2014.

#### **Conference/Symposium/Workshop Organized during last five years (2014-2019)**

1. National Conference on "Microbes in Extreme Environments: Diversity and Translational Applications" (MEEDTA 2015) during October 30-31, 2015.
2. One Day University level Conference on occasion of World Tuberculosis Day on March 24, 2018.

#### **Publications during last five years (2014-2019)**

##### **Journals**

1. Molecular modeling and docking studies on oxa-10 enzyme of *Acinetobacter baumannii*. **Singh RK**, Mishra S, Singh VK, Mohapatra TM. **J. Pharm. Res.** 11(4): 352-358, (2017).
2. Characterization of cyanobacterial isolates having non ribosomal peptide synthetase gene clusters from tropical environment. **Singh RK**, Tiwari SP, Mohapatra TM. **Trends in Biosciences** 8(18): 4841-4847, (2015).

##### **Book Chapters**

1. Microalgae: potential agent for carbon dioxide mitigation. Singh P, **Singh RK**, Kumar D. In: Microbes for Climate Resilient Agriculture. Eds. Kashyap PL, Srivastava AK, Kumar S, Tiwari SP. John Willey & Sons, USA, (2018).
2. From Leuwenhoek to Craig Venter. **Singh RK**, Sharma R, Tiwari SP. In: Recent Advances in Microbiology Vol 3. Eds. Tiwari SP, Sharma R, Gautam NC. Nova Science Publishers, Inc. New York, USA, (2018).
3. Cyanobacteria: a new terminus for anti-infectious agents. Tyagi S, Singh P, **Singh RK**. In: Micro-algae for sustainable future. Eds: Abraham G, Kumar N, Tripathi KN. Nova Science Publishers, Inc. New York, USA, (2018).

**Total Number of Research Publications: 24**