

	<p>DR. ABHISHEK WALIA Assistant Professor Department of Microbiology College of Basic Sciences CSKHPKV Palampur-176062. HP. India Contact No: (+91)9815358847, (+91)7018410272 Email: sunny_0999walia@yahoo.co.in; abhishek@hillagric.ac.in Orcid id: https://orcid.org/0000-0002-6152-775X Google Scholar: scholar.google.co.in/citations?user=4z1GYK0AAAAJ&hl=en Research gate: https://www.researchgate.net/profile/Abhishek-Walia-2</p>															
Field of Specialization and Research Interest	<p><i>Agricultural and Environmental Microbiology</i></p> <ul style="list-style-type: none"> • Bioprospecting plant growth promoting bacteria as Biofertilizers and Biocontrol agents for sustainable agriculture. • Mining halophilic plant growth promoting bacteria from halophytes for their role in growth and salt stress tolerance mechanism for sustainable plant health. • Deciphering the role of microbes present in cow dung and bioformulations of different breeds in organic and natural farming system and elucidating their mechanism for better plant health and disease management. • Use of waste biomass for production of green energy and industrially important enzymes. 															
Educational Qualification	Ph.D Microbiology															
Employment Record along with Professional Experience (in years)																
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Research Projects Handled/Ongoing	As PI: 1 As Co-PI: 2															
Research Publications	Total Publications in Journals: 50															
<p>Five Best Publications:</p> <ol style="list-style-type: none"> 1. Walia A, Mehta P, Chauhan A, Kulshrestha S and Shirkot CK. 2014. Purification and characterization of cellulase- free low molecular weight endo β-1, 4 xylanase from an alkalophilic <i>Cellulosimicrobium cellulans</i> CKMX1 isolated from mushroom compost. <i>World Journal of Microbiology and Biotechnology</i>. 30: 2597-2608. Impact Factor: 4.253/ NAAS Rating: 10.25 2. Walia A, Mehta P, Guleria S and Shirkot CK. 2015. Modification in the properties of paper by using cellulase-free xylanase produced from alkalophilic <i>Cellulosimicrobium cellulans</i> CKMX1 in biobleaching of wheat straw pulp. <i>Canadian Journal of Microbiology</i>. 61: 1-11. Impact Factor: 3.226/NAAS Rating: 9.22 3. Guleria S, Walia A, Chauhan A and Shirkot CK. 2016. Molecular characterization of alkaline protease of <i>Bacillus amyloliquefaciens</i> SP1 involved in biocontrol of <i>Fusarium oxysporum</i>. <i>International Journal of Food Microbiology</i>. 232:134-143. Impact Factor: 5.911/ NAAS Rating: 11.91 4. Bhatia RK, Sakhuja D, Mundhem S, Walia A. 2020. Renewable Energy Products through Bioremediation of Wastewater. <i>Sustainability</i>. 12, 7501: 1-24. Impact Factor: 3.889/ NAAS Rating: 9.88 5. Putatunda C, Behl M, Solanki P, Sharma S, Bhatia SK, Walia A, Bhatia RK. 2022. Current challenges and future technology in photofermentation-driven biohydrogen production by utilizing algae and bacteria. <i>International Journal of Hydrogen Energy</i>. Impact Factor: 7.139/ NAAS Rating: 13.139 																
Books published/Book Chapters/ Manual (Teaching/Trainings)	Books: 2; Book Chapters: 16; Manuals: 2															
Conference/Seminar/Symposium papers	40															

Extension activity including Popular articles/pamphlets/leaflets	Delivered 05 Lectures to University and School students
Students Guided	PG: 22 (Currently guiding 2 M.Sc Students) Ph.D: Nil
Awards/Fellowships	<p>Best Three Awards:</p> <ul style="list-style-type: none"> • Best Publication Award- 2012 by Society for Advancement of Human and Nature. Dr. YS Parmar University of Horticulture and Forestry. Solan. HP. • University Merit Scholarship during M.Sc programme. • Inspire Fellowship by DST, Govt. of India. • Gold Medal in Ph.D (Microbiology) “Awarded by Himotkarsh Sahitya Sanskriti Avam Jan-Kalyan Parishad, Una. HP.
International Exposure/Visits Abroad	Nil
Miscellaneous achievements/activities	<ul style="list-style-type: none"> • Editor: Open Life Sciences • Associate Editor- Frontiers of Microbiotechnology Journals • Review Editor-Pantnagar Journal of Research • Editorial Board Member- Journal of Pure and Applied Microbiology, Acta Scientific Microbiology, International Journal of Microbiology and Biotechnology etc. • Reviewer of following Journals- 3 Biotech, Agriculture and Food Security, Brazilian Archives of Biology and Technology, International Journal of Biological Macromolecules, Journal of Basic Microbiology, Heliyon, Geomicrobiology Journal, Letters in Applied Microbiology, Sustainable Energy Technologies and Assessments, Biomass Conversion and Biorefinery, Journal of Applied Microbiology, All Life, Access Microbiology, Journal of Parasitology Research, Environmental Science and Pollution Research, Microbiology Journal, Biocatalysis and Agricultural Biotechnology, Environmental Science and Pollution Research, Biotechnologia, Chiang Mai University Journal of Natural Sciences, Frontiers of Microbiology, Journal of Genetic Engineering and Biotechnology. • Qualified National Eligibility Test • Google Scholar Citations: 1573, h-index: 22, i10-index: 33 • NCC ‘B’ and ‘C’ certificate • Membership of Society: Asian Council of Science Editors, Microbiology Society England, American Society of Microbiology, SADHNA Society Solan (HP)