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Current affiliations:

- Czech academy of sciences from 2005 until present
- Charles University in Prague from 2005 until present

Publications

PUBLICATION METRICS

For manuscripts published from date range November 2017 - November 2022

TOTAL TIMES CITED

938

H-INDEX

15

PUBLICATIONS

76

CORE COLLECTION DOCUMENTS

73

For all time

TOTAL TIMES CITED

4344

H-INDEX

34

PUBLICATIONS

244

CORE COLLECTION DOCUMENTS

191

PUBLISHING SUMMARY

For manuscripts published from date range November 2017 - November 2022

(7) Mycological Progress

(5) Persoonia

(4) IMA Fungus	(4) Plant Systematics and Evolution
(3) Czech Mycology	(3) Mycologia
(3) Fungal Ecology	(3) Toxins
(2) Frontiers in Microbiology	(2) Fungal Biology
(2) Microorganisms	(2) Scientific Data
(2) Scientific Reports	(2) Journal of Fungi
(1) Journal of Fish Diseases	(1) Forest Pathology
(1) International Journal of Systematic and Evolut...	(1) Antimicrobial Agents and Chemotherapy
(1) Folia Microbiologica	(1) Microbial Ecology
(1) Mycoses	(1) Science of the Total Environment
(1) Mycopathologia	(1) Molecular Phylogenetics and Evolution
(1) Marine Ecology Progress Series	(1) Trends in Ecology and Evolution
(1) Maydica	(1) Frontiers in Immunology
(1) FEMS Microbiology Ecology	(1) Insects
(1) Data in Brief	(1) Applied and Environmental Microbiology
(1) Fungal Diversity	(1) Antonie van Leeuwenhoek
(1) Journal of Natural Products	(1) Biology
(1) Mycoscience	(1) Sydowia
(1) Microbiology Spectrum	(1) Studies in Mycology
(1) Canadian Journal of Plant Pathology	(1) MicrobiologyOpen
(1) Phytopathology	(1) Agriculture
(1) ChemMedChem	(1) Plant Biosystems

MANUSCRIPTS PUBLISHED (76)

From date range November 2017 - November 2022

TIMES CITED

(ALL TIME)

Fungal Planet description sheets: 716-784

111

Authors (118): Crous, P. W.; Wingfield, M. J. ... Groenewald, J. Z.

Published: Jun 2018 in Persoonia

Bark Beetle Population Dynamics in the Anthropocene: Challenges and Solutions

95

Authors (17): Biedermann, Peter H. W.; Mueller, Joerg ... Baessler, Claus

Published: Oct 2019 in Trends in Ecology and Evolution

Fungal Planet description sheets: 951-1041 Authors (128): Crous, P. W.; Wingfield, M. J. ... Groenewald, J. Z. Published: Dec 2019 in Persoonia	86
Fungal Planet description sheets: 1042-1111 Authors (159): Crous, P. W.; Wingfield, M. J. ... Groenewald, J. Z. Published: Jul 2020 in Persoonia	61
GlobalFungi, a global database of fungal occurrences from high-throughput-sequencing metabarcoding studies Authors (33): Vetrovsky, Tomas; Morais, Daniel ... Baldrian, Petr Published: Jul 2020 in Scientific Data	55
Intragenomic polymorphisms in the ITS region of high-quality genomes of the Hypoxylaceae (Xylariales, Ascomycota) Authors (7): Stadler, Marc; Lambert, Christopher ... Kuhnert, Eric Published: Mar 2020 in Mycological Progress	45
Unravelling species boundaries in the <i>Aspergillus viridinutans</i> complex (section <i>Fumigati</i>): opportunistic human and animal pathogens capable of interspecific hybridization Authors (12): Hubka, V.; Barrs, V. ... Kolarik, M. Published: Dec 2018 in Persoonia	36
Considerations and consequences of allowing DNA sequence data as types of fungal taxa Authors (412): Zamora, Juan Carlos; Svensson, Mans ... Ekmani, Stefan Published: Jun 2018 in IMA Fungus	31
Evolutionary history of ergot with a new infrageneric classification (Hypocreales: Clavicipitaceae: Claviceps) Authors (9): Pichova, Kamila; Pazoutova, Sylvie ... Kolarik, Miroslav Published: Jun 2018 in Molecular Phylogenetics and Evolution	28
New insights in <i>Russula</i> subsect. <i>Rubrinae</i> : phylogeny and the quest for synapomorphic characters Authors (8): Cabon, Miroslav; Eberhardt, Ursula ... Adamcik, Slavomir Published: 2017 in Mycological Progress	24
Nine draft genome sequences of <i>Claviceps purpurea</i> s.lat., including <i>C. arundinis</i> , <i>C. humidiphila</i> , and <i>C. cf. spartinae</i> , pseudomolecules for the pitch canker pathogen <i>Fusarium circinatum</i> , draft genome of <i>Davidsoniella eucalypti</i> , <i>Grosmannia galeiformis</i> , <i>Quambalaria eucalypti</i> , and <i>Teratosphaeria destructans</i> Authors (26): Wingfield, Brenda D.; Liu, Miao ... Wingfield, Michael J. Published: Jul 2018 in IMA Fungus	23

