

# **Mycportal: Taxonomic Thesaurus**

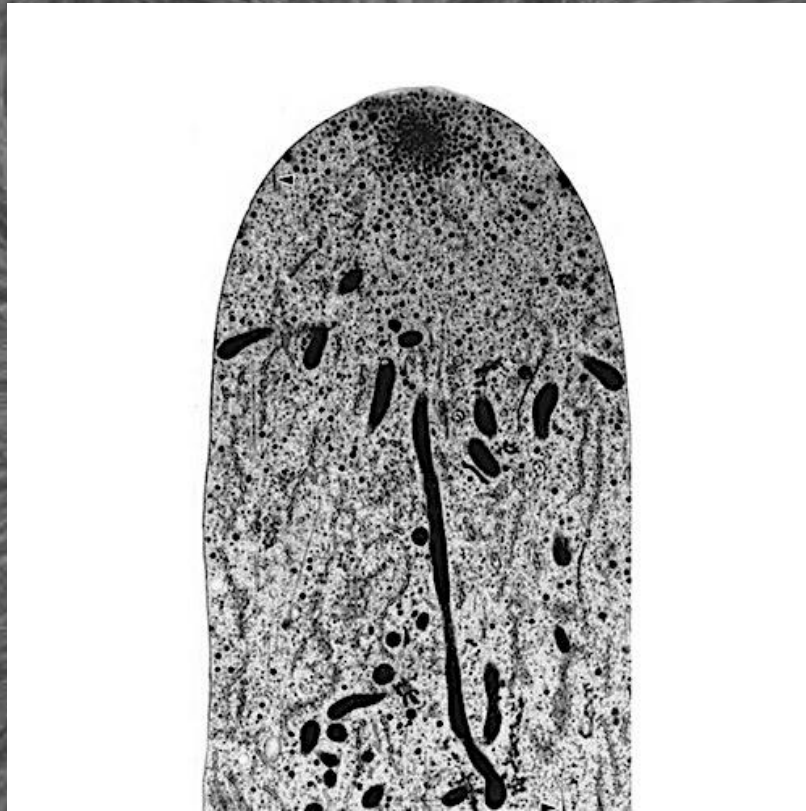


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**Scott Thomas Bates, PhD**  
**Purdue University North Central Campus**

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# Eukaryota, Opisthokonta, Fungi



- chitinous cell wall
- absorptive nutrition
- apical growth - hyphae

# Eukaryota, Opisthokonta, Fungi



Macrobe

- chitinous cell wall
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# Eukaryota, Opisthokonta, Fungi

Microbe



Macrobe

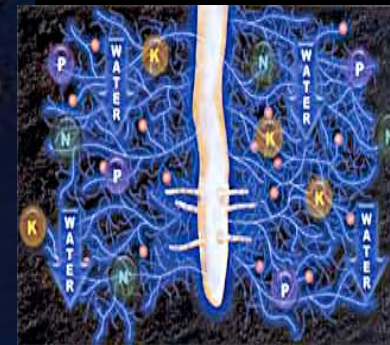


- chitinous cell wall
- absorptive nutrition
- apical growth - hyphae

- Primary decomposers in terrestrial systems



- Essential symbiotic partners of plants and animals



# The Macrofungi Collections Consortium



# MYCOLOGY COLLECTIONS PORTAL

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## Welcome to the Mycology Collections data Portal

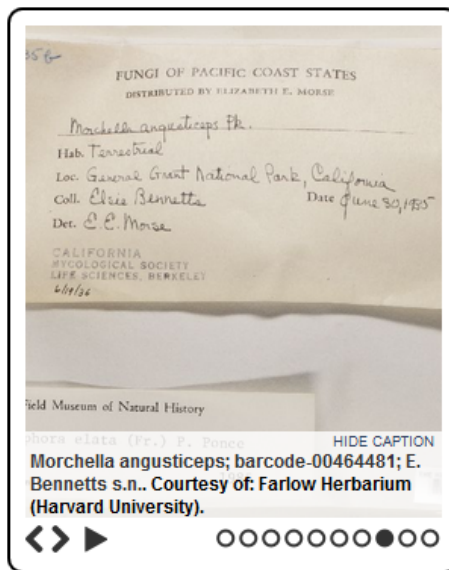
The Mycology Collections data Portal (MyCoPortal) is more than just a web site - it is a suite of user-friendly, web-based data access technologies to aid taxonomists, field biologists, ecologists, educators, and citizen scientists in the study of fungal diversity. The data are derived from a network of universities, botanical gardens, museums, and agencies that provide taxonomic, environmental, and specimen-based information. Using the Symbiota (<http://symbiota.org>) system of virtual online floras, these data are directly accessible to dynamically generate geo-referenced species checklists, distribution maps, and interactive identification keys, all linked with a rich collection of digital imagery documenting fungal diversity of North America.

### Fungus of the Day



What is this fungus?

[Click here to test your knowledge](#)



### News and Events

- **NSF Press Release (#15-092)** - NSF awards fifth round of grants to enhance America's biodiversity collections
- **NSF Press Release (#12-082)** - US National Science Foundation awards support for The Macrofungi Collection Consortium, a collaboration of 35 institutions in 24 states for the purpose of databasing some 1.4 million dried scientific specimens of macrofungi (NSF ADBC 1206197).
- **December 2013** - 1,546,358 occurrence records supplied by 31 different data providers have been integrated into MyCoPortal.
- **NEW** - MaCC records are now part of the Zooniverse project *Notes from Nature*. Please help us by transcribing specimen labels ([link](#)).
- Image provided by New York Botanical Garden.





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[Participants](#)

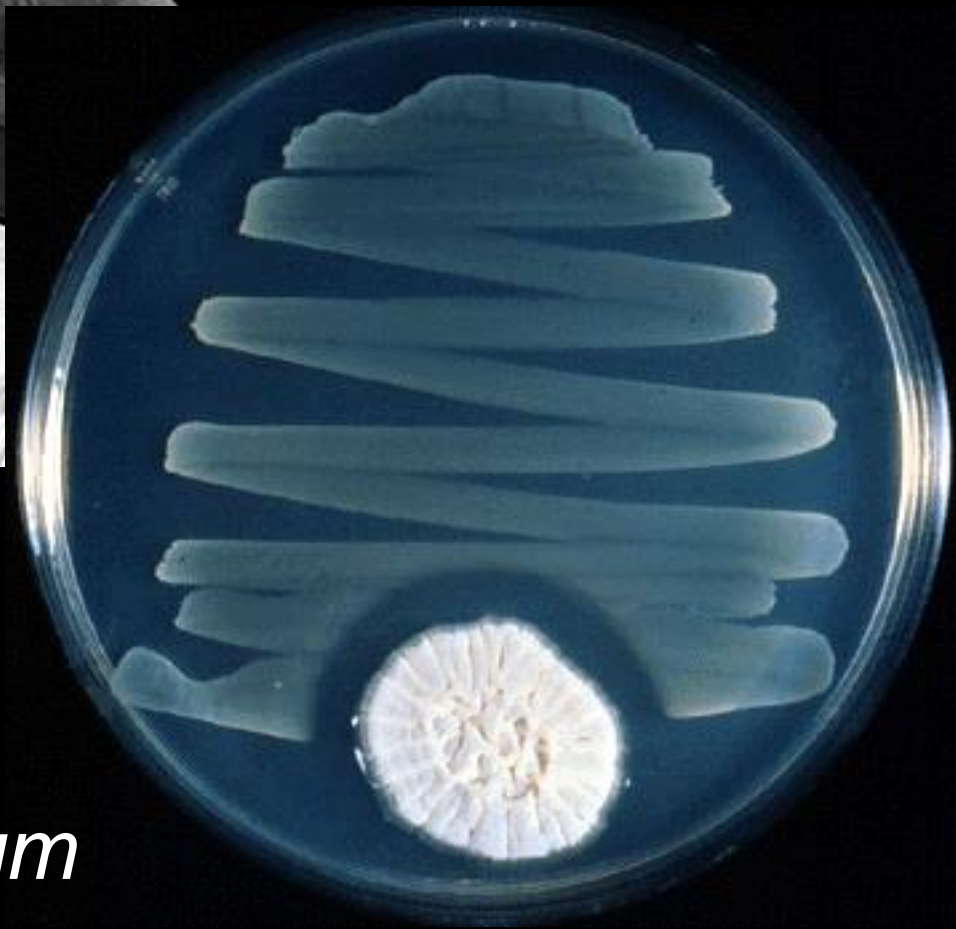
[INHS Team](#)

[Resources](#)

