


Title	Dr.	First Name	Arun	Last Name	Bhatt	
Designation	Associate Professor					
Dept. Name	Biotechnology					
Address:	Department of Biotechnology, GBPIET, Ghurdauri, Pauri Garhwal-UTTARAKHAND					
Phone No.	9634794563,8279868560					
Email	mailarunbhatt@gmail.com			arun.bhatt@rediffmail.com		
Web Page (if any)						
Subjects Taught	Genetics, Research Methodology and IPR, Biotechnology & Entrepreneurship Development, Biodiversity and Conservation, Cell and Tissue Culture Technology, Plant Biotechnology, Genetic Engineering, Medicinal Plant Biotechnology, Genomics and Proteomics,					
Areas of Interest/Specialization	Genetics & Plant Breeding, Genetic Engineering and Molecular Biology,					
Experience (in years)	Total	19				
	Industry	-				
	Teaching	17				
	Research	2				
Educational Qualifications	UG	G.B.P.U.A.T, Pantnagar US Nagar Uttarakhand				
	PG	G.B.P.U.A.T, Pantnagar US Nagar Uttarakhand				
	Doctorate	G.B.P.U.A.T, Pantnagar US Nagar Uttarakhand				
	Any other	National Eligibility Test (NET)				
Research Publications in Journals	<ol style="list-style-type: none"> 1. Ram Babu, Dharendra Fartyal, Vijay Sheri, Panditi Varakumar, Bhabesh B Donald James, Renu Yadav, Arun Bhatt, Pawan K. Agrawal, 2019. Characterization of <i>phoA</i>, a Bacterial Alkaline Phosphatase for Phi Use Efficiency in Rice Plant. <i>Frontiers in Plant Science-Plant Biotechnology</i>. DOI: https://doi.org/10.3389/fpls.2019.00037 2. Bist Anajy, Bhatt Arun, Jyoti Bhim and Singh Piyusha. 2018. Studies on Morphological and Seed Quality Parameters in Buckwheat (<i>Fagopyrum esculentum</i>) Germplasm. <i>International Journal of Bio-resource and Management</i>. pp049-054 3. Bist Anajy, Bhatt Arun, and Singh Piyusha. 2018. Studies on variability, correlation and path coefficient analysis for seed Yield in buck wheat (<i>Fagopyrum esculentum</i>) germplasm. <i>Journal of Pharmacognosy and Phytochemistry</i>. pp35-39 					

4. Sharma Pramod, **Bhatt Arun** and Jyoti Bhim. 2018 .Effect of See Bioprim Microbial Inoculants on Plant Growth, Yield and Yield Contributing Characters of Soybean (*Glycine max*(L)) Merrill. *International Journal on Economic Plants*. 5(2)
5. Maffooz Mohd, Dwedi Sushmita, **Bhatt Arun**, Raghuvanshi Sharad, Bhatt M Agarwal Pavan Kumar. 2017. Evaluation of Antifungal and Enzymatic Potential of Endophytic Fungi Isolated from *Cupressus torulosa* D. Don. *International Journal of Current Microbiology and Applied Sciences*. 6(8):4084-4100
6. Shivangi Negi, **Bhatt Arun** and Kumar Vineet. 2017. Character association analysis for yield and its related traits in Finger millet (*Eleusine coracana* (L) genotypes). *Journal of Applied and Natural Science*. 9(3):1624-1629
7. Negi Shivangi, Kumar Vineet and **Bhatt Arun**. 2017. Morphological Characterization and Genetic Analysis of Finger Millet (*Eleusine coracana* (L) Germplasm). *International Journal of Bioresource and Stress Management*. 8(3):
8. Arya Rinkey, **Bhatt Arun**, Kumar Vineet and Singh Divya Prakash. 2017. Character analysis of some growth, yield and quality parameters of barnyard Millet (*Echinochloa frumentacea* (Roxb.) Link) Germplasm. *Journal of Pharmacognosy and Phytochemistry*. 6(5):1426-1429