Resolving the taxonomy of emerging zoonotic pathogens in the <i>Trichophyton benhamiae</i> complex	16
Authors (21): Cmokova, Adela; Kolarik, Miroslav ... Hubka, Vit Published: Sep 2020 in Fungal Diversity	
Fungal root symbionts of the seagrass <i>Posidonia oceanica</i> in the central Adriatic Sea revealed by microscopy, culturing and 454-pyrosequencing	16
Authors (5): Vohnik, Martin; Borovec, Ondrej ... Sudova, Radka Published: 2017 in Marine Ecology Progress Series	
Phylogenetic study documents different speciation mechanisms within the <i>Russula globispora</i> lineage in boreal and arctic environments of the Northern Hemisphere	15
Authors (10): Cabon, Miroslav; Li, Guo-Jie ... Adarncik, Slavomir Published: 2019 in IMA Fungus	
Cultivable microscopic fungi from an underground chemosynthesis-based ecosystem: a preliminary study	15
Authors (5): Novakova, Alena; Hubka, Vit ... Hillebrand-Voiculescu, Alexandra Maria Published: Jan 2018 in Folia Microbiologica	
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 <i>Hymenochaetales</i>	15
Authors (2): Kolarik, Miroslav; Vohnik, Martin Published: Jan 2018 in Fungal Biology	
Adaptive traits of bark and ambrosia beetle-associated fungi	14
Authors (10): Veselska, Tereza; Skelton, James ... Kolarik, Miroslav Published: 2019 in Fungal Ecology	
Polyphasic data support the splitting of <i>Aspergillus candidus</i> into two species; proposal of <i>Aspergillus dobrogensis</i> sp nov	14
Authors (11): Hubka, Vit; Novakova, Alena ... Kolarik, Miroslav Published: Apr 2018 in International Journal of Systematic and Evolutionary Microbiology	
On the bright side of a forest pest-the metabolic potential of bark beetles' bacterial associates	14
Authors (10): Fabryova, Anna; Kostovcik, Martin ... Garcia-Fraile, Paula Published: Apr 2018 in Science of the Total Environment	
Discovery of <i>Phloeophagus</i> Beetles as a Source of <i>Pseudomonas</i> Strains That Produce Potentially New Bioactive Substances and Description of <i>Pseudomonas bohemiae</i> sp nov	12
Authors (10): Saati-Santamaria, Zaki; Lopez-Mondejar, Ruben ... Garcia-Fraile, Paula Published: May 2018 in Frontiers in Microbiology	