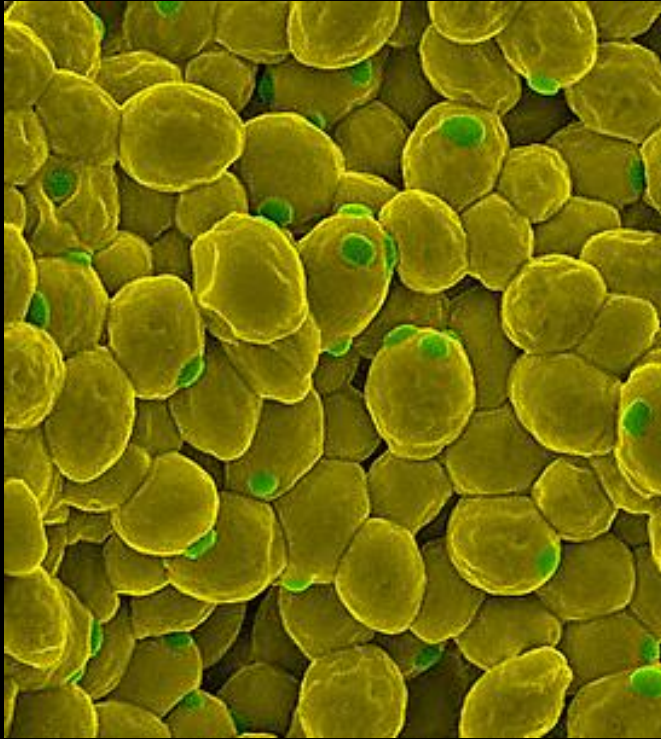
**Microfungi** comprise a loosely defined artificial group of Fungi and fungal-like organisms that include such things as bread molds, plant pathogens, powdery mildews, rusts, slime molds, and water molds. In general, these fungi are difficult or impossible to see with the unaided eye. A **taxonomical classification of microfungi** suggests the group contains 4468 genera and 55,989 species.

Microfungi are ubiquitous throughout the world and some cause major economic impacts as pathogens of animals, plants, and other fungi. Many **microfungi** are harmless saprobes, breaking down large complex chemical structures such as lignin found in wood into usable simple compounds. Despite their importance, little is known about the diversity, distribution, ecology, or host relationships of microfungi throughout the United States.

The Microfungi Collections Consortium (MiCC) is a collaborative effort among **38 US institutions** to digitize specimen label data from 2.3 million North American microfungi specimens and make these data available online to the broader community through the **MyCoPortal** website. A proposal submitted in October 2014 to the National Science Foundation's **Advancing Digitization of Biodiversity Collections** program was **granted in July 2015**. **Dr. Andrew N. Miller** of the **Illinois Natural History Survey** serves as the Project Leader.



*Penicillium chrysogenum*






*Saccharomyces cerevisiae*

# Emerging fungal threats to animal, plant and ecosystem health

Matthew C. Fisher<sup>1</sup>, Daniel A. Henk<sup>1</sup>, Cheryl J. Briggs<sup>2</sup>, John S. Brownstein<sup>3</sup>, Lawrence C. Madoff<sup>4</sup>, Sarah L. McCraw<sup>5</sup> & Sarah J. Gurr<sup>5</sup>




**Table 1 | Major fungal organisms posing threats to animal and plant species.**

Host	Pathogen (Phylum)	Disease dynamics leading to mass mortality in animal and plant hosts
 <p>Amphibian species (for example, the common midwife toad, <i>Alytes obstetricans</i>)</p>	<i>Batrachochytrium dendrobatidis</i> (Chytridiomycota)	Worldwide dispersal of a hypervirulent lineage by trade <sup>64</sup> . Ultra-generalist pathogen manifesting spillover between tolerant/susceptible species. Extent of chytridiomycosis is dependent on biotic and abiotic context <sup>1,5,82</sup> .
 <p>Rice (<i>Oryza sativa</i>); <i>Magnaporthe grisea</i> species complex on 50 grass and sedge species, including wheat and barley</p>	<i>Magnaporthe oryzae</i> (Ascomycota)	Rice blast disease in 85 countries, causing 10–35% loss of harvest. Global blast population structure determined by deployment of seeds with inbred race-specific disease resistance (RSR). Invasions occur by 'host hops' and altered pathogen demographics.
 <p>Bat spp. (little brown bats, <i>Myotis lucifugus</i>)</p>	<i>Geomyces destructans</i> (Ascomycota)	New invasion of North American bat roosts occurred in approximately 2006, and disease is spreading rapidly <sup>6</sup> . Pathogen reservoir may exist in cave soil. Disease is more aggressive compared to similar infections in European bats, possibly owing to differences in roosts and host life histories <sup>63</sup> .

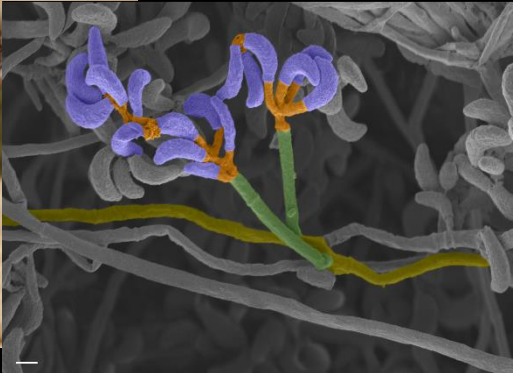
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*Geomyces destructans*

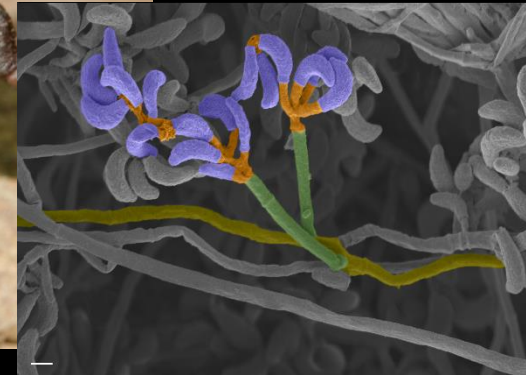


*Magnaporthe oryzae*



# *Pseudogymnoascus destructans*

“In 2013, an analysis of the phylogenetic relationship indicated that this fungus was more closely related to the genus *Pseudogymnoascus* than to the genus *Geomyces* changing its latin binomial to *Pseudogymnoascus destructans*.”



# *Magnaporthe oryzae*





# MYCOBANK DATABASE

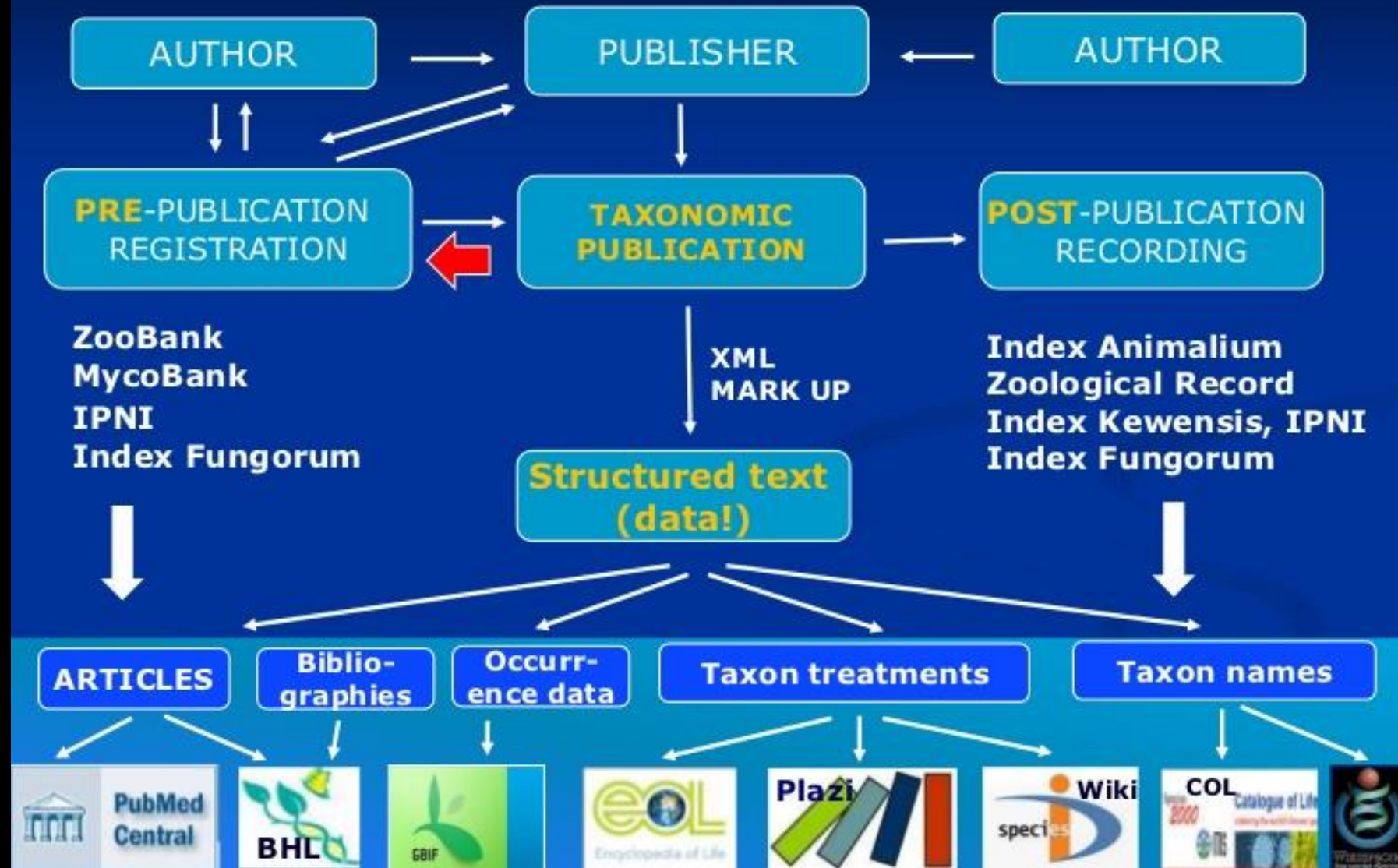
Fungal Databases, Nomenclature & Species Banks

