

# Martin Vohně-k

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,442  
citations

304743

22  
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345221

36  
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44  
docs citations

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times ranked

1394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surprising spectra of root-associated fungi in submerged aquatic plants. <i>FEMS Microbiology Ecology</i> , 2012, 80, 216-235.	2.7	119
2	The Potential of Dark Septate Endophytes to Form Root Symbioses with Ectomycorrhizal and Ericoid Mycorrhizal Middle European Forest Plants. <i>PLoS ONE</i> , 2015, 10, e0124752.	2.5	92
3	Out of the rivers: are some aquatic hyphomycetes plant endophytes?. <i>New Phytologist</i> , 2008, 178, 3-7.	7.3	90
4	The cultivable endophytic community of Norway spruce ectomycorrhizas from microhabitats lacking ericaceous hosts is dominated by ericoid mycorrhizal <i>Meliniomyces variabilis</i> . <i>Fungal Ecology</i> , 2013, 6, 281-292.	1.6	84
5	Ericaceous dwarf shrubs affect ectomycorrhizal fungal community of the invasive <i>Pinus strobus</i> and native <i>Pinus sylvestris</i> in a pot experiment. <i>Mycorrhiza</i> , 2011, 21, 403-412.	2.8	78
6	Novel Root-Fungus Symbiosis in Ericaceae: Sheathed Ericoid Mycorrhiza Formed by a Hitherto Undescribed Basidiomycete with Affinities to Trechisporales. <i>PLoS ONE</i> , 2012, 7, e39524.	2.5	72
7	The root-symbiotic <i>Rhizoscyphus ericae</i> aggregate and <i>Hyaloscypha</i> ( <i>Leotiomycetes</i> ) are congeneric: Phylogenetic and experimental evidence. <i>Studies in Mycology</i> , 2019, 92, 195-225.	7.2	71
8	Communities of Cultivable Root Mycobionts of the Seagrass <i>Posidonia oceanica</i> in the Northwest Mediterranean Sea Are Dominated by a Hitherto Undescribed Pleosporalean Dark Septate Endophyte. <i>Microbial Ecology</i> , 2016, 71, 442-451.	2.8	69
9	The Co-occurrence and Morphological Continuum Between Ericoid Mycorrhiza and Dark Septate Endophytes in Roots of Six European <i>Rhododendron</i> Species. <i>Folia Geobotanica</i> , 2011, 46, 373-386.	0.9	63
10	A diverse fungal community associated with <i>Pseudorchis albida</i> (Orchidaceae) roots. <i>Fungal Ecology</i> , 2013, 6, 50-64.	1.6	61
11	Experimental evidence of ericoid mycorrhizal potential within Serendipitaceae (Sebacinales). <i>Mycorrhiza</i> , 2016, 26, 831-846.	2.8	52
12	Ericoid mycorrhizal symbiosis: theoretical background and methods for its comprehensive investigation. <i>Mycorrhiza</i> , 2020, 30, 671-695.	2.8	50
13	Is the prominent ericoid mycorrhizal fungus <i>Rhizoscyphus ericae</i> absent in the Southern Hemisphere? A case study on the diversity of root mycobionts in <i>Gaultheria</i> spp. from northwest Patagonia, Argentina. <i>Mycorrhiza</i> , 2015, 25, 25-40.	2.8	47
14	Anatomically and morphologically unique dark septate endophytic association in the roots of the Mediterranean endemic seagrass <i>Posidonia oceanica</i> . <i>Mycorrhiza</i> , 2015, 25, 663-672.	2.8	43
15	Intracellular colonization of <i>Rhododendron</i> and <i>Vaccinium</i> roots by <i>Cenococcum geophilum</i> , <i>Geomyces pannorum</i> and <i>Meliniomyces variabilis</i> . <i>Folia Microbiologica</i> , 2007, 52, 407-414.	2.3	39
16	Inoculation of <i>Rhododendron</i> cv. Belle-Heller with two strains of <i>Phialocephala fortinii</i> in two different substrates. <i>Folia Geobotanica</i> , 2003, 38, 191-200.	0.9	38
17	Extensive sampling and high-throughput sequencing reveal <i>Posidoniomyces atricolor</i> gen. et sp. nov. (Aigialaceae, Pleosporales) as the dominant root mycobiont of the dominant Mediterranean seagrass <i>Posidonia oceanica</i> . <i>MycoKeys</i> , 2019, 55, 59-86.	1.9	34
18	When the ribosomal DNA does not tell the truth: The case of the taxonomic position of <i>Kurtia argillacea</i> , an ericoid mycorrhizal fungus residing among Hymenochaetales. <i>Fungal Biology</i> , 2018, 122, 1-18.	2.5	30