9. Negi Shivangi, Kumar Vineet and **Bhatt Arun**. 2017. Genetic Diversity among Finger Millet (*Eleusine coracana* (L) Gaertn) Genotypes for Yield and Its Contributing Traits. *International Journal of Current Microbiology and Applied Sciences*. 6(8):4084-4100 {ISSN:2319-7706}
10. Purohit Sumit, Nandi S.K. and **Bhatt Arun**. 2016. Propagation of *Zanthoxylum armatum* DC: An important Himalayan medicinal plant. *Science and Technology of Uttarakhand*. 7(2):19-27
11. Rajput Kavish, **Bhatt Arun**, Agarwal Pavan Kumar. 2016. Plant Mediated Biosynthesis, Characterization and Application of Silver Nano Particles by Leaf Extract of *Cupressus torulosa*. *International Journal of Advanced Research*. 4(7) .1199-1207
12. Rawat Laxmi, Nagaraja A. and **Bhatt Arun**. 2016. First Record of Leaf Blast of Millet (*Panicum sumatrense* Roth ex Roemer and Schultes) from Mid Uttarakhand. *Journal of Mycopathological Research* 54(1):145-147
13. Jyoti Bhim, **Bhatt Arun** and Shukla Arvind. 2015. Impact of Fungicide on seed yield and quality parameters in Triticum Aestivum (L.) CV-365. *J. Env. Bio-Sci.* 29(2):311-313.
14. Agarwal Shruti, **Bhatt Arun**, Rai Sumit Kumar, Agarwal Kumar. 2015. Physicochemical and Microbiological Analysis of Ganga Water with special reference to bioremediation. *Octa Journal of Environmental Research*. 3(4):290-301
15. Kumar Vineet, Jyoti Bhim, **Bhatt Arun** and Shukla Arvind. 2015. Screening of Amaranth Lines for seed quality parameters. *Annals of Plant and Soil Research*. 17(Special issue):37-39
16. Baunthyal Mamta, **Bhatt Arun** and Ranghar Shewta. 2014. Fluorides and its effect on plant metabolism. *Journal of Agricultural Technology*. Vol. 10(1):1-27.
17. Purohit S, Bhatt I.D. , **Bhatt A.** and Nandi S.K. 2014. *Zanthoxylum armatum*: An Important Medicinal Plant of Uttarakhand. *ENVIS Bulletin on Himalayan Ecology* pp35-39
18. Jain Saurabh, **Bhatt Arun**. 2013. Proteomic Analysis of Diversified Extremophiles of *Pseudomonas* in the presence of Cadmium. *Agric Res*, Springer

	<p>19. Jain Saurabh, Bhatt Arun. 2013. Molecular and in situ characterization of cold resistant diversified extremophilic strains of <i>Pseudomonas</i> for their bioremediation potential. <i>3 Biotech</i>, Springer</p> <p>20. Singh Bhagat, Bhatt Arun. 2013. Phytosociology, Phenology and winter fall pattern of alpine forest community of Uttarakashi Forest Division (Uttarakhand). <i>Archives of Pharmacy and Biological Sciences</i>. pp66-72.</p> <p>21. Bhatt Arun (2013). Documentation of Ethno-veterinary Practices Used for the Treatments of different Ailments in Garhwal Himalayan Region. <i>J Environ Nanotechnolgy</i>. Vol (2) pp22-29</p> <p>22. Bhatt Arun and D.C. Baskheti (2011). Combining ability studies for green forage yield and its component characters in Sorghum (<i>Sorghum bicolor</i> L. Moench) through diallel analysis. <i>Pantnagar Journal of Research</i>. Vol.9 (1) pp57-60</p> <p>23. Bhatt Arun and Mamta Baunthiyal (2010). Ethno-botanical Uses of Plants for curing various ailments and Ailments in Human Being by People of Pauri Garhwal. <i>Journal of Mountain Research</i>. Vol.5 pp 129-139</p> <p>24. Bhatt Arun, N. Singh (2009). Studies on Estimation of Genetic Diversity in Hybrid Sorghum Parental Lines using RAPD Markers. <i>Journal of Mountain Research</i>. Vol-4 pp.122-125</p> <p>25. Bhatt Arun (2008). Genetic architecture for seed yield and its components in Indian Sorghum (<i>Brassica juncea</i> (L.) Czern and Coss). <i>Journal of Mountain Research</i> vol-3.155-165.