

Penicillium expansum: biology, omics, and management of a postharvest pathogen causing blue mould of pome fruit

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Citation Report

#	ARTICLE	IF	CITATIONS
1	<i>Penicillium expansum</i> : biology, omics, and management tools for a global postharvest pathogen causing blue mould of pome fruit. <i>Molecular Plant Pathology</i> , 2020, 21, 1391-1404.	2.0	71
2	Cinnamon Oil Inhibits <i>Penicillium expansum</i> Growth by Disturbing the Carbohydrate Metabolic Process. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 123.	1.5	14
3	Molecular Characterization of <i>Penicillium expansum</i> Isolated from Grapes and its Management by Leaf Extract of <i>Chenopodium murale</i> . <i>International Journal of Phytopathology</i> , 2021, 10, 29-35.	0.1	6
4	Increased Organic Fertilizer and Reduced Chemical Fertilizer Increased Fungal Diversity and the Abundance of Beneficial Fungi on the Grape Berry Surface in Arid Areas. <i>Frontiers in Microbiology</i> , 2021, 12, 628503.	1.5	11
5	Eco-friendly management of postharvest fungal decays in kiwifruit. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8307-8318.	5.4	24
6	First Speleomycological Study on the Occurrence of Psychrophilic and Psychrotolerant Aeromycota in the Brestovská Cave (Western Tatras Mts., Slovakia) and First Reports for Some Species at Underground Sites. <i>Biology</i> , 2021, 10, 497.	1.3	2
7	Effectors of Plant Necrotrophic Fungi. <i>Frontiers in Plant Science</i> , 2021, 12, 687713.	1.7	53
8	Improving the simultaneous target and non-target analysis LC-amenable pesticide residues using high speed Orbitrap mass spectrometry with combined multiple acquisition modes. <i>Talanta</i> , 2021, 228, 122241.	2.9	20
9	PeMetR-mediated sulfur assimilation is essential for virulence and patulin biosynthesis in <i>Penicillium expansum</i> . <i>Environmental Microbiology</i> , 2021, 23, 5555-5568.	1.8	10
10	Dynamic Microbiome Changes Reveal the Effect of 1-Methylcyclopropene Treatment on Reducing Post-harvest Fruit Decay in 'Doyenne du Comice' Pear. <i>Frontiers in Microbiology</i> , 2021, 12, 729014.	1.5	10
11	Genomic Analyses of <i>Penicillium</i> Species Have Revealed Patulin and Citrinin Gene Clusters and Novel Loci Involved in Oxylipin Production. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 743.	1.5	6
12	Game-changing alternatives to conventional fungicides: small RNAs and short peptides. <i>Trends in Biotechnology</i> , 2022, 40, 320-337.	4.9	14
13	L-glutamate inhibits blue mould caused by <i>Penicillium expansum</i> in apple fruits by altering the primary nitrogen and carbon metabolisms. <i>International Journal of Food Science and Technology</i> , 2021, 56, 6591.	1.3	4
14	Arginine Methyltransferase PeRmtC Regulates Development and Pathogenicity of <i>Penicillium expansum</i> via Mediating Key Genes in Conidiation and Secondary Metabolism. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 743.	1.5	6
15	Bacterial Quorum-Quenching Lactonase Hydrolyzes Fungal Mycotoxin and Reduces Pathogenicity of <i>Penicillium expansum</i> Suggesting a Mechanism of Bacterial Antagonism. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 743.	1.5	6
16	Recent advances in postharvest technology of Asia pears fungi disease control: A review. <i>Physiological and Molecular Plant Pathology</i> , 2022, 117, 101771.	1.3	14
17	Incidence, Speciation, and Morpho-Genetic Diversity of <i>Penicillium</i> spp. Causing Blue Mold of Stored Pome Fruits in Serbia. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 1019.	1.5	2
18	Exploring the transcriptome signature associated with tolerance to <i>Penicillium expansum</i> in apple through feature selection algorithms and differential gene expression analysis. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2023, 51, 547-565.	0.7	1

