Title Dr	First Nam e	Pavan		Last Name	Agrawal
Designation	Associate Professor				
Dept. Name	Biotechnology				
Address:	G. B. Pant Institute of Engineering & Technology, Pauri, Garhwal, Uttarakhand				
Phone No.	9410704377				
Email	1.p_k_a m	agarwal@r	rediffmai	il.co	2.pavan78agrawal@gmail.com
Web Page (if any)				·	
Subjects Taught	Microbiology, Microbial Technology, Immunology, Genetics, Cell and Tissue Culture, Animal Biotechnology, Vaccine technology, Environmental Biotechnology				
Areas of Interest/Specializatio n			logy, Agı	iculture F	Biotechnology, Environmental
Experience (in years)	Total		22		
	Indust	ry	NA		
	Teachi	ng	18		
	Resear	ch	14		
Educational Qualifications	UG		Zoology	, Botany,	Chemistry
2	PG		Microbio	ology	
	Doctor	ate	Biotechnology		
	Any ot	ner	NET Qu	alified	
Research Publications in Journals					
	 Agrawal PK, Upadhyay P, Shrivastatava, R, Sharma S, Garlapati, VK (2021 Evaluation of the Ability of Endophytic Fungi from <i>Cupressus torulosa</i> to Decolorize Synthetic Textile Dyes. Journal of Hazardous, Toxic, and Radioactive Waste. 25(1), 10.1061/(asce)hz.2153-5515.0000569 Bhatt A, Agrawal PK (2018) Studies on Ethno-veterinary Usages of Medicina Plants by People in Garhwal Himalayan Region-A boon to Animal Husbandry Journal of Pharmacognosy and Phytochemistry SP5: 149-153 Agrawal S, Bhatt M, Rai SK, Bhatt A, Dangwal P, Agrawal PK (2018) Silver nanoparticles and its potential applications: A review. Journal of Pharmacognosy and Phytochemistry 2018; 7(2): 930-937 				

4. Rajput K, Agrawal S, Sharma J, Agrawal PK(2017) Mycosynthesis of silver
nanoparticles using endophytic fungus Pestalotiopsis versicolor and
investigation of its antibacterial and azo dye degradation efficacy.
KAVAKA49: 65-71
5. 1 Chanyal S, Agrawal PK (2017) decolorization of textile dye by laccase from
newly isolated endophytic fungi <i>daldinia</i> sp. Kavaka (Published): 48(1): 33-
41
6. Mahfooz M, Dwedi S, Bhatt A, Raghuvanshi S, Bhatt M, Agrawal PK, (2017
) Evaluation of Antifungal and Enzymatic Potential of Endophytic Fungi
Isolated from Cupressus torulosa D. Don. Int.J.Curr.Microbiol.App.Sci. 6(7):
4084-4100
7. Kundan R , Raghuvanshi S, Bhatt A, Bhatt M, Agrawal PK(2017) Toluene
Degrading Bacteria from the Rhizosphere of Solanum melongena Contaminated
with Polycyclic Aromatic Hydrocarbon. Int.J.Curr.Microbiol.App.Sci 6(4):
2060-2079
8. Rajput K, Raghuvanshi S, Bhatt A, Rai SK, Agrawal PK(2017) A Review on
Synthesis Silver Nano-Particles. Int.J.Curr.Microbiol.App.Sci 6(7): 1513-1528
9. sharma D, Pramanik A, Agrawal PK (2016) Evaluation of Bioactive secondary
metabolites from endophytic fungus Pestalotiopsis neglecta BAB-5510 isolated
from leaves of Cupressus torulosa D.Don. 3biotech. 6(210): 1-10.
10. Verma J, A Bhatt, Agrawal PK (2016) In-vitro study on bioaccumulation and
tolerance of heavy metals by endophytic fungi Alternaria alternata isolated from
Cupressus torulosa D.don. Octa Journal of Environmental Research 4(2)-
146:154
11. Bisht R, Bhatt A, Agrawal PK(2016) Antimicrobial, Antioxidant Activity and
Phytochemical Analysis of An Endophytic Fungi Penicillium oxalicum Isolated
from a Gymnosperm Tree Cupressus torulosa D.Don.Of Garhwal Region.
