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| <b>Dr. Priyanka Khati</b>        |   |
| <b>Qualification</b>             | PhD (Microbiology)  |
| <b>Specialization</b>            | Agriculture Microbiology  |
| <b>Department</b>                | Microbiology  |
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| <b>Contact Number</b>            | 7252995683  |
| <b>Research Experience</b>       | 6 Months  |
| <b>Current Research Projects</b> | None (undergoing 7 month Training)  |
| <b>Area of Interest</b>          | Application of nanocomposites in bioformulations to enhance nutrient and water use efficiency   |
| <b>Publications</b>              | <ol style="list-style-type: none"> <li>1. <b>Priyanka Khati</b>, Anita Sharma, Saurabh Gangola, Rajeew Kumar, Pankaj, Govind Kumar (2017). Impact of some agriusable nanocompounds on soil microbial activity: an indicator of soil health. <i>Clean Soil Air Water</i>. <a href="http://doi.wiley.com/10.1002/clen.201600458">http://doi.wiley.com/10.1002/clen.201600458</a></li> <li>2. <b>Priyanka Khati</b>, Parul, Saurabh Gangola, Pankaj, Anita Sharma. (2017). Nanochitosan induced growth of <i>Zea Mays</i> with soil health maintenance. <i>3 Biotech</i>. doi10.1007/s13205-017-0668-y</li> <li>3. <b>PriyankaKhati</b> (2017). Nanoparticles as antimicrobial agents against medically important</li> </ol> |

pathogens. *International J of Applied Pharmaceutical and Biological Research*. 2(2): 56- 66.

4. **Priyanka Khati**, Parul, Pankaj Bhatt, Nisha, Rajeew Kumar and Anita Sharma. (2018). Effect of nanozeolite and plant growth promoting rhizobacteria on maize. *3 Biotech*. 8:141
5. Pankaj, Geeta Negi, Saurabh Gangola, **Priyanka Khati**, Anjana Srivastava, Anita Sharma (2015): Optimization of Sulfosulfuron Biodegradation through Response Surface Methodology using Indigenous Bacterial Strain Isolated from Contaminated Agriculture Field. *Int. J. Curr. Microbiol. App. Sci*. 4(8): 105-112.
6. Pankaj Anita Sharma, **Priyanka Khati**, Govind Kumar, Saurabh Gangola, Anjana Srivastava (2015) : Novel Pathway of Cypermethrin Biodegradation In a *Bacillus* sp. Strain SG2 Isolated From Cypermethrin Contaminated Agriculture Field. *3 Biotech*. 6(1). doi 10.1007/s13205-016-0372-3
7. Pankaj, Geeta Negi, Saurabh Gangola, **Priyanka Khati**, Anjana Srivastava, Anita Sharma. (2016). Differential expression and characterization of cypermethrin degrading potential proteins in *Bacillus thuringiensis* strain SG4. *3 Biotech*. 6. doi 10.1007/s13205-016-0541-4
8. Saurabh Gangola, Pankaj, **Priyanka Khati**, Anita Sharma (2015): Mycoremediation of Imidaclopid in

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|                         | <p>the presence of different soil amendment using <i>Trichoderma longibrachiatum</i> and <i>Aspergillus oryzae</i> isolated from pesticide contaminated agricultural field of Uttarakhand. <i>Journal of Bioremediation and Biodegradation</i>. 6: 310. doi:10.4172/2155-6199.1000310</p> <p>9. Saurabh Gangola, Anita Sharma, Pankaj Bhatt, <b>Priyanka Khati</b> and Parul Chaudhary. (2018). Presence of esterase and laccase in <i>Bacillus subtilis</i> facilitates biodegradation and detoxification of cypermethrin. <i>Scientific Reports</i>. 8: 12755.</p> |
| Awards                  | <ol style="list-style-type: none"> <li>1. CSIR UGC NET JRF 2013 (174 Rank)</li> <li>2. GATE 2015 (22 rank)</li> <li>3. Uttarakhand state Eligibility Test (USET) in 2015</li> <li>4. ICAR National Eligibility Test (NET) in 2014</li> </ol>   |
| Membership of Societies | Life member of Association of Microbiologists of India (AMI)   |