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19	Marker-Free CRISPR-Cas9 Based Genetic Engineering of the Phytopathogenic Fungus, <i>Penicillium expansum</i> . SSRN Electronic Journal, 0, , .	0.4	0
20	More than a Virulence Factor: Patulin Is a Non-Host-Specific Toxin that Inhibits Postharvest Phytopathogens and Requires Efflux for <i>Penicillium</i> Tolerance. <i>Phytopathology</i> , 2022, 112, 1165-1174.	1.1	8
21	Marker-free CRISPR-Cas9 based genetic engineering of the phytopathogenic fungus, <i>Penicillium expansum</i> . <i>Fungal Genetics and Biology</i> , 2022, 160, 103689.	0.9	7
22	Characterization and sources of volatile organic compounds produced by postharvest pathogenic fungi colonized fruit. <i>Postharvest Biology and Technology</i> , 2022, 188, 111903.	2.9	16
23	<i>Penicillium</i> : Species causing blue mold on stored apple fruits. <i>Biljni Lekar</i> , 2022, 50, 92-100.	0.0	0
24	Recent advances in research on biocontrol of postharvest fungal decay in apples. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 10607-10620.	5.4	11
25	Potential of Antifungal Proteins (AFPs) to Control Sliced Bread Spoilage by Fungi. SSRN Electronic Journal, 0, , .	0.4	0
26	Impact of vanillin on postharvest disease control of apple. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
27	Profiling the secretomes of <i>Penicillium expansum</i> reveals that a serine carboxypeptidase (PeSCP) is required for the fungal virulence on apple fruit. <i>Physiological and Molecular Plant Pathology</i> , 2022, 122, 101897.	1.3	5
28	The <i>Penicillium digitatum</i> antifungal protein PdAfpB shows high activity against mycobiota involved in sliced bread spoilage. <i>Food Microbiology</i> , 2023, 109, 104142.	2.1	1
29	Natural compound/green nanoemulsions for disease control at postharvest stage in fruits. , 2022, , 225-243.		0
30	Implication of VelB in the development, pathogenicity, and secondary metabolism of <i>Penicillium expansum</i> . <i>Postharvest Biology and Technology</i> , 2023, 195, 112121.	2.9	6
31	Dynamic Change of Carbon and Nitrogen Sources in Colonized Apples by <i>Penicillium expansum</i> . <i>Foods</i> , 2022, 11, 3367.	1.9	4
32	Antifungal activity of chitosan and its combination with the yeast <i>Debaryomyces hansenii</i> F9D for the control of <i>Penicillium expansum</i> in apples and pears stored at low temperatures. <i>International Journal of Pest Management</i> , 2022, 68, 339-348.	0.9	1
33	The Hydrophobin Gene Family Confers a Fitness Trade-off between Spore Dispersal and Host Colonization in <i>Penicillium expansum</i> . <i>MBio</i> , 2022, 13, .	1.8	6
34	Limiting the production of virulence factors as a mechanism of action for the control of <i>Penicillium expansum</i> by the Antarctic antagonistic yeast <i>Debaryomyces hansenii</i> F9D. <i>Biological Control</i> , 2023, 177, 105104.	1.4	2
35	Alterations in the proteome as a regulating mechanism for patulin stress by the antagonistic yeast <i>Meyerozyma guilliermondii</i> . <i>Biological Control</i> , 2023, 177, 105112.	1.4	1
36	Comparative <i>Penicillium</i> spp. Transcriptomics: Conserved Pathways and Processes Revealed in Ungerminated Conidia and during Postharvest Apple Fruit Decay. <i>Microorganisms</i> , 2022, 10, 2414.	1.6	6

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37	Secondary metabolites isolated from <i>Penicillium expansum</i> and their chemotaxonomic value. <i>Biochemical Systematics and Ecology</i> , 2023, 107, 104584.	0.6	1
38	Transcriptome Analysis and Functional Characterization Reveal That <i>Peclg</i> Gene Contributes to the Virulence of <i>Penicillium expansum</i> on Apple Fruits. <i>Foods</i> , 2023, 12, 479.	1.9	4
39	Elicitation of Fruit Fungi Infection and Its Protective Response to Improve the Postharvest Quality of Fruits. <i>Stresses</i> , 2023, 3, 231-255.	1.8	8
40	Blue LED light treatment inhibits virulence and patulin biosynthesis in <i>Penicillium expansum</i> . <i>Postharvest Biology and Technology</i> , 2023, 200, 112340.	2.9	1
41	Ultrastructural observation and transcriptome analysis provide insights into mechanisms of <i>Penicillium expansum</i> invading apple wounds. <i>Food Chemistry</i> , 2023, 414, 135633.	4.2	5
42	Endophytes: Saviour of apples from post-harvest fungal pathogens. <i>Biological Control</i> , 2023, 182, 105234.	1.4	1
43	The Exploitation of Microbial Antagonists against Postharvest Plant Pathogens. <i>Microorganisms</i> , 2023, 11, 1044.	1.6	6
44	Screening of antagonistic yeast strains for postharvest control of <i>Penicillium expansum</i> causing blue mold decay in table grape. <i>Fungal Biology</i> , 2023, 127, 901-908.	1.1	7
45	Efficacy and Mechanisms of Action of Essential Oils™ Vapours against Blue Mould on Apples Caused by <i>Penicillium expansum</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 2900.	1.8	3
46	Biocontrol Microneedle Patch: A Promising Agent for Protecting Citrus Fruits from Postharvest Infection. <i>Pharmaceutics</i> , 2023, 15, 1219.	2.0	1
50	Methodology of development and approbation of a test system for identification of <i>Penicillium expansum</i> based on polymerase chain reaction (real-time). <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
60	Essential Oils against Fruit Spoilage Fungi. , 2024, , 105-124.		0