Extremely Acidic Soils are Dominated by Species-Poor and Highly Specific Fungal Communities Published: 2017 in Microbial Ecology	12
Geosmithia species in southeastern USA and their affinity to beetle vectors and tree hosts Authors (5): Huang, Yin-Tse; Skelton, James ... Hulcr, Jiri Published: 2019 in Fungal Ecology	11
The Oomycete Pythium oligandrum Can Suppress and Kill the Causative Agents of Dermatophytoses Authors (6): Gabrielova, Alena; Mencl, Karel ... Kolarik, Miroslav Published: Oct 2018 in Mycopathologia	11
Taxonomic novelties in Aspergillus section Fumigati: A-tasmanicus sp nov., induction of sexual state in A-turcosus and overview of related species Authors (9): Hubka, Vit; Dudova, Zuzana ... Kolarik, Miroslav Published: 2017 in Plant Systematics and Evolution	11
Taxonomic update of Clitocybula sensu lato with a new generic classification Authors (5): Antonin, Vladimir; Borovicka, Jan ... Kolarik, Miroslav Published: Jun 2019 in Fungal Biology	10
Delimitation and phylogeny of Dictyochaeta, and introduction of Achrochaeta and Tubulicolla, genera nova Authors (4): Reblova, Martina; Nekvindova, Jana ... Hernandez-Restrepo, Margarita Published: Mar 2021 in Mycologia	9
Developmental and Immune Role of a Novel Multiple Cysteine Cluster TLR From Eisenia andrei Earthworms Authors (7): Prochazkova, Petra; Roubalova, Radka ... Bilej, Martin Published: 2019 in Frontiers in Immunology	9
Antifungal Susceptibility of the Aspergillus viridinutans Complex: Comparison of Two In Vitro Methods Authors (11): Lyskova, Pavlina; Hubka, Vit ... Hamal, Petr Published: Apr 2018 in Antimicrobial Agents and Chemotherapy	9
Phylogeny, Global Biogeography and Pleomorphism of Zanclospora Authors (5): Reblova, Martina; Kolarik, Miroslav ... Hernandez-Restrepo, Margarita Published: Apr 2021 in Microorganisms	8
Increasing the species diversity in the Aspergillus section Nidulantes: Six novel species mainly from the indoor environment Authors (9): Sklenar, F.; Jurjevic, Z. ... Hubka, V. Published: Mar 2020 in Mycologia	8

<p>Taxonomic revision of the biotechnologically important species <i>Penicillium oxalicum</i> with the description of two new species from acidic and saline soils</p> <p>Authors (5): Kubatova, Alena; Hujslova, Martina ... Kolarik, Miroslav Published: Feb 2019 in Mycological Progress</p>	8
<p>Two new <i>Geosmithia</i> species in <i>G. pallida</i> species complex from bark beetles in eastern USA</p> <p>Authors (4): Huang, Y-T; Kolarik, M. ... Hulcr, J. Published: 2017 in Mycologia</p>	8
<p>Discovery of New Trichophyton Members, <i>T. persicum</i> and <i>T. spiraliforme</i> spp. nov., as a Cause of Highly Inflammatory Tinea Cases in Iran and Czechia</p> <p>Authors (14): Cmokova, Adela; Rezaei-Matehkolaei, Ali ... Hubka, Vit Published: Oct 2021 in Microbiology Spectrum</p>	7
<p>A New Perspective of <i>Pseudomonas</i>-Host Interactions: Distribution and Potential Ecological Functions of the Genus <i>Pseudomonas</i> within the Bark Beetle Holobiont</p> <p>Authors (4): Saati-Santamaria, Zaki; Rivas, Raul ... Garcia-Fraile, Paula Published: Feb 2021 in Biology</p>	7
<p>Bacteria Belonging to <i>Pseudomonas typographi</i> sp. nov. from the Bark Beetle <i>typographus</i> Have Genomic Potential to Aid in the Host Ecology</p> <p>Authors (5): Peral-Aranega, Ezequiel; Saati-Santamaria, Zaki ... Garcia-Fraile, Paula Published: Sep 2020 in Insects</p>	7
<p><i>Tricholomopsis badinensis</i> sp. nov. and <i>T. sulphureoides</i> two rare fungi of European old-growth forests</p> <p>Authors (3): Holec, Jan; Kunca, Vladimir; Kolarik, Miroslav Published: Mar 2019 in Mycological Progress</p>	7
<p>Ergochromes: Heretofore Neglected Side of Ergot Toxicity</p> <p>Authors (12): Flieger, Miroslav; Stodulkova, Eva ... Kolarik, Miroslav Published: 2019 in Toxins</p>	7
<p>Re-examination of species limits in <i>Aspergillus</i> section <i>Flavipedes</i> using advanced species delimitation methods and description of four new species</p> <p>Authors (12): Sklenar, F.; Jurjevic, Z. ... Hubka, V Published: Jun 2021 in Studies in Mycology</p>	6
<p>Novel Insights into the Effect of <i>Pythium</i> Strains on Rapeseed Metabolism</p> <p>Authors (12): Belonoznikova, Katerina; Vaverova, Katerina ... Ryslava, Helena Published: Oct 2020 in Microorganisms</p>	6

