


Dr. Amit Kumar Dubey

Title	Dr.	First Name	AMIT KUMAR	Last Name	DUBEY	
Designation	Assistant Professor					
School/Dept.Name	Department of Biotechnology Faculty of Allied Health Sciences					
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	Residence					
	Mobile	(9838952695)				
Email	amitkumar.dubey@mgug.ac.in					
WebPage(ifany)						
SubjectsTaught	Plant Biotechnology, Genetic Engineering, Bioinformatics					
AreasofInterest/Specialization	Plant Biotechnology					
Experience(inyears)	Total	14				
	Industry	2				
	Teaching	6				
	Research	6				
EducationalQualifications	UG	B.Sc.				
	PG	M.Sc. (Biotechnology)				
	Doctorate	Biotechnology				
	Anyother					

- Amit K. Dubey**, Shiri Barad, Neta Luria, Dilip Kumar, Eduardo A. Espeso, Dov Prusky (2016), Cation-stress-responsive transcription factors SltA and crzA regulate morphogenetic processes and pathogenicity of *Colletotrichum gloeosporioides*. Plos One. 11(12): e0168561. doi:10.1371/journal.pone.0168561. IF 4.411
- Shiri Barad , Noa Sela, **Amit K. Dubey**, Dilip Kumar, Neta Luria , Dana Ment, Shahar Cohen, Arthur A. Schaffer, and Dov Prusky (2017) The differential gene expression of tomato fruit and *Colletotrichum gloeosporioides* during colonization of the RNAi-SIPH- tomato line with reduced fruit acidity and higher pH. BMC Genomics doi 10.1186/s12864-0173961-6.18:579. IF 3.986
- Anand G, Yadav S, Tanveer A, Nasim J, Singh NK, **Dubey AK**, Yadav D. Genome-wide assessment of Polygalacturonases-Like (PGL) genes of *Medicago truncatula*, *Sorghum bicolor*, *Vitis vinifera* and *Oryza sativa* using comparative genomics approach. Interdisciplinary Sciences: Computational Life Sciences (2017). doi.org/10.1007/s12539-017-0230-y. IF 0.853
- D. Kumar., S. Barad, Y. Chen., X. Luo, J. Tannous, **Amit Kumar Dubey**. N. Glam Matana, S. Tian, B. Li, N. Keller, D. Prusky, (2016), LaeA regulation of secondary metabolism modulates virulence in *Penicillium expansum* and is mediated by sucrose. Molecular Plant Pathology. doi:10.1111/mpp.12469. IF 4.724
- Shiri Barad, Noa Sela, Dilip Verma, Amit Kumar Dubey, Nofar Glam, Amir Sherman, Dov Prusky Fungal and host transcriptome analysis of pH-regulated genes during colonization of apple fruits by *Penicillium expansum* BMC Genomics, 17:330. IF 3.986
- Fangcheng Bi, Shiri Barad, Dana Ment, Neta Luria, Amit Dubey , Virginia Casado , Nofar Glam¹, Jose Diaz Mínguez, Eduardo Espeso, Robert Fluhr, Dov Prusky (2015) Carbon regulation of environmental pH by secreted small molecules that modulate pathogenicity in phytopathogenic fungi. Molecular plant pathology, Accepted Article', doi: 10.1111/mpp.12355, IF 4.724
- S. Yadav, **A. K. Dubey**, G. Anand and D. Yadav (2013) Purification and characterization of pectin lyase secreted by *Aspergillus flavus* MTCC10938, Applied Biochemistry and Microbiology Vol. 49, No. 4, pp. 400–405. ISSN00036838. IF .734
- Sangeeta Yadav, Gautam Anand, **Amit Kumar Dubey** and Dinesh Yadav (2012) Purification and characterization of an exopolygalacturonases secreted by *Rhizopus oryzae* MTCC1987 and its role in retting of *Crotalaria juncea* fibre, Biologia 67/6: 1—, 2012, DOI: 10.2478/s11756-012-0122-x. IF .827
- Amit Kumar Dubey**, Sangeeta Yadav, Gautam Anand, Naveen C Bisht and Dinesh Yadav (2012) Insights to sequences of PCR amplified pectin lyase genes from different fungal strains, Online Journal

of Bioinformatics, Volume 13(1):80-92.