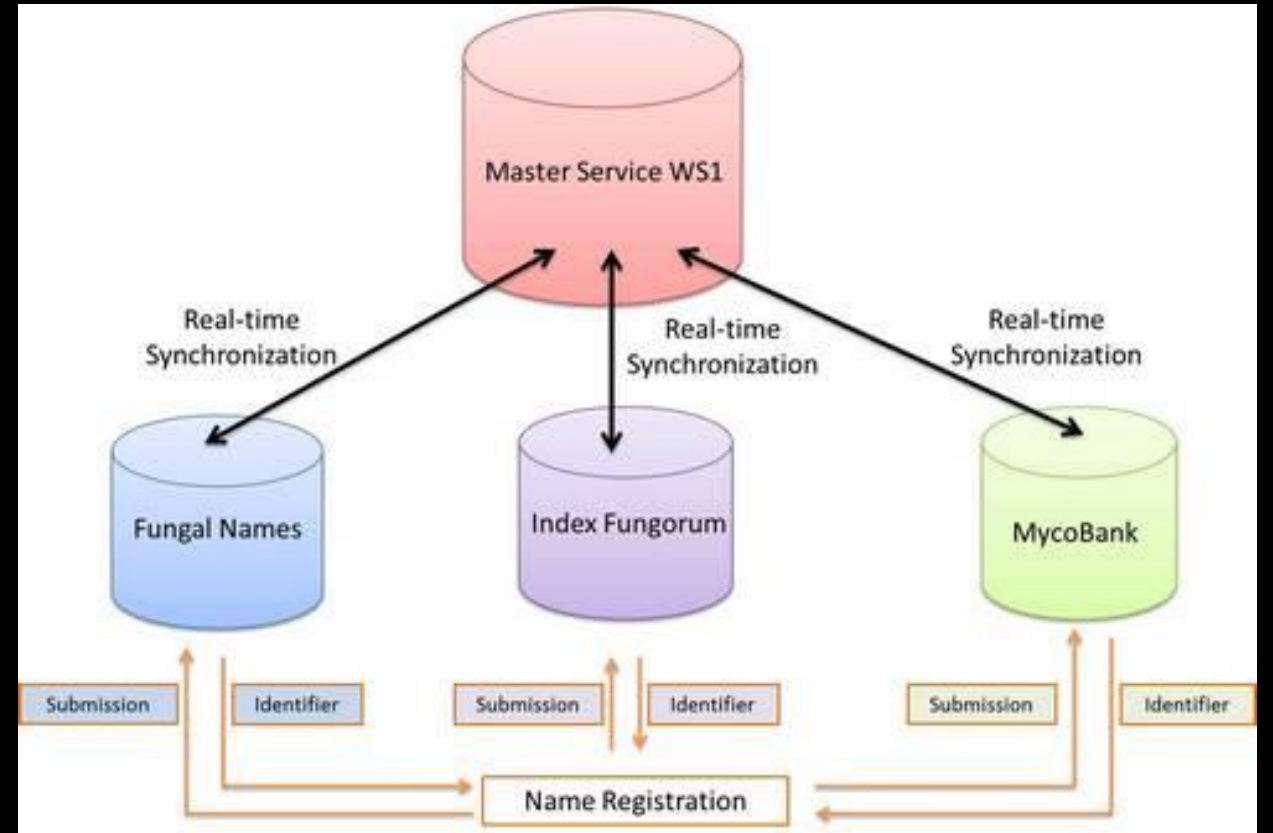
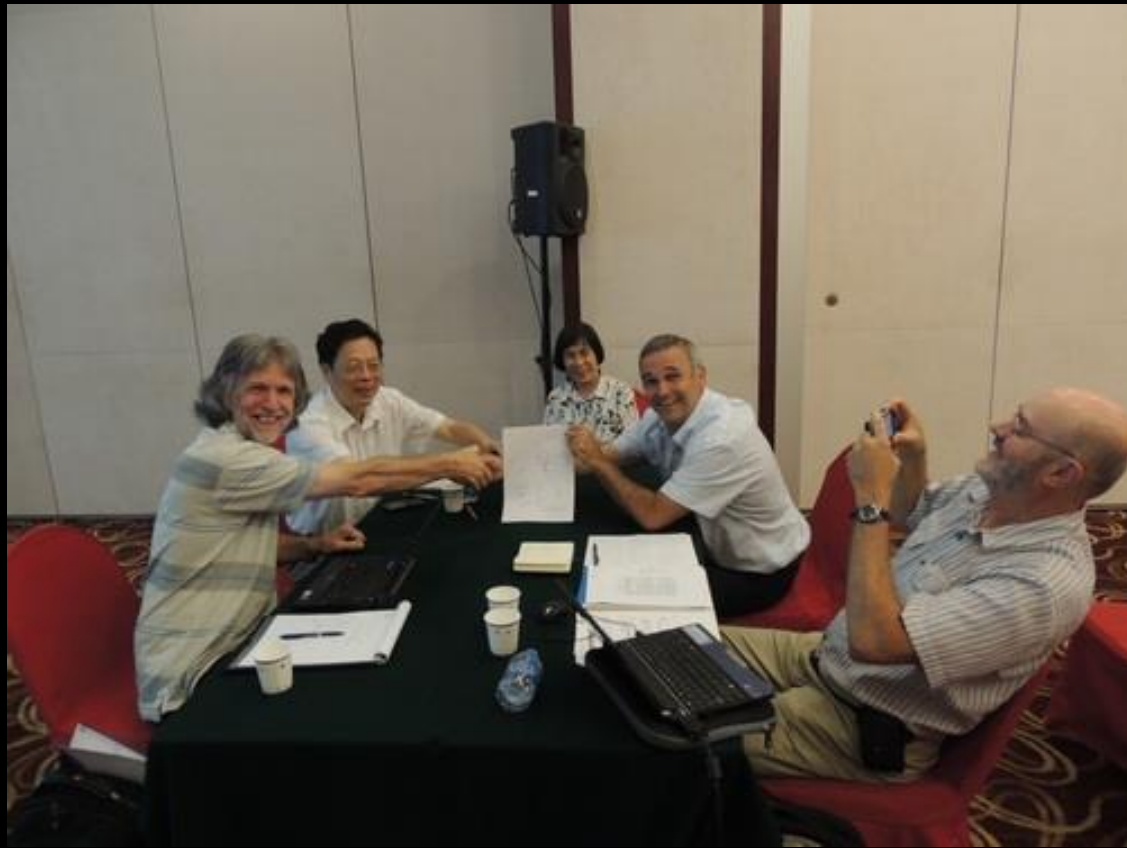


**Index Fungorum**



# The registration workflow for taxonomic names and acts







### MycoBank in short

MycoBank is owned by the International Mycological Association and is an on-line database aimed as a service to the mycological and scientific community by documenting mycological nomenclatural novelties (new names and combinations) and associated data, for example descriptions and illustrations. Pairwise sequence alignments and polyphasic identifications of fungi and yeasts against curated references databases are proposed. More information [here](#).



**Fungal Name Search**

Search for names present in MycoBank.  
For more search options see menu.

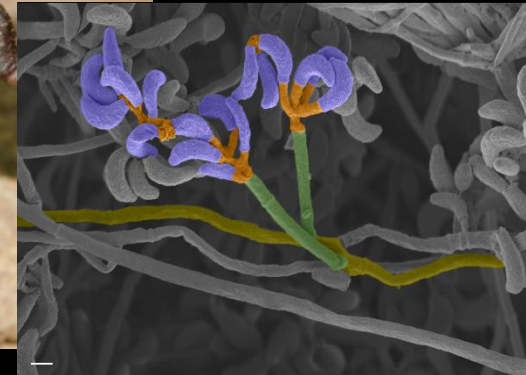
**New Name Registration**

Deposit a new fungal name in MycoBank.

**New Type Typification**

Add type information to an existing fungal name in MycoBank.

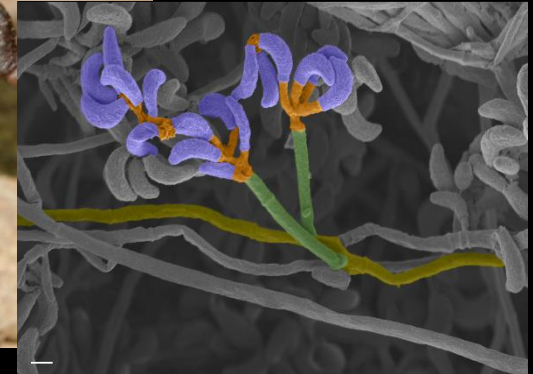
*Pseudogymnoascus destructans*



*Magnaporthe oryzae*



# *Pseudogymnoascus destructans*









# *Magnaporthe oryzae*





“The International Botanical Congress in Melbourne in July 2011 made a change in the International Code of Nomenclature for algae, fungi, and plants and adopted the principle “one fungus, one name.”