<p>Caterpillar gut and host plant phylloplane mycobiomes differ: a new perspective on fungal involvement in insect guts</p> <p>Authors (7): Visnovska, Denisa; Pyszko, Petr ... Drozd, Pavel</p> <p>Published: Sep 2020 in FEMS Microbiology Ecology</p>	6
<p>Disseminated infection due to <i>Exophiala pisciphila</i> in Cardinal tetra, <i>Paracheirodon axelrodi</i></p> <p>Authors (3): J Řehulka; M Kolařík; V Hubka</p> <p>Published: 2017 in Journal of Fish Diseases</p>	6
<p>Termites Are Associated with External Species-Specific Bacterial Communities</p> <p>Authors (12): Soukup, Patrik; Vetrovsky, Tomas ... Bourguignon, Thomas</p> <p>Published: Jan 2021 in Applied and Environmental Microbiology</p>	5
<p>Geosmithia associated with hardwood-infesting bark and ambrosia beetles, with the description of three new species from Poland</p> <p>Authors (3): Strzalka, Beata; Kolarik, Miroslav; Jankowiak, Robert</p> <p>Published: Feb 2021 in Antonie van Leeuwenhoek</p>	4
<p>Preinvasion Assessment of Exotic Bark Beetle-Vectored Fungi to Detect Tree-Killing Pathogens</p> <p>Authors (25): Li, You; Bateman, Craig ... Hulcr, Jiri</p> <p>Published: Feb 2022 in Phytopathology</p>	3
<p>Phylogenetic Reassessment, Taxonomy, and Biogeography of Codinaea and Similar Fungi</p> <p>Authors (7): Reblova, Martina; Kolarik, Miroslav ... Hernandez-Restrepo, Margarita</p> <p>Published: Dec 2021 in Journal of Fungi</p>	3
<p>Fungal Endophytes of Vitis vinifera-Plant Growth Promotion Factors</p> <p>Authors (7): Kulisova, Marketa; Vrublevskaya, Maria ... Kolouchova, Irena</p> <p>Published: Dec 2021 in Agriculture</p>	3
<p>An Outbreak of Trichophyton quinckeanum Zoonotic Infections in the Czech Republic Transmitted from Cats and Dogs</p> <p>Authors (19): Lyskova, Pavlina; Dobias, Radim ... Hubka, Vit</p> <p>Published: Sep 2021 in Journal of Fungi</p>	3
<p>Termites host specific fungal communities that differ from those in their ambient environments</p> <p>Authors (12): Vetrovsky, Tomas; Soukup, Patrik ... Kolarik, Miroslav</p> <p>Published: Dec 2020 in Fungal Ecology</p>	3
<p>First report of Mycena clavata (Fungi, Agaricales) in the Czech Republic including notes on its taxonomy, phylogenetic position and ecology</p> <p>Published: 2017 in Czech Mycology</p>	3