International Journal of Science, Engineering and Management (IJSEM).
1(2): 90-95
12. Agrawal PK, Chanyal S (2016) Prelimnary screening for laccase producing
endophytic fungi from Cupressus torulosa D.Don. International Journal of
Science, Engineering and Management (IJSEM) 1(2): 90-95
13. Rajput K, A Bhatt, Agrawal PK (2016) Plant mediated biosynthesis,
characterization and application of silver nanoparticles by leaves extract of
Cupressus torulosa. International Journal of Advanced Research. 4(7): 1199-1207
14. Rajput K, Chanyal S , Agrawal PK (2016) Optimization of protease
production by endophytic fungus, <i>Alternaria alternata</i> isolated from medicinal
plant- <i>Cupressus torulosa</i> D.Don. WJPPS,5(7): 1034-1054.
15. Rinki Bisth, Deeksha Sharma, Agrawal PK (2016) <u>Antimicrobial and</u>
Antidiabetic Activity of Penicillium oxalicum Isolated from <i>Cupressus</i>
torulosa. International Journal of Biotechnology and Biomedical Sciences 2 (2),
119-122
16. Bisth R, Sharma D, Agrawal PK (2016) Antagonistic and antibacterial activity
of endophytic fungi isolated from Cupresus torulosa D.don. Asian Journal of
Pharmaceutical and clinical research $9(3): 282-288$.
17. Bisth R, Chanyal S, Agrawal PK (2016) Antimicrobial and phytochemical
analysis of leaf extract of medicinal fruit plants. Asian Journal of
Pharmaceutical and clinical research 9(4): 131-136.
18. Upadhyay, P., Shrivastava, R. & Agrawal, P.K. Bioprospecting and
biotechnological applications of fungal laccase. 3 Biotech 6, 15 (2016).
https://doi.org/10.1007/s13205-015-0316-3

10 Agrowals & Phott A Dai SV Agrowal DK (2015) physical and
19. Agrawala S, Bhatt A, Rai SK, Agrawal PK (2015) physiochemical and microbiological analysis of ganga water at kanpur with special reference to bioremediation. Oct. Jour. Env. Res. Vol. 3(4): 264-271
20. Bhardwaj A, Sharma D, Jodan N, Agrawal PK (2015) Antimicrobial and
Phytochemical screening of Endophytic Fungi isolated from spikes of <i>Pinus</i>
rouxburghii. Archievs of Clinical Microbiology. 6(3):1-9
21. Agrawal PK, Agrawal S(2015) In vitro antibacterial activity of methanolic
extract from some herbal plants. Journal of Biological science and scientific $O(x)$
Oppinion. $3(3)$.
22. Agrawal PK, Kundan R, Agrawal S (2015) Characterization of Pseudomonas
spp from rhizosphere of Tomato plants (<i>Lycopersicon esculentum</i>) and its
efficacy on plant growth promotion. Journal of Biological science and
scientific Opinion. 3 (3). 2
23. Agrawal PK, Agrawal S, Srivastav R(2015) Modern molecular approaches for
analyzing microbial diversity from mushroom compost ecosystem. 3 Biotech.
5(6): 853-866
24. Kundan R, Pant G, Jodan N, Agrawal PK (2015) plant growth promoting
rhizobacteria: mechanism and current prospective. Journal of fertilizer and
pesticides 6(2): 1-9
25. Bhardwaj A, Upadhyay P, Sharma D , Agrawal PK (2015) Optimization of
culture condition for amylase production by <i>Penicillium frequentans AVF2</i> .