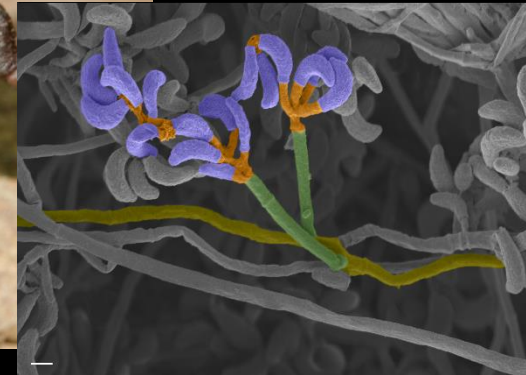
General information

Summary:	<u>Magnaporthe oryzae</u> B.C. Couch, Mycologia 94 (4): 692 (2002) [MB#484668]
Mycobank #:	484668
Epithet:	oryzae 
Rank:	sp.
Authors:	B.C. Couch 
Authors (abbreviated):	B.C. Couch 
Literature:	Couch, B.C.; Kohn, L.M. 2002. A multilocus gene genealogy concordant with host preference indicates segregation of a new species, <i>Magnaporthe oryzae</i> , from <i>M. grisea</i> . Mycologia. 94(4):683-693
Page #:	692 
Year of publication:	2002 
Gender:	Feminine 
Type specimen or ex type:	Specimen record #90847
More specimens:	Specimen record #90847

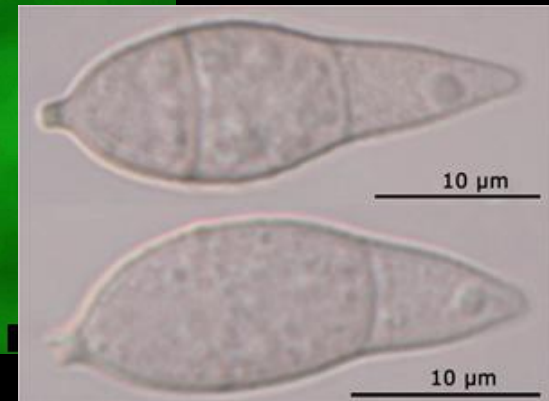
Classification and associated taxa

Current name:	Magnaporthe oryzae B.C. Couch, Mycologia 94 (4): 692 (2002) [MB#484668] 
Classification:	Fungi, Ascomycota, Pezizomycotina, Sordariomycetes, Sordariomycetidae, Magnaporthaceae, Magnaporthe 
Associated records:	None 
Anamorph synonyms:	<u>Pyricularia oryzae</u> Cavara, Fungi Longobardiae exsiccati sive Mycetum specimina in Longobardia collecta, exsiccata et speciebus novis vel criticis, iconibus illustrata Pug. I: no. 4 (1891) [MB#224486] 

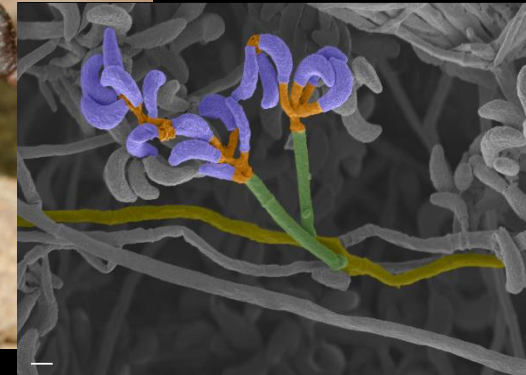
***Pseudogymnoascus destructans***



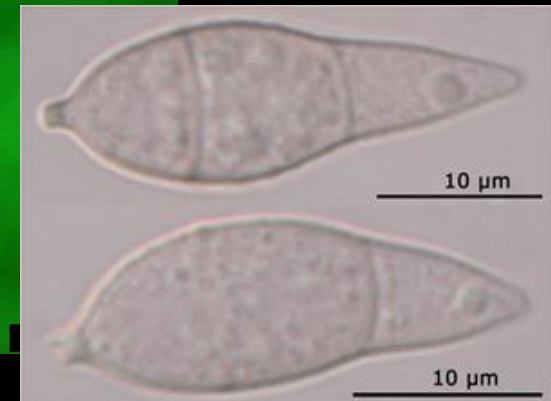
***Magnaporthe oryzae***



# *Pseudogymnoascus destructans*



# *Pyricularia oryzae*





*Pseudogymnoascus destructans*

*Magnaporthe oryzae*

***Pseudogymnoascus destructans* (Blehert & Gargas) Minnis & D.L. Lindner**

***Magnaporthe oryzae* B.C. Couch**

***Pseudogymnoascus destructans* (Blehert & Gargas) Minnis & D.L. Lindner**

Fungi, Ascomycota, Ascomycetes, Myxotrichaceae, Pseudogymnoascus

***Magnaporthe oryzae* B.C. Couch**

Fungi, Ascomycota, Pezizomycotina, Sordariomycetes, Sordariomycetidae, Magnaporthaceae, Magnaporthe

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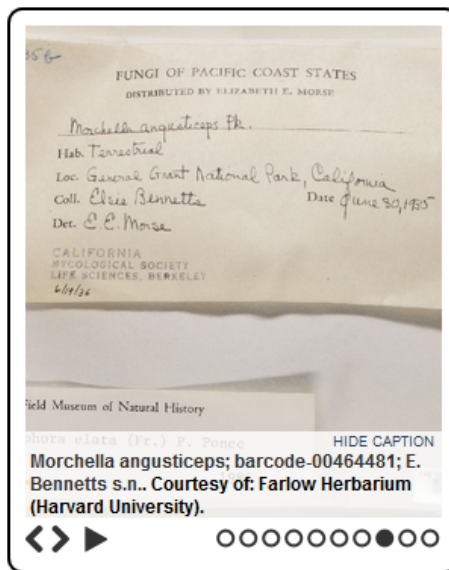
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- **NEW** - MaCC records are now part of the Zooniverse project *Notes from Nature*. Please help us by transcribing specimen labels ([link](#)).
- Image provided by New York Botanical Garden.

Please join the Mycology Collections Portal as collaborators or regular visitors, and send your feedback to [mycoportal.contact@gmail.com](mailto:mycoportal.contact@gmail.com).

# **Symbiota Taxonomic Thesaurus**

mycoportal.org/portal/collections/harvestparams.php

## Enter Search Parameters


Fill in one or more of the following query criteria and click "Search" to view your results.

---

### Taxonomic Criteria:

Include Synonyms from Taxonomic Prescriptions

Family or Scientific Name:



---

### Locality Criteria:

Country:

State/Province:

County:

Locality:

Elevation:  to

---

### Latitude and Longitude:

Bounding box coordinates in decimal degrees	Point-Radius Search
Northern Latitude: <input type="text"/> N <input type="text"/>	Latitude: <input type="text"/> N <input type="text"/>
Southern Latitude: <input type="text"/> N <input type="text"/>	Longitude: <input type="text"/> W <input type="text"/>
Western Longitude: <input type="text"/> W <input type="text"/>	Radius: <input type="text"/> Kilometers <input type="text"/>
Eastern Longitude: <input type="text"/> W <input type="text"/>	


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### Collector Criteria:

Collector's Last Name:

Collector's Number:

Collection Date:  -



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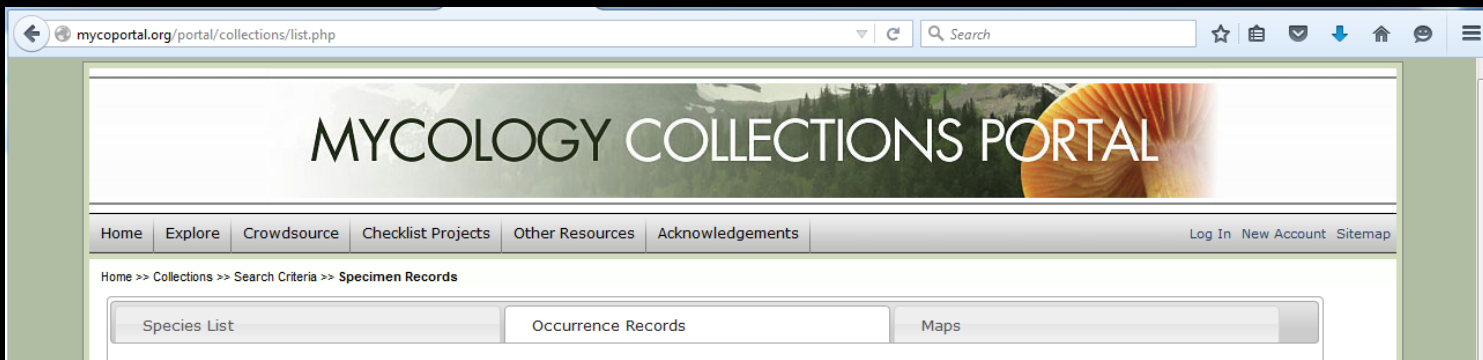
### Specimen Criteria:

Catalog Number:

Other Catalog Number:

Limit to Type Specimens Only

Limit to Specimens with Images Only



# *Pyricularia oryzae*

Details Comments Linked Resources

**Cornell Plant Pathology Herbarium**

**CUP**

**Catalog #:** BriosiCavara-0188  
**Taxon:** *Pyricularia oryzae* Cavara  
**Family:** Magnaporthaceae  
**Determiner:** Cavara, Fridiano  
**Type Status:** Isotype?  
**Collector:** Anon.  
**Date:** 05 March 1905  
**Verbatim Date:** 3/5/05  
**Locality:** Italy, Novara Prov., Torrione Quartara  
**Substrate:** *Oryza sativa*

Share 0 Tweet 0

**Specimen Images**

Large Version

Large Version

**Record Id:** a9d272fd-154e-478a-88cf-c955a1a009e6  
**Usage Rights:** CC0 1.0 (Public-domain)  
 For additional information on this specimen, please contact: Scott LaGreca (cup-herbarium@cornell.edu)



# MYCOLOGY COLLECTIONS PORTAL

## Magnaporthe grisea (redirected from: Pyricularia oryzae)

[Go to Encyclopedia of Life...](#)

**Family:** Magnaporthaceae

[*Ceratospheeria grisea* T.T. Hebert [more](#)]



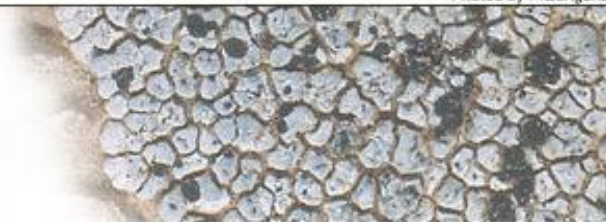
Description Not Yet Available



[Open Interactive Map](#)



# Consortium of NORTH AMERICAN LICHEN HERBARIA



Home > Arizona > **Arizona**

## Arizona Games

**Authors:** Bates, S.T., A. Barber, E. Gilbert, R.T. Schroeder, and T.H. Nash III.

**Publication:** 2010. A Revised catalog of Arizona lichens. *Canotia* 6(1): 26-43.

[More Details](#)

**Families:** 57

**Genera:** 188

**Species:** 984 (species rank)

**Total Taxa:** 992 (including subsp. and var.)

Page 1 of 2: 1 | 2

### ACAROSPORACEAE

*Acarospora affinis*

*Acarospora badiofusca*

*Acarospora brouardii*

*Acarospora bullata*

*Acarospora calcarea*

*Acarospora chrysops*

*Acarospora contigua*

*Acarospora dispersa*

*Acarospora erythrophora*

*Acarospora fuscata*

*Acarospora glaucocarpa*

*Acarospora heufleriana*

*Acarospora interspersa*

*Acarospora macrospora*

*Acarospora nevadensis*

*Acarospora nodulosa*

*Acarospora novomexicana*


*Acarospora obnubila*

#### Options

Search:

Synonyms

#### Filter:

Original Checklist 

Display as Images

Notes & Vouchers

Taxon Authors

Show Taxa Alphabetically

Rebuild List



# Consortium of NORTH AMERICAN LICHEN HERBARIA

Photos by F. Burgartz



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*Acarospora nodulosa*

*Acarospora novomexicana*

*Acarospora obnubila*


*Acarospora obpallens*

#### Options

Search:

Synonyms

#### Filter:

Central Thesaurus 

Display as Images

Notes & Vouchers

Taxon Authors

Show Taxa Alphabetically

Rebuild List



**How can we keep taxonomic  
information up-to-date in the portal?**

# Application Programming Interface (API)

This XML file does not appear to have any style information associated with it. The document tree is shown below.

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## MycoBank gearing up for new horizons

Vincent Robert<sup>1</sup>, Duong Vu<sup>1</sup>, Ammar Ben Hadj Amor<sup>1</sup>, Nathalie van de Wiele<sup>1</sup>, Carlo Brouwer<sup>1</sup>, Bernard Jabas<sup>1</sup>, Szaniszló Szoke<sup>1</sup>, Ahmed Dridi<sup>1</sup>, Maher Triki<sup>1</sup>, Samy ben Daoud<sup>1</sup>, Oussema Chouchen<sup>1</sup>, Lea Vaas<sup>1</sup>, Arthur de Cock<sup>1</sup>, Joost A. Stalpers<sup>1</sup>, Dora Stalpers<sup>1</sup>, Gerard J.M. Verkley<sup>1</sup>, Marizeth Groenewald<sup>1</sup>, Felipe Borges dos Santos<sup>1</sup>, Gerrit Stegehuis<sup>1</sup>, Wei Li<sup>2</sup>, Linhuan Wu<sup>2</sup>, Run Zhang<sup>2</sup>, Juncai Ma<sup>2</sup>, Miaomiao Zhou<sup>1</sup>, Sergio Pérez Gorjón<sup>3</sup>, Lily Eurwilaichitr<sup>4</sup>, Supawadee Ingsriswang<sup>4</sup>, Karen Hansen<sup>5</sup>, Conrad Schoch<sup>6</sup>, Barbara Robbertse<sup>6</sup>, Laszlo Irinyi<sup>7</sup>, Wieland Meyer<sup>7</sup>, Gianluigi Cardinali<sup>8</sup>, David L. Hawksworth<sup>9</sup>, John W. Taylor<sup>10</sup>, and Pedro W. Crous

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<sup>3</sup>Campus Miguel de Unamuno, Universidad de Salamanca, 37007, Salamanca, Spain

<sup>4</sup>National Center for Genetic Engineering and Biotechnology (BIOTEC), 113 Thailand Science Park, Phaholyothin Road, Klong 1, Klong Luang, Pathumthani 12120, Thailand

<sup>5</sup>Department of Cryptogamic Botany, Swedish Museum of Natural History (S), P.O. Box 50007, Svante Arrhenius väg 7, SE-104 05 Stockholm, Sweden

<sup>6</sup>Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, Bethesda, MD, 20892, USA

<sup>7</sup>Research Laboratory, Center for Infectious Diseases and Microbiology, Marie Bashir Institute for Infectious Diseases and Biosecurity, Sydney Medical School-Westmead Hospital, The University of Sydney, Westmead Millennium Institute and Westmead Hospital, Sydney, Australia

<sup>8</sup>Dip. Biologia Applicata, University of Perugia, Borgo 20 Giugno 74, I 06121, Perugia, Italy

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<sup>10</sup>Department of Plant and Microbial Biology, University of California, Berkeley, CA 94720, USA

**Abstract:** MycoBank, a registration system for fungi established in 2004 to capture all taxonomic novelties, acts as a coordination hub between repositories such as Index Fungorum and Fungal Names. Since January 2013, registration of fungal names is a mandatory requirement for valid publication under the *International Code of Nomenclature for algae, fungi and plants* (ICN). This review explains the database innovations that have been implemented over the past few years, and discusses new features such as advanced queries, registration of typification events (MBT numbers for lecto, epi- and neotypes), the multi-lingual database interface, the nomenclature discussion forum, annotation system, and web services with links to third parties. MycoBank has also introduced novel identification services, linking DNA sequence data to numerous related databases to enable intelligent search queries. Although MycoBank fills an important void for taxon registration, challenges for the future remain to improve links between taxonomic names and DNA data, and to also introduce a formal system for naming fungi known from DNA sequence data only. To further improve the quality of MycoBank data, remote access will now allow registered mycologists to act as MycoBank curators, using Citrix software.

### Key words:

MycoBank  
EUBOLD identification services  
Forum  
Fungi  
International Nucleotide Sequence  
Database Collaboration  
Next Generation Sequencing  
Nomenclature  
Registration  
Repositories  
Typification

## MycoBank gearing up for new horizons

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# MYCOLOGY COLLECTIONS PORTAL

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## Welcome to the Mycology Collections data Portal

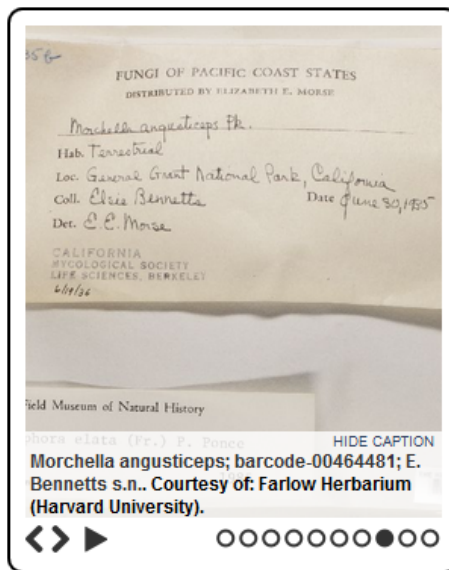
The Mycology Collections data Portal (MyCoPortal) is more than just a web site - it is a suite of user-friendly, web-based data access technologies to aid taxonomists, field biologists, ecologists, educators, and citizen scientists in the study of fungal diversity. The data are derived from a network of universities, botanical gardens, museums, and agencies that provide taxonomic, environmental, and specimen-based information. Using the Symbiota (<http://symbiota.org>) system of virtual online floras, these data are directly accessible to dynamically generate geo-referenced species checklists, distribution maps, and interactive identification keys, all linked with a rich collection of digital imagery documenting fungal diversity of North America.