<p>Fungal Endophytes of Vitis vinifera-Plant Growth Promoters or Potentially Toxinogenic Agents?</p> <p>Authors (9): Stranska, Milena; Dzuman, Zbynek ... Hajslova, Jana</p> <p>Published: Feb 2022 in Toxins</p>	2
<p>Mining Indole Alkaloid Synthesis Gene Clusters from Genomes of 53 Claviceps Strains Revealed Redundant Gene Copies and an Approximate Evolutionary Hourglass Model</p> <p>Authors (10): Liu, Miao; Findlay, Wendy ... Menzies, Jim G.</p> <p>Published: Nov 2021 in Toxins</p>	2
<p>Comparative eco-physiology revealed extensive enzymatic curtailment, lipases production and strong conidial resilience of the bat pathogenic fungus <i>Pseudogymnoascus destructans</i></p> <p>Authors (7): Veselska, Tereza; Homutova, Karolina ... Kolarik, Miroslav</p> <p>Published: Oct 2020 in Scientific Reports</p>	2
<p>Fungal metabolic profile dataset was not influenced by long-term in vitro preservation of strains</p> <p>Authors (2): Veselska, Tereza; Kolarik, Miroslav</p> <p>Published: Dec 2019 in Data in Brief</p>	2
<p>Geosmithia Species Associated With Bark Beetles From China, With the Description of Nine New Species</p> <p>Authors (9): Zhang, Xiuyu; Li, You ... Chang, Runlei</p> <p>Published: Mar 2022 in Frontiers in Microbiology</p>	1
<p>NMR Structure Elucidation of Naphthoquinones from <i>Quambalaria cyanescens</i></p> <p>Authors (8): Prochazkova, Eliska; Kucharak, Oleksandr ... Baszczynski, Ondrej</p> <p>Published: Jan 2021 in Journal of Natural Products</p>	1
<p>Recovery of a phytopathogenic bacterium <i>Lonsdalea quercina</i> from a lesser horseshoe bat in Moravian karst, Czech Republic</p> <p>Authors (11): Kovacova, V.; Kolarik, M. ... Pikula, J.</p> <p>Published: Feb 2018 in Forest Pathology</p>	1
<p>Artificial inoculation of maize seeds with <i>Sporisorium reilianum</i> f. sp. <i>zeae</i></p> <p>Authors (7): Marquez-Licona, Guillermo; Gerardo Leyva-Mir, Santos ... Castillo-Gonzalez, Fernando</p> <p>Published: 2018 in Maydica</p>	1
<p>Relationships within <i>Capitotricha bicolor</i> (Lachnaceae, Ascomycota) as inferred from ITS rDNA sequences, including some notes on the <i>Brunnipila</i> and <i>Erioscyphella</i> clades</p> <p>Authors (3): Sandova, Marketa; Nilsson, R. Henrik; Kolarik, Miroslav</p> <p>Published: 2018 in Mycological Progress</p>	1

<p>Blum versus Romagnesi: testing possible synonymies of some European russulas (Russulaceae, Basidiomycota)</p> <p>Authors (8): Cabon, Miroslav; Jancovicova, Sona ... Adamcik, Slavomir</p> <p>Published: 2018 in Plant Systematics and Evolution</p>	1
<p>Galerina saxicola (Fungi, Agaricales) is conspecific with G-stordalii and new data on ecology of the latter species</p> <p>Published: 2017 in Plant Systematics and Evolution</p>	1
<p>Piperazine-Modified Ketoconazole Derivatives Show Increased Activity against Fungal and Trypanosomatid Pathogens</p> <p>Authors (9): Stepanek, Ondrej; Cmokova, Adela ... Baszczynski, Ondrej</p> <p>Published: Nov 2022 in ChemMedChem</p>	0
<p>A re-assessment of Taxomyces andreanae, the alleged taxol-producing fungus, using comparative genomics</p> <p>Authors (4): Cheng, Tian; Kolarik, Miroslav ... Stadler, Marc</p> <p>Published: Sep 2022 in IMA Fungus</p>	0
<p>Fungi are more transient than bacteria in caterpillar gut microbiomes</p> <p>Authors (9): Sigut, Martin; Pyszek, Petr ... Drozd, Pavel</p> <p>Published: Sep 2022 in Scientific Reports</p>	0
<p>Fungal Planet description sheets: 1383-1435</p> <p>Authors (112): Crous, P. W.; Boers, J. ... Groenewald, J. Z.</p> <p>Published: Jul 2022 in Persoonia</p>	0
<p>Characterization and microsatellite marker development for a common bark and ambrosia beetle associate, Geosmithia obscura</p> <p>Authors (7): Pietsch, Grace M.; Gazis, Romina ... Hadziabdic, Denita</p> <p>Published: Jun 2022 in MicrobiologyOpen</p>	0
<p>Towards consolidation of Gymnopilus taxonomy: the case of G. stabilis, G. sapineus, and G. penetrans</p> <p>Authors (4): Holec, Jan; Borovicka, Jan ... Kolarik, Miroslav</p> <p>Published: Jan 2022 in Mycological Progress</p>	0
<p>Taxonomy and phylogeny of Paramarasmius gen. nov. and Paramarasmius mesosporus, a worldwide distributed fungus with a strict ecological niche</p> <p>Authors (3): Antonin, Vladimir; Hosaka, Kentaro; Kolarik, Miroslav</p> <p>Published: 2022 in Plant Biosystems</p>	0
<p>The 168-year taxonomy of Claviceps in the light of variations: From three morphological species to four sections based on multigene phylogenies</p> <p>Authors (3): Liu, Miao; Kolarik, Miroslav; Tanaka, Eiji</p> <p>Published: 2022 in Canadian Journal of Plant Pathology</p>	0