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19	Ontogenetic transition from specialized root hairs to specific root-fungus symbiosis in the dominant Mediterranean seagrass <i>Posidonia oceanica</i> . <i>Scientific Reports</i> , 2018, 8, 10773.	3.3	29
20	Asymbiotic germination of mature seeds and protocorm development of <i>Pseudorchis albida</i> (Orchidaceae) are inhibited by nitrates even at extremely low concentrations. <i>Botany</i> , 2013, 91, 662-670.	1.0	28
21	Fungal root symbionts of the seagrass <i>Posidonia oceanica</i> in the central Adriatic Sea revealed by microscopy, culturing and 454-pyrosequencing. <i>Marine Ecology - Progress Series</i> , 2017, 583, 107-120.	1.9	28
22	Testate Amoebae (Arcellinida and Euglyphida) vs. Ericoid Mycorrhizal and DSE Fungi: A Possible Novel Interaction in the Mycorrhizosphere of Ericaceous Plants?. <i>Microbial Ecology</i> , 2009, 57, 203-214.	2.8	27
23	First record of <i>Rhizoscyphus ericae</i> in Southern Hemisphere's Ericaceae. <i>Mycorrhiza</i> , 2017, 27, 147-163.	2.8	23
24	Inoculation with a ligninolytic basidiomycete, but not root symbiotic ascomycetes, positively affects growth of highbush blueberry (Ericaceae) grown in a pine litter substrate. <i>Plant and Soil</i> , 2012, 355, 341-352.	3.7	22
25	Interactions Between Testate Amoebae and Saprotrophic Microfungi in a Scots Pine Litter Microcosm. <i>Microbial Ecology</i> , 2011, 61, 660-668.	2.8	19
26	Fungal symbionts may modulate nitrate inhibitory effect on orchid seed germination. <i>Mycorrhiza</i> , 2021, 31, 231-241.	2.8	17
27	The ascomycete <i>Meliniomyces variabilis</i> isolated from a sporocarp of <i>Hydnотrya tulasnei</i> ( <i>Pezizales</i> ) intracellularly colonises roots of ecto- and ericoid mycorrhizal host plants.. <i>Czech Mycology</i> , 2007, 59, 215-226.	0.5	15
28	<i>Marinomyxa</i> Gen. Nov. Accommodates Gall-Forming Parasites of the Tropical to Subtropical Seagrass Genus <i>Halophila</i> and Constitutes a Novel Deep-Branching Lineage Within Phytomyxea (Rhizaria: Tj ETQq0 0 0 rgBTz, Overlock, 2014 Tf 50 3		
29	POST VITRO MYCORRHIZATION AND BACTERIZATION OF MICROPROPAGATED STRAWBERRY, POTATO AND AZALEA. <i>Acta Horticulturae</i> , 2000, , 313-324.	0.2	11
30	Bioerosion and fungal colonization of the invasive foraminiferan <i>Amphistegina lobifera</i> in a Mediterranean seagrass meadow. <i>Biogeosciences</i> , 2021, 18, 2777-2790.	3.3	10
31	<i>Hyaloscypha gabretae</i> and <i>Hyaloscypha gryndleri</i> spp. nov. (Hyaloscyphaceae, Helotiales), two new mycobionts colonizing conifer, ericaceous and orchid roots. <i>Mycorrhiza</i> , 2022, 32, 105-122.	2.8	10
32	Enigmatic Phytomyxid Parasite of the Alien Seagrass <i>Halophila stipulacea</i> : New Insights into Its Ecology, Phylogeny, and Distribution in the Mediterranean Sea. <i>Microbial Ecology</i> , 2020, 79, 631-643.	2.8	9
33	Rare phytomyxid infection on the alien seagrass <i>Halophila stipulacea</i> in the southeast Aegean Sea. <i>Mediterranean Marine Science</i> , 0, , 433.	1.6	8
34	The effect of NP fertilization on European blueberry ( <i>Vaccinium myrtillus</i> L.) development on cultivated land in mid-Norway. <i>Journal of Berry Research</i> , 2014, 4, 147-157.	1.4	7
35	Effects of nutrient-rich substrate and ectomycorrhizal symbiosis on spruce seedling biomass in abandoned nests of the wood ant ( <i>Formica polyctena</i> ): a laboratory experiment. <i>Geoderma</i> , 2015, 259-260, 56-61.	5.1	7
36	Are lulworthioid fungi dark septate endophytes of the dominant Mediterranean seagrass <i>Posidonia oceanica</i> ? <i>Plant Biology</i> , 2022, 24, 127-133.	3.8	6

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37	Adaptive traits in the seagrass <i>Posidonia oceanica</i> : Root hairs with spiral cell walls, not spiral root hairs. <i>Aquatic Botany</i> , 2019, 155, 52-53.	1.6	5
38	Range expansion of <i>Marinomyxa marina</i> , a phytomyxid parasite of the invasive seagrass <i>Halophila stipulacea</i> , to the Caribbean. <i>Aquatic Botany</i> , 2022, 182, 103554.	1.6	5
39	Benefits and limits of x-ray micro-computed tomography for visualization of colonization and bioerosion of shelled organisms. <i>Palaeontologia Electronica</i> , 0, , .	0.9	4
40	Phytoextraction and Assisted Phytoextraction of Metals from Agriculture Used Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 1862-1872.	1.4	3
41	Low root biomass and occurrence of ectomycorrhizal exploration types in inhabited wood ant ( <i>Formica ruginocollis</i> ) nests. <i>Journal of Ecology</i> , 2019, 107, 57-62.	3.2	2
42	No difference in ectomycorrhizal morphotype composition between abandoned and inhabited nests of wood ants ( <i>Formica polyctena</i> ) in a central European spruce forest. <i>Geoderma</i> , 2019, 334, 55-62.	5.1	1