### Fungus of the Day



What is this fungus?

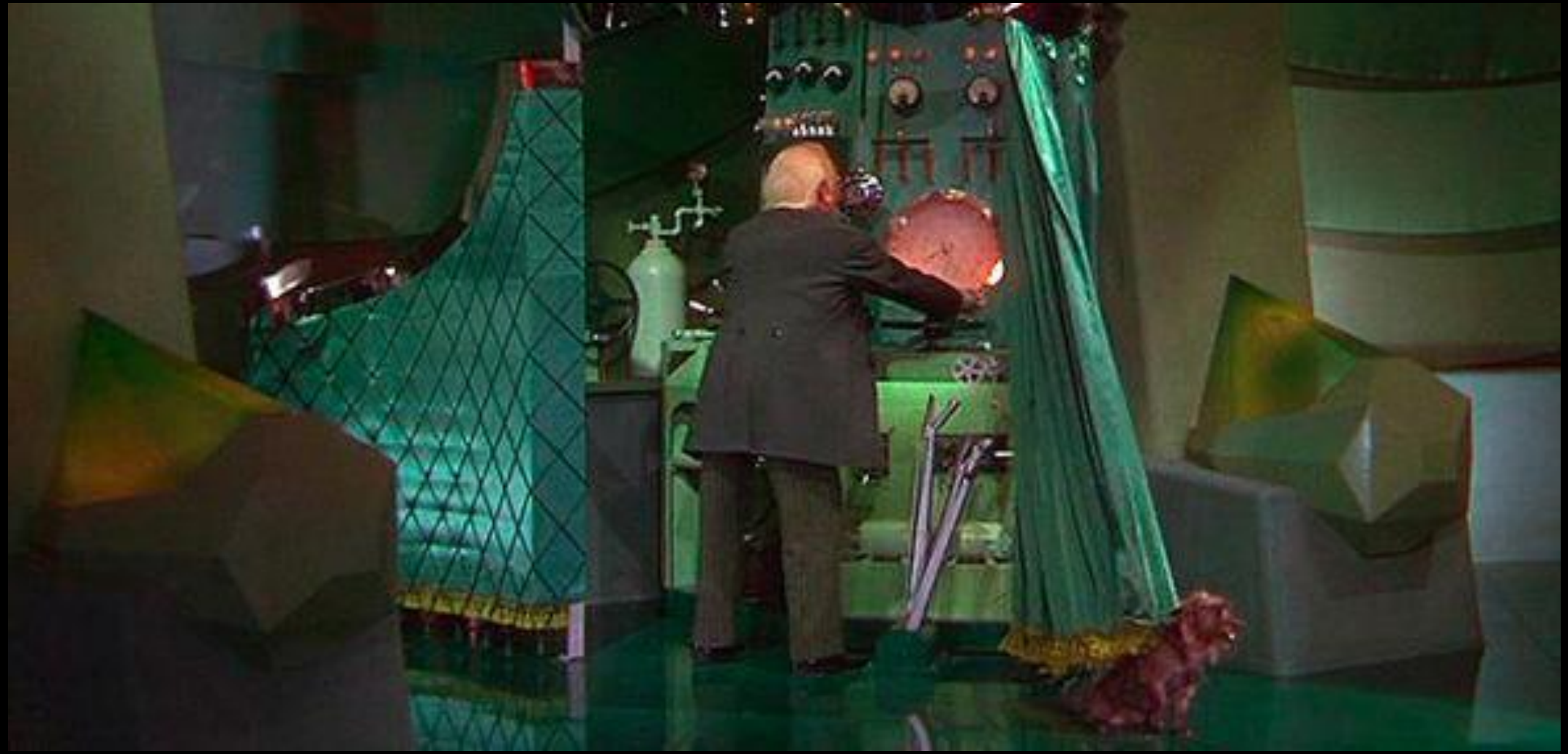
[Click here to test your knowledge](#)



### News and Events

- **NSF Press Release (#15-092)** - NSF awards fifth round of grants to enhance America's biodiversity collections
- **NSF Press Release (#12-082)** - US National Science Foundation awards support for The Macrofungi Collection Consortium, a collaboration of 35 institutions in 24 states for the purpose of databasing some 1.4 million dried scientific specimens of macrofungi (NSF ADBC 1206197).
- **December 2013** - 1,546,358 occurrence records supplied by 31 different data providers have been integrated into MyCoPortal.
- **NEW** - MaCC records are now part of the Zooniverse project *Notes from Nature*. Please help us by transcribing specimen labels ([link](#)).
- Image provided by New York Botanical Garden.





MySQL Workbench

fdex x

File Edit View Query Database Server Tools Scripting Help

Navigator

taxaenumtree taxa taxstatus mb\_taxa

Limit to 50 rows

1 • SELECT \* FROM fdex.taxa;

MANAGEMENT

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    - taxa
    - taxaenumtree
    - taxstatus
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  - record\_production

MySQL Workbench

fdex x

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taxaenumtree taxa taxstatus mb\_taxa

Limit to 50 rows

1 • SELECT \* FROM fdex.taxaenumtree;

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Result Grid

tid	taxauthid	parentid	initialtimestamp
103	1	7	2014-06-19 08:50:51
104	1	7	2014-06-19 08:50:51
105	1	7	2014-06-19 08:50:51
106	1	1	2014-06-19 08:50:51
107	1	7	2014-06-19 08:50:51
108	1	7	2014-06-19 08:50:51
109	1	7	2014-06-19 08:50:51
110	1	7	2014-06-19 08:50:51
111	1	7	2014-06-19 08:50:51
112	1	7	2014-06-19 08:50:51
113	1	7	2014-06-19 08:50:51
114	1	7	2014-06-19 08:50:51
115	1	7	2014-06-19 08:50:51
116	1	7	2014-06-19 08:50:51
117	1	7	2014-06-19 08:50:51
118	1	7	2014-06-19 08:50:51
119	1	7	2014-06-19 08:50:51
120	1	7	2014-06-19 08:50:51
121	1	7	2014-06-19 08:50:51
122	1	7	2014-06-19 08:50:51

MySQL Workbench

fdex x

File Edit View Query Database Server Tools Scripting Help

Navigator

taxaenumtree taxa taxstatus mb\_taxa

Limit to 50 rows

1 • SELECT \* FROM fdex.taxstatus;

Result Grid

tid	tidaccepted	taxauthid	parentid	hierarchysr	uppertaxonomy	family	UnacceptabilityReason	notes	SortSequences	initialtimestamp
1	1	1	1	1	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
2	2	1	2	2	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
3	3	1	3	3	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
4	4	1	4	4	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
5	5	1	5	5	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
6	6	1	6	6	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
7	7	1	7	7	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
8	8	1	8	8	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
9	9	1	9	9	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
10	10	1	10	10	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
11	11	1	11	11	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
12	12	1	12	12	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
103	103	1	7	7	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
104	104	1	7	7	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
105	105	1	7	7	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
106	106	1	11	1	NULL	NULL	NULL	NULL	50	2011-11-18 11:46:16
107	107	1	7	7	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
108	108	1	7	7	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
109	109	1	7	7	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01
110	110	1	7	7	NULL	NULL	NULL	NULL	50	2011-11-19 09:53:01

www.stbases.org/fdex/mycobank/Py\_mycobank.txt

Search

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- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

SCHEMAS

Filter objects

- fdex
  - Tables
    - mb\_taxa
    - taxa
    - taxaenumtree
    - taxstatus
  - Views
  - Stored Procedures
  - Functions
  - record\_production

1 • SELECT \* FROM fdex.mb\_taxa;