</p> <p>26. Bhatt Arun. (2008). Studies on heterosis and Inbreeding Depression in Forage Sorghum [<i>Sorghum bicolor</i> (L.) Moench] <i>Agriculture Science Digest</i>. 28(4):258-261</p> <p>27. Sen Dhiman, Bhatt Arun and Kar Sourav Chandan. (2005). <i>Tulaipanji</i>- An Indigenous Rice Genotype of West Bengal. <i>Asian-Agri-History</i>. Vol.9.No.2. April-June pp 153-155</p> <p>28. Baskheti D.C. and Bhatt Arun (2005). Genetic Analysis for yield and yield components in seven crosses among Sorghum (<i>Sorghum bicolor</i> L. Moench) in to Sudan grass (<i>Sorghum sudanense</i>). <i>International Journal of Agriculture Sciences</i> 1(1):7-10.</p> <p>29. Bhatt Arun, and Singh Vikram (2005). Genetic Divergence for Qualitative and Quantitative characters in Sorghum (<i>Sorghum bicolor</i> L. Moench). <i>Forage Research</i> (4):231-232.</p> <p>30. Bhatt, Arun, and Baskheti, D.C. (2005). Studies on Variation for Yield and Stem Borer (<i>Artellus</i> (Swinhoe)) Resistance in Sorghum (<i>Sorghum bicolor</i> L. Moench). <i>Pantnagar Journal of Research</i>. 2(2):36-38</p> <p>31. Baskheti, D.C. and Bhatt, Arun, (2005). Evaluation of Forage Sorghum Hybrids for Resistance against Shoot Fly (<i>Atherigona soccata</i> (Rondani)). <i>Pantnagar Journal of Research</i> 2(2):29-32</p> <p>32. Bhatt, Arun and Singh, Rameshwar (2003). Association between Stem Borer (<i>Artellus</i> (Swinhoe)) incidence and Sweet Stalks in Sorghum (<i>Sorghum bicolor</i> L. Moench). <i>Environment</i>. October-December, 9(3):131-132</p> <p>33. Bhatt, Arun (2003). Preliminary Screening of Fodder Sorghum Genotypes for Resistance against Shoot fly (<i>Atherigona soccata</i> Rondani). <i>Insect Environment</i>. April-June. 9(1):32</p>
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Papers Published in Conference Proceedings	<p>1. Bhatt Arun, Negi Shivangi and Arya Rinkey. 2015. Traditional Crops of Uttarakhand Hills for Sustainable Natural Resource Management and Development. <i>Proceedings of National Conference on Recent Advances in Mechanical Engineering</i> (NCRAME-2015). pp84-100 { ISBN:978-93-84869-38-0}</p> <p>2. Bhatt Arun, Bahuguna Abhishek, Chaubey Brijesh Kumar and Skehar. 2013. Underutilized Crops of Uttarakhand for Sustainable Environment Conservation and Management. <i>Proceeding of National Conference on Recent Advances in Mechanical Engineering</i> (NCRAME-2013). pp33-38</p> <p>3. Chandra Shekhar, Bhatt Arun, Chaubey and Trivedi Himanshu. 2013. Biofortification of Sorghum: An environment affable and energy prospective substitute for</p>
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	<p>lubricants.<i>Proceeding of National Conference on Recent Advances in Mechanical Engineering(NCRAME-2013).</i>pp55-56.</p> <p>4. Bhatt Arun and Singh N.(2008).Organic Farming and other Approaches for Revolutinizing Agriculture in Uttarakhand Hills. <i>Proceedings of National Conference on Appropriate Technologies for Hills(ATH-2008).</i>pp369-377.</p> <p>5. Bhatt Arun and Singh N.(2008) Alternate Energy Sources in an Educational Institution of Uttarakhand-A Case Study. <i>Proceedings of National Seminar on Recent Trends in Renewable Energy Sources & Technologies (RREST).</i>pp</p>		