KAVAKA. 44:45-49
26. Agrawal PK, Johri BN(2014) Phylogenetic characterization of plant growth
promoting rhizobacteria from soil of Himalayan region. Octa journal of
Biological science. 2(2):69-75
27. Agrawal PK, Agrawal S, Kundan R, Bhatt M(2014). Application and
perspective of plant growth promoting rhizobacteria in development of
sustainable agriculture. International Journal of Current Research. 6(10):
9044-9051
28. Bhardwaj A, Sharma D, Agrawal PK (2014) Isolation and Characterization of
endophytic fungi from spikes of <i>Pinus rouxburghii</i> growing in Himalayan
region. World journal of Pharmaceutical Research. 3(9): 568-579
29. Pant G, Agrawal PK (2014) Isolation and characterization of Indole Acetic
Acid (IAA) producing Plant growth promoting rhizobacteria from rhizospheric
soil of <i>Withnia somnifera</i> . Journal of biological and scientific opinion. 2(1):
45-50
30. Bhardwaj A, Agrawal PK (2014). Fungal endophytes: as a store house of
bioactive compound. World journal of Pharmacy and Pharmaceutical
science. 3(9): 228-237
31. Agrawal PK (2014) Microbial ecology of compost ecosystem: with special
reference to mushroom compost. Journal of biological and scientific opinion.
2(1): 45-50
32. Pant G, Agrawal PK, O P Jangir (2014). Influence of vitamin-A on corneal
regeneration in tadpoles. International journal of pharmaceutical and drug
analysis, 2(7): 572-576
33. Agrawal PK, Agrawal S(2013) Characterization of <i>Bacillus</i> sp. strains isolated
from rhizosphere of tomato plants (<i>Lycopersicon esculentum</i>) for their use as
potential plant growth promoting Rhizobacteria. International Journal of
Clinical and Applied Microbiology, 2(10): 406-417.
34. Agrawal PK, Agrawal S, Rai S, Chandra H(2013) Study of Genotypic
diversity of Rhizobia from legume crops and its application as a bioinoculant in
sustainable agriculture development. Asian Journal of Experimental Biology,
4 (3):437-441
4 (5):457-441

	-
	 35. Agrawal PK, Agrawal S, Singh U, Katiyar N, Verma SK (2012) Phenotypic Characterization of Rhizobia from Legumes and its Application as a Bioinoculant. International journal of agriculture technology, 8(2): 703-714 26. Agramal PK, Shruti Agramal S, Verma SK (2011) Matheda for studying
	36. Agrawal PK, Shruti Agrawal S, Verma SK(2011) Methods for studying microbial diversity from soyabean rhizosphere by phenotypic and molecular approach. Advances-in-applied-science 2(5):538-545
	37. Agrawal PK, Chaudhary DK, Prakash A, Johri BN (2011) Bacterial diversity in a bagasse-based compost prepared for the cultivation of edible mushrooms <i>Agaricus bisporus</i> . International journal of agriculture technology 7(5): 2103-2111
	38. Agrawal PK, Agrawal S, Verma SK, Singh SK, Shukla K (2011) Characterization of plant growth promoting rhizobacteria from soil of central and upper Himalayan region. <i>International journal of applied biology and</i> <i>pharmaceutical technology</i> 2(1): 363-369.
	 39. Singh AK, Singh SK, S K Verma, H.V. Singh, A.K. Mishra, Agrawal PK, A. Mathur and Md. A. Siddiqui (2011) Accumulation of Natural Antioxidants in Ferns Exposed to Mutagenic Stress. International Journal of Chemical, Environmental and Pharmaceutical Research 2(1): 52-55.
	 40. Agrawal PK, Agrawal S, S K Verma, S K Singh, Shukla K(2011)Molecular Characterization of plant growth promoting bacteria from soil of central and upper Himalayan region (Published Asian Journal of Pharmaceutical and Clinical Research, 4(1): 98-99.
	41. Mathur A, R. Bhat, G.B.K.S. Prasad, V.K. Dua, S K. Verma, Agrawal PK (2010) Antimicrobial activity of some plants traditionally used as medicines against some pathogens. <i>Rasayan Journal of Chemistry</i> 3(4):615-824.
	42. Choudhary DK, Agrawal PK, Johri BN(2009). Evaluation of functional activity of casing soil during growth cycle of mushroom Agaricus bisporus (Lange) Imbach employing community level physiological profile. <i>Indian Journal of Microbiology 50(1): 19-26</i> .
	43. Choudhary DK, Agrawal PK, Johri BN (2009) Characterization of functional activity in composted casing amendments used in cultivation of Agaricus bisporus (Lange) Imbach. <i>Indian Journal of Biotechnology 8: 97-109</i> .