Result Grid

fdid	taxon	author	MBnumber	MBid	level	levelNumber	status	currentName	currentMBnumber	currentMBid	parentName	parentMBnumber	par
18	Acanthostoma	Theiss.	20	99106	gen.	13	Legitimate	Phaeodimeriella	3908	97107	Pseudoperispori...	81227	930
19	Acanthotheca	Clem. & Shear	21	99107	gen.	13	Illegitimate	Acanthotheciella	22	93259	Sordariales	90499	926
20	Acanthotheciella	Höhn.	22	93259	gen.	13	Legitimate	Acanthotheciella	22	93259	Sordariales	90499	926
21	Acanthotheciopsis	Zahlbr.	23	99108	gen.	13	Illegitimate	Acanthothecis	24	93260	Graphidaceae	80816	928
22	Acanthothecis	Clem.	24	93260	gen.	13	Legitimate	Acanthothecis	24	93260	Graphidaceae	80816	928
23	Acanthothecium	Vain.	25	442348	gen.	13	Illegitimate	Acanthothecis	24	93260	Graphidaceae	80816	928
24	Acanthothecomycetes	Cif. & Tomas.	26	99109	gen.	13	Illegitimate	Acanthothecis	24	93260	Graphidaceae	80816	928
25	Acariniola	T. Majewski & J. Wisn.	27	99110	gen.	13	Legitimate	Pyxidiophora	4627	57279	Pyxidiophoraceae	81326	930
26	Acarospora	A. Massal.	28	93268	gen.	13	Legitimate	Acarospora	28	93268	Acarosporaceae	80424	926
27	Acarosporina	Sherwood	29	56007	gen.	13	Legitimate	Acarosporina	29	56007	Stictidaceae	81429	931
28	Acarosporomyces	Cif. & Tomas.	30	99111	gen.	13	Legitimate	Acarospora	28	93268	Acarosporaceae	80424	926
29	Acarothallium	Syd.	31	99112	gen.	13	Legitimate	Wentomyces	5770	98941	Pseudoperispori...	81227	930
30	Acerbia	(Sacc.) Sacc. & P. S...	32	99114	gen.	13	Legitimate	Rosenscheldia	4787	97941	Dothideales	90506	924
31	Acerbiella	Sacc. & D. Sacc.	33	93271	gen.	13	Legitimate	Acerbiella	33	93271	Ascomycetes	90028	452
32	Acervus	Kanouse	34	93273	gen.	13	Legitimate	Acervus	34	93273	Pyronemataceae	81322	930
33	Acetabula	(Fr.) Fuckel	35	99116	gen.	13	Legitimate	Helvella	2275	56684	Helvellaceae	80846	928
34	Achaetobotrys	Bat. & Cif.	36	93274	gen.	13	Legitimate	Achaetobotrys	36	93274	Antennulariellac...	80461	926
35	Achaetomiella	Arx	37	56009	gen.	13	Legitimate	Achaetomiella	37	56009	Chaetomiaceae	80582	927
36	Achaetomium	J.N. Rai, J.P. Tewar...	38	56010	gen.	13	Legitimate	Achaetomium	38	56010	Chaetomiaceae	80582	927
37	Acherella	Theiss. & Syd.	39	93278	gen.	13	Legitimate	Acherella	39	93278	Dothideales	90506	924

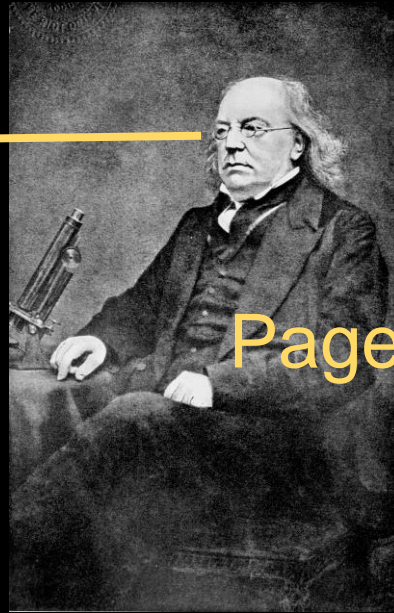
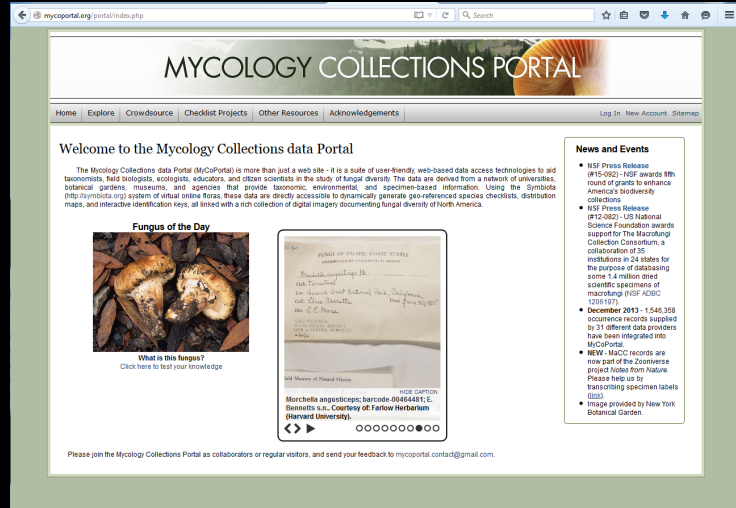
mb\_taxa 1 x

Apply Revert

# MiCC Team

# New Taxa/Updates

# Other workers

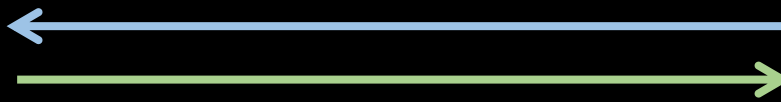
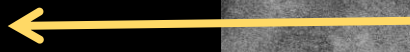
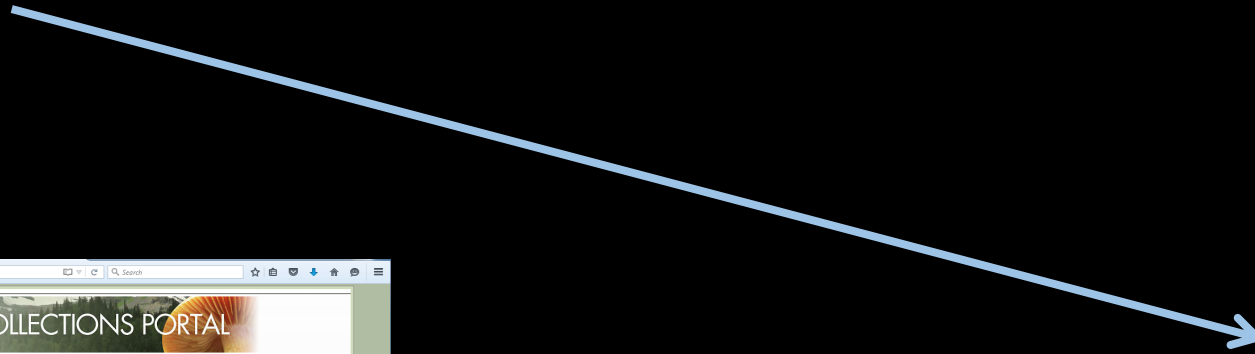