<p>Nucleotide composition bias of rDNA sequences as a source of phylogenetic artifacts in Basidiomycota-a case of a new lineage of a urediniculous Ramularia-like anamorph with affinities to Ustilaginomycotina</p> <p>Authors (5): Kolarik, Miroslav; Wei, I-Chin ... Kirschner, Roland Published: Dec 2021 in Mycological Progress</p>	0
<p>Taxonomic revision of the acidophilic genus <i>Acidiella</i> (Dothideomycetes, Capnodiales) with a description of new species from Poland</p> <p>Authors (3): Kolarik, Miroslav; Stepniewska, Hanna; Jankowiak, Robert Published: Jun 2021 in Plant Systematics and Evolution</p>	0
<p>Revision of the genus <i>Aciculosporium</i> (Clavicipitaceae) with a description of a new species on wavyleaf basketgrass, and proline-containing cyclic dipeptide production by <i>A. take</i></p> <p>Authors (4): Tanaka, Eiji; Hosoe, Tomoo ... Kolarik, Miroslav Published: May 2021 in Mycoscience</p>	0
<p><i>Polyporus tubaeformis</i> (Basidiomycota, Polyporaceae) - identity, ecology and distribution in the Czech Republic, Austria, Slovakia and Ukraine</p> <p>Authors (7): Holec, Jan; Vampola, Petr ... Kolarik, Miroslav Published: 2021 in Sydowia</p>	0
<p>GlobalFungi, a global database of fungal occurrences from high-throughput-sequencing metabarcoding studies (vol 7, 228, 2020)</p> <p>Authors (33): Vetrovsky, Tomas; Morais, Daniel ... Baldrian, Petr Published: Sep 2020 in Scientific Data</p>	0
<p>Antifungal susceptibility patterns of opportunistic pathogens from the <i>Aspergillus viridinutans</i> complex (section <i>Fumigati</i>) determined by the EUCAST E. DEF 9.3 method and Sensititre YeastOne colorimetric antifungal panel</p> <p>Authors (11): Hamal, P.; Lyskova, P. ... Dobias, R. Published: 2017 in Mycoses</p>	0
<p><i>Butyriboletus regius</i> and <i>Butyriboletus fechtneri</i> : typification of two well-known species</p> <p>Authors (3): Václav Janda; Martin Kříž; Miroslav Kolařík Published: Jan 2019 in Czech Mycology</p>	Not indexed in the Web of Science
<p>New taxonomic combinations in endophytic representatives of the genus <i>Nigrograna</i></p> <p>Authors (1): Miroslav Kolařík Published: Sep 2018 in Czech Mycology</p>	Not indexed in the Web of Science

Verified reviews

11 REVIEWS OF 10 MANUSCRIPTS

From date range November 2017 - November 2022

-

Reviewed: Oct 2022 for Folia Microbiologica

-

Reviewed: Jun 2022 for Fungal Diversity

-

Reviewed: Feb 2022 for Antonie van Leeuwenhoek

-

Reviewed: Oct 2021 for Current Microbiology

-

Reviewed: May 2021 for Microbial Ecology

-

2 rounds from Nov 2020 to Dec 2020 for Journal of Applied Entomology

-

Reviewed: Sep 2020 for Forests

-

Reviewed: Jul 2020 for Diversity

-

Reviewed: Aug 2019 for Forests

-

Reviewed: Apr 2019 for Canadian Journal of Plant Pathology