Papers Published in	National Conference
Conference Proceedings	1.Upadhyay P, Agrawal PK (2019) Evaluation of endophytic fungi fromCcupressus torulosa leaves for decolourization ability of textile synthetic dyes. Poster presentation at 13th Uttarakhand State Science and Technology Congress , Dehradun dated 26-28th February, 2019
	 Agrawal PK and Deek sha Sharma (2018) evaluation of bioactive secondary metabolites from endophytic fungus Alternaria alternata bab- 5445 isolated from leaves of Cupressus torulosa d.don. Oral presentation at 12th Uttarakhand State Science and Technology Congress, Dehradun dated 7-9th March, 2018
	3. Shubham singh and Agrawal PK (20018) Evaluation of antimicrobial and phytochemical activity of edible mushroom (PLEUROTUS OSTREATUS Poster presentation at 12 th Uttarakhand State Science and Technology

 Aran Bhat and Agraval PK (2018) GENETIC STUDIES ON CORRELATION AND DIVERSITY IN FABA BEAN (VICIA FABA L). GENOTYPES UNDER MID HILL CONDITIONS OF UTTARAKHAND. Poster presentation at 12th Uttarakhand State Science and Technology Congress, Dehradun dated 7-9th March, 2018 Sumit Kr Rai, Kavish Rajput Agraval PK (2016) IN SILICO DRUG DESIGNING FOR NEISSERIA GONORRHOEAE USING DERIVATIVES OF ITS GENERIC DRUG Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS. Dehradun dated 9-11th February, 2016 Sheetal Chanyal Agraval PK (2016) BIODEGRADATION OF NAPITHALENE BY ENDOPHYTIC FUNGI ALITERNARIA ALITERNATA BAB 5446 ISOLATED FROM CUPRESUS TORULOSA D. DON Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th February, 2016 Sheetal Chanyal Agraval PK (2016) Laccase catalyzed-dye detoxification by endophytic fungi dalfinia sp.bab 5448 from Cupressus torulosa L growing in pauri, gathwal region Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 Rinky Bisht, and Agraval PK (2015) Antibacterial activity of endophytic fungi daldina SP BAB 5448 associated with Cupressus torulosa d.don. Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 Risht, and Agraval PK (2015) Antibacterial activity of endophytic fungi daldina, SP tabB 5448 associated with Cupressus torulosa d.don. Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 Garima Pant and Agraval PK (2015) Isolation and characterization of Pseudomonas spp from thizosphere of tomato plant and its efficacy on plant growth promotion. Poster presentation at 4th annual meeting on mycological society of India Punjabi University, patiyala dated 26-28 february, 2015 Akansha Bhardwaj, Deeksha Sharma, Pooja Upadhyay Ag	Congress , Dehradun dated 7-9 th March, 2018
 DESIGNING FOR NEISSERIA GONORRHOEAE USING DERIVATIVES OF ITS GENERIC DRUG Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th February, 2016 6. Sheetal Chanyal Agrawal PK (2016) BIODEGRADATION OF NAPTHALENE BY ENDOPHYTIC FUNGI ALTERNARIA ALTERNATA BAB 5446 ISOLATED FROM CUPRESUS TORULOSA D. DON Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th February, 2016 7. Sheetal Chanyal Agrawal PK (2016) Laccase catalyzed-dye detoxification by endophytic fungi daldinia sp.bab 5448 from Cupressus torulosa L, growing in pauri, garhwal region Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 8. Rinky Bisht, and Agrawal PK (2015) Antibacterial activity of endophytic fungi daldina SP BAB 5448 associated with Cupressus torulosa d.don. Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 9. Rishi Kundan, Shruti Agrawal and Agrawal PK (2015) Characterization of Pseudomonas spp from rhizosphere of tomato plant and its efficacy on plant growth promotion. Poster presentation at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 10. Garima Pant and Agrawal PK (2015) Isolation and characterization of plant growth promoting rhizobacteria from rhizosphere of medicinal plant. Poster presentation at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 11. Akansha Bhardwaj, Deeksha Sharma, Pooja Upadhyay Agrawal PK (2015) Phytochemical screening of endophytic frug isolated from spikes of <i>Pinus rousburghii</i>. Poster presentation and Prospects and 41th annual meeting on mycological scienty of endophytic fungi isolated from spikes of <i>Pinus rousburghii</i>. Poster presentation and Pagrawal PK (2014) Antimicrobial activity of endophytic fungi isolated in Workshop on Advanc	CORRELATION AND DIVERSITY IN FABA BEAN (VICIA FABA L.) GENOTYPES UNDER MID HILL CONDITIONS OF UTTARAKHAND. Poster presentation at 12 th Uttarakhand State Science and Technology