Sangeeta Yadav, **Amit Kumar Dubey**, Gautam Anand and Dinesh Yadav (2012) Characterization of a neutral pectin lyase produced by *Oidiodendron echinulatum* MTCC 1356 in soil state fermentation, Journal of Basic Microbiology, 52, 1-8. IF=1.8

Dinesh Yadav, Gautam Anand, **Amit Kumar Dubey**, Shubhra Gupta and Sangeeta Yadav (2012) Patents in the era of Genomics: An overview, Recent Patents on DNA and Gene Sequences, 6, 127-144.

Amit Kumar Dubey, Sangeeta Yadav, Manish Kumar, Vinay Kumar Singh, Bijaya Ketan Sarangi, and Dinesh Yadav (2010) In Silico Characterization of Pectate Lyase Protein Sequences from Different Source Organisms, Enzyme Research Article ID 950230, 11 pages doi:10.4061/2010/950230.

J. Singh, **A. Dubey**, S. K. Diwakar, S. K. Rawat, N. Batra, and A. Joshi, (2010), Biochemical Characterization of Peroxidases from the Fruits of *Mallus pumilus*, International Research Journal of Biotechnology Vol. 1(4) pp.050-058, (ISSN: 2141-5153).

Dubey, A., Diwakar, S. K., Rawat, S. K., Kumar, P., Batra, N., Joshi, A. and Singh, J. (2007) Characterization of Ionically Bound Peroxidases from Apple (*Mallus pumilus*) Fruits, Preparative Biochemistry and Biotechnology, 37: 1, 47 — 58.

Papers Published in Conference Proceedings				
Books Authored/Book Volume Chapters	<p>1. Dinesh Yadav, Gautam Anand, Shubhra Gupta, A K Dubey, Sangeeta Yadav and B K Sarangi (2010) Intellectual Property Rights (IPR) in context with Biotechnology, Biodiversity and Biopiracy: An Overview. In –Biodiversity, Biotechnology and Traditional Knowledge Understanding Intellectual Property Rights (Editors: Arvind Kumar and Govind Das), Narosa Publishing House. pp 196-204. (ISBN 978-81-8487-097-8).</p> <p>2. Amit Kumar Dubey, Sangeeta Yadav, Gautam Anand and Dinesh Yadav (2013) PCR Amplification, Sequencing and In silico Characterization of Pectin Lyase Genes from Aspergillus flavus NIICC8142, In International conference on Mycology and plant pathology Biotechnological approaches (ICMPB) Spriger (In Press)</p> <p>3. Gautam Anand, Sangeeta Yadav, Amit K Dubey, Dinesh Yadav (2013) Molecular Biology of Microbial Polygalacturonases: A Review. Recent Developments in Biotechnology Vol. 3: Microbial Biotechnology (In Press) STUDIUM PRESS LLC USA (In Press)</p> <p>4. D Yadav, A K Dubey, S Yadav, P K Yadav, G Anand, V K Morya (2013) Directed Evolution Of Microbial Enzymes: An Update. (in press)</p> <p>5. Yadav D, Anand G, Yadav S, Dubey AK, Bisht NC, Sarangi BK (2013) Intellectual Property Rights in Plant Biotechnology: Relevance, Present Status, and Future Prospects. OMICS Applications in Crop Science. (in press)</p>			
No. of Conferences	National	Attended	Organized	
		5	2	
	International			
Research Guidance	Awarded	PG	M.Phil	Doctorate
		2	0	0
	Undergoing			
Research Projects	Completed			
	Undergoing			
Awards & Distinctions				

AdministrativeAssignmentsHandled	
AssociationwithProfessionalBodies	
AnyotherAchievements	