<p>Books Authored/Book Volume Chapters</p>	<p>Books Authored:</p> <ol style="list-style-type: none"> 1. Rathour Ashok Kumar,Bhatt Arun, Bharti Pawan and Harish.2021.Industrial and Environmental Biotechnology.<i>Discovery Publishing House Pvt.Ltd</i>,New Delhi.www.discoverypublishinggroup.com.pp 222.ISBN:978-93-88854-60-3 2. Rathour Ashok Kumar,Bhatt Arun, Srivastava Ashish and Kalpana.2018.Essentials of Microbiology.<i>Brillion Publishing</i> Delhi,www.brillionpublishing.com.pp1-662. ISBN:978-81-93404-63-8} 3. Rathour Ashok Kumar,Bhatt Arun, Verma Shalini and Gupta Jyoti.2018.Basics of Molecular Biology. <i>Brillion Publishing</i>,New Delhi,www.brillionpublishing.com.pp1-354. ISBN:978-81934682-10} <p>Book Volume Chapters:</p> <ol style="list-style-type: none"> 1. Bhatt Arun,Kumar Ajay,Rai Sumit,Dangwal Pranshu,Yamini Bamola Swati Goswami.Bioinformatics Tools and Techniques for Harnessing the Potential of Medicinal Plants 2020. <i>Recent Advancements in Sciences with Special References to Himalaya</i> Ancient Publishing House New Delhi.ISBN-978-93-84866-xx-x 2. Bhatt Arun ,Agarwal Pavan Kumar.2018. Effect of Climate Change on Agriculture: Indian Perspective Disaster Management, Corporate Social Responsibility and Conservation Issues pp61 { ISBN978-81-7993-659-7} 3. SemwalChandra Satish,Gusain Yogendra Singh,Bhatt Arun.2020.Hyperaccumulation Plants and Environmental Pollution. <i>Microbial Biotechnology: Environmental Monitoring and Clean up</i> .pp(305-17). { ISSN:2326-9162} 4. Bhatt Arun, Prasad Birendra and Bahuguna Abhisek .2013.Successfull Information Technology(IT) for Agriculture and Rural Development. <i>Conservation Agriculture: The New Paradigm</i>.pp253-278{ISBN:978-81-7622-289-1} 5. Bahuguna Abhisek,Prasad Birendra and Bhatt Arun.2013.Seed Dormancy and Germination as Influenced by Hormonal Interaction.<i>Conservation Agriculture: The New Paradigm</i>.pp 279-304{ISBN:978-81-7622-289-1} 6. Bhatt Arun, Naithani B.P.and Thapliyal G.P.(2006).Conservation of Endemic Medicinal Plant Genetic Resources of Garhwal Himalaya. <i>Appraisal,Technology Application and Environmental Challenges in Himalaya(Volome-II)</i>.pp292-294{ISBN 81 902751 7 8} 		
<p>No. of Conferences</p>	<p>National</p> <hr/> <p>International</p>	<p>Attended</p> <hr/> <p>5</p>	<p>Organized</p> <hr/> <p>-</p>

Research Guidance	Awarded	PG	Doctorate
		16	4
	Undergoing	-	2
Research Projects	Completed	-	
	Undergoing	-	
Awards & Distinctions	Young Scientist Award by Uttarakhand Council for Science and Technology(UCOST), Dehradun		
Administrative Assignments Handled	Warden (Boy & Girl Hostel),Member of Board of Studies, Officer In charge Horticulture & Solid Waste management,		
Association with Professional Bodies	Indian Science Congress Association, Kolkata Indian Society of Genetics and Plant Breeding		
Any other Achievements	PG, Ph D Thesis Evaluator, paper setter, Subject Expert and external examiner in Panel of different public and private sector universities across India		