 NAPTHALENE BY ENDOPHYTIC FUNGI ALTERNARIA ALTERNATA BAB 5446 ISOLATED FROM CUPRESUS TORULOSA D. DON Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th February, 2016 7. Sheetal Chanyal Agrawal PK (2016) Laccase catalyzed-dye detoxification by endophytic fungi daldinia sp.bab 5448 from <i>Cupressus torulosa</i> L, growing in pauri, garhwal region Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 8. Rinky Bisht, and Agrawal PK (2015) Antibacterial activity of endophytic fungi daldina SP BAB 5448 associated with Cupressus torulosa d.don. Poster presentation at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 9. Rishi Kundan, Shruti Agrawal and Agrawal PK (2015) Characterization of Pseudomonas spp from rhizosphere of tomato plant and its efficacy on plant growth promotion. Poster presentation at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 10. Garima Pant and Agrawal PK (2015) Isolation and characterization of plant growth promoting rhizobacteria from rhizosphere of medicinal plant. Poster presentation at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 11. Akanksha Bhardwaj, Deeksha Sharma, Pooja Upadhyay Agrawal PK (2015) Phytochemical screening of endophytic fungi isolated from spikes of <i>Pinus rouxburghili</i>. Poster presentation at 41^{sh} annual meeting on mycological society of India Punjabi University, paityala dated 23-24 february, 2015 12. Akansha Bhardwaj, Rishi Kundan and Agrawal PK (2014) Antimicrobial activity of endophytic fungi. Poster presented in Workshop on Advance in Norkshop on Advance in	DESIGNING FOR NEISSERIA GONORRHOEAE USING DERIVATIVES OF ITS GENERIC DRUG <u>Poster presentation</u> at 10 th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS,
 by endophytic fungi daldinia sp.bab 5448 from <i>Cupressus torulosa</i> L. growing in pauri, garhwal region <u>Poster presentation</u> at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 8. Rinky Bisht, and <i>Agrawal PK</i> (2015) Antibacterial activity of endophytic fungi daldina SP BAB 5448 associated with Cupressus torulosa d.don. <u>Poster presentation</u> at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 9. Rishi Kundan, Shruti Agrawal and <i>Agrawal PK</i> (2015) Characterization of Pseudomonas spp from rhizosphere of tomato plant and its efficacy on plant growth promotion. <u>Poster presentation</u> at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 10. Garima Pant and <i>Agrawal PK</i> (2015) Isolation and characterization of plant growth promoting rhizobacteria from rhizosphere of medicinal plant. <u>Poster presentation</u> at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 11. Akanksha Bhardwaj, Deeksha Sharma, Pooja Upadhyay <i>Agrawal PK</i> (2015) Phytochemical screening of endophytic fungi isolated from spikes of <i>Pinus rouxburghii</i>. <u>Poster presentation</u> at Mycological research-Emerging trends, application and prospects and 41st annual meeting on mycological society of India Punjabi University, patiyala dated 23-24 february, 2015 12. Akansha Bhardwaj, Rishi Kundan and <i>Agrawal PK</i> (2014) Antimicrobial activity of endophytic fungi. <u>Poster presented</u> in Workshop on Advance in 	NAPTHALENE BY ENDOPHYTIC FUNGI ALTERNARIA ALTERNATA BAB 5446 ISOLATED FROM CUPRESUS TORULOSA D. DON <u>Poster presentation</u> at 10 th UTTARAKHAND STATE SCIENCE
 fungi daldina SP BAB 5448 associated with Cupressus torulosa d.don. <u>Poster presentation</u> at 10th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 9-11th february, 2016 9. Rishi Kundan, Shruti Agrawal and <i>Agrawal PK</i> (2015) Characterization of Pseudomonas spp from rhizosphere of tomato plant and its efficacy on plant growth promotion. <u>Poster presentation</u> at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 10. Garima Pant and <i>Agrawal PK</i> (2015) Isolation and characterization of plant growth promoting rhizobacteria from rhizosphere of medicinal plant. <u>Poster presentation</u> at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 11. Akanksha Bhardwaj, Deeksha Sharma, Pooja Upadhyay <i>Agrawal PK</i> (2015) Phytochemical screening of endophytic fungi isolated from spikes of <i>Pinus rouxburghii</i>. <u>Poster presentation</u> at Mycological research-Emerging trends, application and prospects and 41st annual meeting on mycological society of India Punjabi University, patiyala dated 23-24 february, 2015 12. Akansha Bhardwaj, Rishi Kundan and <i>Agrawal PK</i> (2014) Antimicrobial activity of endophytic fungi. <u>Poster presented</u> in Workshop on Advance in 	by endophytic fungi daldinia sp.bab 5448 from <i>Cupressus torulosa</i> L. growing in pauri, garhwal region <u>Poster presentation</u> at 10 th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS,
 Pseudomonas spp from rhizosphere of tomato plant and its efficacy on plant growth promotion. Poster presentation at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 10. Garima Pant and Agrawal PK (2015) Isolation and characterization of plant growth promoting rhizobacteria from rhizosphere of medicinal plant. Poster presentation at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 11. Akanksha Bhardwaj, Deeksha Sharma, Pooja Upadhyay Agrawal PK (2015) Phytochemical screening of endophytic fungi isolated from spikes of <i>Pinus rouxburghii</i>. Poster presentation at 9th annual meeting on mycological society of India Punjabi University, patiyala dated 23-24 february, 2015 12. Akansha Bhardwaj, Rishi Kundan and Agrawal PK (2014) Antimicrobial activity of endophytic fungi. Poster presented in Workshop on Advance in 	fungi daldina SP BAB 5448 associated with Cupressus torulosa d.don. <u>Poster presentation</u> at 10 th UTTARAKHAND STATE SCIENCE &
 plant growth promoting rhizobacteria from rhizosphere of medicinal plant. <u>Poster presentation</u> at 9th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28 february, 2015 11. Akanksha Bhardwaj, Deeksha Sharma, Pooja Upadhyay <i>Agrawal PK</i> (2015) Phytochemical screening of endophytic fungi isolated from spikes of <i>Pinus rouxburghii</i>. <u>Poster presentation</u> at Mycological research-Emerging trends, application and prospects and 41st annual meeting on mycological society of India Punjabi University, patiyala dated 23-24 february, 2015 12. Akansha Bhardwaj, Rishi Kundan and <i>Agrawal PK</i> (2014) Antimicrobial activity of endophytic fungi. <u>Poster presented</u> in Workshop on Advance in 	Pseudomonas spp from rhizosphere of tomato plant and its efficacy on plant growth promotion. <u>Poster presentation</u> at 9 th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun dated 26-28
 (2015) Phytochemical screening of endophytic fungi isolated from spikes of <i>Pinus rouxburghii</i>. <u>Poster presentation</u> at Mycological research-Emerging trends, application and prospects and 41st annual meeting on mycological society of India Punjabi University, patiyala dated 23-24 february, 2015 12. Akansha Bhardwaj, Rishi Kundan and <i>Agrawal PK</i> (2014) Antimicrobial activity of endophytic fungi. <u>Poster presented</u> in Workshop on Advance in 	plant growth promoting rhizobacteria from rhizosphere of medicinal plant. <u>Poster presentation</u> at 9 th UTTARAKHAND STATE SCIENCE &
	 (2015) Phytochemical screening of endophytic fungi isolated from spikes of <i>Pinus rouxburghii</i>. <u>Poster presentation</u> at Mycological research-Emerging trends, application and prospects and 41st annual meeting on mycological society of India Punjabi University, patiyala dated 23-24 february, 2015 12. Akansha Bhardwaj, Rishi Kundan and <i>Agrawal PK</i> (2014) Antimicrobial

	Department of biotechnology, Dolphin PG institute of Biomedical and Allied science, Coloration with WII and ZSI, Dehradun dated 16-17 October, 2014.
13	. Shruti Agrawal and <i>Agrawal PK</i> (2012) Characterization of Plant Growth Promoting Rhizobacteria from Tomato rhizosphere. <u>Poster presentation</u> at 7 th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS, Dehradun
14	. Shilpa Guleria, Shruti Agrawal and <i>Agrawal PK</i> (2011) Characterization of Plant Growth Promoting Rhizobacteria from Tomato rhizosphere. <u>Poster</u> <u>presentation</u> at 6 th UTTARAKHAND STATE SCIENCE & TECHNOLOGY CONGRESS Almora.
15	. Antara Roy, Purnima Sharma, Aditi Grover, <i>Agrawal PK</i> , Satish Kumar Verma(2011) Biodiversity of endophytic fungi isolated from aerial parts of Calotropis procera. Regional seminar on Current Trends in Pharmaceutical and Biopharmaceutical Industries at Graphic Era university, DehradunMay 23,2011, pg 38
16	. Preeti, Manik Ghosh, Anita Gigoo, Neema Tufchi, <i>Agrawal PK</i> (2011) Study of biochemical properties of Medicinal plant <i>Adhatoda vasic</i> . Regional seminar on Current Trends in Pharmaceutical and Biopharmaceutical Industries at Graphic Era university, Dehradun May 23,2011, pg 39
17	. <i>Agrawal PK</i> , Devendra K. Choudhary, Anil Prakash, Bhavdish N. Johri (2006) Effect of bacterial inoculum on mushroom yield. <u>Poster</u> <u>presentation</u> at 47 th annual conference on Association of Microbiologist of India (2006) Bhopal.pg 255
	. Devendra K. Choudhary, <i>Agrawal PK</i> , Bhavdish N. Johri (2005) <i>Insitu</i> characterization of bacterial community succession in casing soil based on community Level physiological Profile <u>Poster presentation</u> at 46 th annual conference on Association of Microbiologist of India Hedrabad. pg 266
19	. Devendra K. Choudhary, <i>Agrawal PK</i> , Anil Prakash, Bhavdish N. Johri (2005) bacterial community succession in mushroom compost ecosystem based on community Level physiological Profil <u>Poster presentation</u> at 75 th annual session by National Acadmy of science, Pondicherry(December 8-9,) pg 2-3
20	Rawat S, <i>Agrawal PK</i> , Malik T, Kumar S, Maheshwari G, Chandra H, Dhewa T and B.N. Johri (2005). Fungal diversity and community succession in mushroom compost. National Symposium on Recent Advances in Sciences: A prospective at Dolphin (P.G.) Institute of Biomedical and natural Sciences, Manduwala, Dehradun, June 3-5,. pg.96.
Inter	national Conference
1. De	eeksha Sharma, Pavan Kumar Agrawal (2015) Identification and
ox Pe M	aracterization of Bioactive compounds from endophytic fungus <i>Penicillium</i> alicum isolated from <i>Cupressus torulosa</i> D.Don. of Himalayan region. ester Presentation: 56 th Annual conference on "Emerging discoveries on icrobiology" at Jawahar Lal Nehru University, New Delhi during December 10, 2015.Pg
Bl	van Kumar Agrawal, Sumit Kumar Rai, Shruti Agrawal (2015) OREMEDIAL TECHNOLOGIES FOR TREATMENT OF POLLUTED ANGA WATER. <u>Poster presentation</u> : a National conference on monitoring

	 and Management of Drinking water quality & XXVIII annual conference of National Environmental Science academy, held at Uttarakhand State Council for Science and Technology, Vigyan Bhavan, Dehradun during 21-23 December, 2015. Pg 3. Alok somvanshi, Pavan Kumar Agrawal, Pratibha saini and pooja upadhaya (2014) Actinomycetes isolated from soil and evaluate its antimicrobial activities for the antibiotic production: Preliminary study poster presentation at International Conference on Soft Computing Techniques for Engineering and Technology-2014 (ICSCTET-2014)" organized by Graphic Era Hill University, Bhimtal (Nainital-263132), Uttarakhand, India
	 Pavan K. Agrawal, Seema Rawat, Devendra K. Choudhary, Anil Prakash, Bhavdish N. Johri (2005) Functional and genetic diversity of bacteria in mushroom compost. <u>Poster presentation</u> at International conference on "Microbial Diversity: Current Perspectives and Potential Applications" New Delhi,pg 226 Devendra K. Choudhary, Pavan K. Agrawal, Bhavdish N. Johri (2005) Genotypic diversity of casing soil bacteria. Poster presentation at International conference on "Microbial Diversity: Current Perspectives and Potential Applications" New Delhi,Pg 86 Pavan K. Agrawal, Supriya Sharma, Sushma Rani. and. Bhavdish N. Johri (2003) Phenotypic and genotypic characterization of PGPRS from soils of Leh and Central Himalayas. <u>Poster presentation</u> at 6th International workshop on Plant Growth Promoting Rhizobacteria. Calicut. India.
Books Authored/Book Volume Chapters	 Book – Kumar N, Agrawal S, and Agrawal PK, (2009). Text book on microbiology (Pragati publication) Book chapter- Rawat S, Agrawal PK, Choudhary DK, Johri,BN. (2005) Microbial Diversity and Community Dynamics of Mushroom Compost Ecosystem. In: Microbial Diversity: Current Perspectives and Potential Applications (Eds, T. Satyanarayana & B.N. Johri). IK International, Pvt, Ltd., New Delhi, Pp. 181-206. Agrawal PK, Srivastava S(2014) Molecular Marker In: advance in biotechnology (Eds Jyoti saxena, Indu ravi and Mamta Bhaunthiyal) Springer (Published) Khandelwal I, Sharma A, Agrawal PK, Shrivastav R, (2016) Bioinformatics Database Resources. In Library and Information Services for Bioinformatics Education and Research. (Eds. Shri Ram) IGI Global Publisher (published). Shruti Agrawal, Kavish Rajput, Agrawal PK (2017) Treatment of Ganga water pollution with special reference of bioremedial technologies: In WATER BIOLOGY. (Eds. D.R. KHANNA AND R. BHUTIANI. DISCOVERY PUBLISHING HOUSE, NEW DELHI (Published) pp 95-118. Agrawal PK, Verma J, Srivastava R (2018) Bioremediation approach for degradation and detoxification of Polycyclic Aromatic Hydrocarbons. In Emerging and ecofriendly approach for waste water managements eds. Bhargawa R.N and Chowdhry P) Springer Nature. Pp 91-121 Ranghar S, Agrawal S, Agrawal PK (2019) Microbial products: Protein,

	enzyme, secondary metabolite and chemicals. In Microbial Interventions in Agriculture and Environment vol 1Research Trends, Priorities and Prospects eds D. P. Singh, Vijai K. Gupta, Ratna Prabha Springer Nature (accepted)		
No. of Conferences	National	Attended	Organized
		20	
	International	6	
Research Guidance	Awarded	PG	Doctorate
		22	NA
	Undergoing	01	
Research Projects	Completed	Nil	
	Undergoing	Nil	
Awards & Distinctions	 2005, June. in Collect Pantnagar, Uttrakhang Forest, GOI funded p Archaea", an All India 0 Senior Research Fellor 2007, July Barkatull Collaboration in Biotect low input wheat-based 0 Trainings Attended on 	ege of Basic science & d, India. Project title : project entitled "Centre f Coordinated Project on Ta ow in Department of Biote lah University, Bhopal hnology Project entitled " Cropping systems. Soil Biofertilization iBL), Frick, Switzerland	echnology from 2005, July - Project title: Indo-Swiss "Rhizobacterial inoculants for
Administrative Assignments Handled	Head, from 1st Janauary, Sai Institute of Paramedic	-	epartment of Biotechnology, Iradun.
Association with Professional Bodies	-		
Any other Achievements	-		