# Mycobank DB

# Mycopoportal DB

# Mycobank API

# Monitoring for changes



## fDex:

**Taxon:** Pyricularia oryzae

**Author:** Cavara

**Mycobank Number:** 224486

**Mycobank Identifier:** 23381

**Taxonomic Level:** sp.

**Taxonomic Level Code:** 20

**Taxonomic Status:** Legitimate

**Current Name:** Pyricularia oryzae

**Current Name Mycobank Number:** 224486

**Current Name Mycobank Identifier:** 23381

**Parent Name:** Pyricularia

**Parent Name Mycobank Number:** 9670

**Parent Name Mycobank Identifier:** 57276

**Last Modified:** 14-01-2014 09:35:53

### Call record via API for Mycobank Number 224486

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I: no. 1-no. 50 [literaturepagenr\_] => no. 49 [literaturejournalbook\_] => Array ( ) [nameyear\_] => 1891 [nametype\_] => Basionym [gender\_] => Feminine [datepublic\_] => Array ( ) [namestatus\_] => Legitimate [namestatus explanation\_] => Array ( ) [remarks\_] => Array ( ) [sanctioningref\_] => Array ( ) [sanctionedby\_] => - [sanctioningname\_pt\_] => Array ( ) [validatedby\_pt\_] => Array ( ) [specimen\_pt\_] => Array ( ) [rlink4703] => Array ( ) [humanpathogenicitycode\_] => - [plantpathogenicitycode\_] => - [codetoxicity\_] => - [currentname\_pt\_] => 23381Pyricularia oryzae [classification\_] => 0Not Found455206Fungi92343Fungi430998Fungi374831Fungi92411Fungi92915Fungi57276Fungi [typename\_pt\_] => Array ( ) [basedon\_pt\_] => Array ( ) [obligatesynonyms\_pt\_] => 161514Dactylaria oryzae [anamorph\_pt\_] => Array ( ) [teleomorph\_pt\_] => 213668Magnaporthe oryzae [facultativesynonyms\_pt\_] => 23389Pyricularia setariae [v4912] => Array ( ) [description\_pt\_] => 13994Pyricularia oryzae Cav. 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[protolog\_pt\_] => Array ( ) [externallinks\_] => Index Fungorum (IF)<http://www.indexfungorum.org/names/NamesRecord.asp?RecordID=224486>Catalogue of Life (CoL)[http://www.catalogueoflife.org/col/search/all/key/Pyricularia oryzae](http://www.catalogueoflife.org/col/search/all/key/Pyricularia%20oryzae)Global Biodiversity Information Facility (GBIF)[http://data.gbif.org/search/Pyricularia oryzae](http://data.gbif.org/search/Pyricularia%20oryzae)Encyclopedia of Life (EOL)[http://www.eol.org/search?q=Pyricularia oryzae](http://www.eol.org/search?q=Pyricularia%20oryzae)Integrated Taxonomic Information System (ITIS)[http://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=Scientific\\_Name&search\\_value=Pyricularia oryzae&search\\_kingdom=Fungal&search\\_span=exactly\\_for&categories=All&source=html&search\\_credRating=All](http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=Scientific_Name&search_value=Pyricularia%20oryzae&search_kingdom=Fungal&search_span=exactly_for&categories=All&source=html&search_credRating=All) [u3732] => Google Scholar[http://scholar.google.com/scholar?q=Pyricularia oryzae](http://scholar.google.com/scholar?q=Pyricularia%20oryzae)PubMed[http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=Search&dopt=DocSum&db=pubmed&term=Pyricularia AND oryzae](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=Search&dopt=DocSum&db=pubmed&term=Pyricularia%20AND%20oryzae)Libri Fungorum<http://www.librifungorum.org/image.asp?ItemID=80&imageName=SyllogeFungorum10-563.jpg> [u3733] => Wikipedia[http://en.wikipedia.org/wiki/Pyricularia oryzae](http://en.wikipedia.org/wiki/Pyricularia_oryzae)Wikispecies[http://species.wikimedia.org/wiki/Pyricularia oryzae](http://species.wikimedia.org/wiki/Pyricularia_oryzae)Wikimedia[http://commons.wikimedia.org/wiki/Pyricularia oryzae](http://commons.wikimedia.org/wiki/Pyricularia_oryzae)Google[http://www.google.com/search?q=Pyricularia oryzae](http://www.google.com/search?q=Pyricularia%20oryzae) [u3734] => NCBI[http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=Search&dopt=DocSum&db=nucleotide&term=Pyricularia AND oryzae](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=Search&dopt=DocSum&db=nucleotide&term=Pyricularia%20AND%20oryzae)EMBL[http://www.ebi.ac.uk/ebisearch/search.ebi?db=allebi&query=Pyricularia oryzae](http://www.ebi.ac.uk/ebisearch/search.ebi?db=allebi&query=Pyricularia%20oryzae)&requestFrom=ebi\_index&submit=+FIND+BOLD Systems[http://www.boldsystems.org/index.php/Taxbrowser\\_Taxonpage?taxon=Pyricularia oryzae](http://www.boldsystems.org/index.php/Taxbrowser_Taxonpage?taxon=Pyricularia%20oryzae) [u3735] => CBS collection[http://www.cbs.knaw.nl/Collections/BioloMICS.aspx?Table=CBS%20strain%20database&TRlink1634=Pyricularia oryzae](http://www.cbs.knaw.nl/Collections/BioloMICS.aspx?Table=CBS%20strain%20database&TRlink1634=Pyricularia%20oryzae)&Fields=TRlink1634&Fields=RLink564&Fields=E13&Fields=E15&ExactMatch=TStrainInfo[http://www.straininfo.net/search?query=Pyricularia oryzae](http://www.straininfo.net/search?query=Pyricularia%20oryzae)FungalDC (All-Russian Collection of Microorganisms, VKM)[http://www.vkm.ru/tbl2.php?vkm=Pyricularia oryzae](http://www.vkm.ru/tbl2.php?vkm=Pyricularia_oryzae)Global Catalog of Microorganisms[http://gcm.wfcc.info/speciesPage.jsp?strain\\_name=Pyricularia oryzae](http://gcm.wfcc.info/speciesPage.jsp?strain_name=Pyricularia_oryzae) [files\_pt\_] => Array ( ) )

**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30

**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

**This record needs to be updated!**

## fDex:

**Taxon:** Pyricularia oryzae

**Author:** Cavara

**Mycobank Number:** 224486

**Mycobank Identifier:** 23381

**Taxonomic Level:** sp.

**Taxonomic Level Code:** 20

**Taxonomic Status:** Legitimate

**Current Name:** Pyricularia oryzae

**Current Name Mycobank Number:** 224486

**Current Name Mycobank Identifier:** 23381

**Parent Name:** Pyricularia

**Parent Name Mycobank Number:** 9670

**Parent Name Mycobank Identifier:** 57276

**Last Modified:** 14-01-2014 09:35:53

### Call record via API for Mycobank Number 224486

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I: no. 1-no. 50 [literaturepagenr\_] => no. 49 [literaturejournalbook\_] => Array ( ) [nameyear\_] => 1891 [nametype\_] => Basionym [gender\_] => Feminine [datepublic\_] => Array ( ) [namestatus\_] => Legitimate [namestatusetymology\_] => Array ( ) [remarks\_] => Array ( ) [sanctioningref\_] => Array ( ) [sanctionedby\_] => - [sanctioningname\_pt\_] => Array ( ) [validatedby\_pt\_] => Array ( ) [specimen\_pt\_] => Array ( ) [rlink4703] => Array ( ) [humanpathogenicitycode\_] => - [plantpathogenicitycode\_] => - [codetoxicity\_] => - [currentname\_pt\_] => 23381Pyricularia oryzae [classification\_] => 0Not Found455206Fungi92343Fungi430998Fungi374831Fungi92411Fungi92915Fungi57276Fungi [typename\_pt\_] => Array ( ) [basedon\_pt\_] => Array ( ) [obligatesynonyms\_pt\_] => 161514Dactylaria oryzae [anamorph\_pt\_] => Array ( ) [teleomorph\_pt\_] => 213668Magnaporthe oryzae [facultativesynonyms\_pt\_] => 23389Pyricularia setariae [v4912] => Array ( ) [description\_pt\_] => 13994Pyricularia oryzae Cav. 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**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30

**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

**This record needs to be updated!**

## fDex:

**Taxon:** Pyricularia oryzae  
**Author:** Cavara  
**Mycobank Number:** 224486  
**Mycobank Identifier:** 23381  
**Taxonomic Level:** sp.  
**Taxonomic Level Code:** 20  
**Taxonomic Status:** Legitimate  
**Current Name:** Pyricularia oryzae  
**Current Name Mycobank Number:** 224486  
**Current Name Mycobank Identifier:** 23381  
**Parent Name:** Pyricularia  
**Parent Name Mycobank Number:** 9670  
**Parent Name Mycobank Identifier:** 57276  
**Last Modified:** 14-01-2014 09:35:53

Call record via API for Mycobank Number 224486

Array ( [creation\_date] => 01/01/2000 [last\_change\_date] => 12/10/2015 20:01:30 [name] => Pyricularia oryzae [e3787] => Pyricularia oryzae Cavara, Fungi Longobardiae exsiccati sive Mycetum specimina in Longobardia collecta, exsiccata et speciebus novis vel criticis, iconibus illustrata Pug. I: no. 49 (1891) [MB#224486] [e4060] => Dactylaria oryzae (Cavara) Sawada, Special Bulletin Agricultural Experiment Station Formosa: 59 (1917) [MB#100582] =Pyricularia setariae Y. Nisik., J. Jap. Bot.: 329 (1927) [MB#121399] [mycobanknr\_] => 224486 [epithet\_] => oryzae [rank\_pt\_] => 20sp. [orthvariantof\_pt\_] => Array ( ) [authors\_] => Cavara [authorsabbrev\_] => Cavara [literature\_pt\_] => 54941Cavara, F. 1891. Fungi Longobardiae exsiccati sive Mycetum specimina in Longobardia collecta, exsiccata et speciebus novis vel criticis, iconibus illustrata. Pug. 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**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30

**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

This record needs to be updated!



## fDex:

**Taxon:** Pyricularia oryzae

**Author:** Cavara

**Mycobank Number:** 224486

**Mycobank Identifier:** 23381

**Taxonomic Level:** sp.

**Taxonomic Level Code:** 20

**Taxonomic Status:** Legitimate

**Current Name:** Pyricularia oryzae

**Current Name Mycobank Number:** 224486

**Current Name Mycobank Identifier:** 23381

**Parent Name:** Pyricularia

**Parent Name Mycobank Number:** 9670

**Parent Name Mycobank Identifier:** 57276

**Last Modified:** 14-01-2014 09:35:53

**Call record via API for Mycobank Number 224486**

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**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30

**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

**This record needs to be updated!**

## fDex:

**Taxon:** Pyricularia oryzae

**Author:** Cavara

**Mycobank Number:** 224486

**Mycobank Identifier:** 23381

**Taxonomic Level:** sp.

**Taxonomic Level Code:** 20

**Taxonomic Status:** Legitimate

**Current Name:** Pyricularia oryzae

**Current Name Mycobank Number:** 224486

**Current Name Mycobank Identifier:** 23381

**Parent Name:** Pyricularia

**Parent Name Mycobank Number:** 9670

**Parent Name Mycobank Identifier:** 57276

**Last Modified:** 14-01-2014 09:35:53

**Call record via API for Mycobank Number 224486**

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**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30

**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

**This record needs to be updated!**

## fDex:

**Taxon:** Pyricularia oryzae

**Author:** Cavara

**Mycobank Number:** 224486

**Mycobank Identifier:** 23381

**Taxonomic Level:** sp.

**Taxonomic Level Code:** 20

**Taxonomic Status:** Legitimate

**Current Name:** Pyricularia oryzae

**Current Name Mycobank Number:** 224486

**Current Name Mycobank Identifier:** 23381

**Parent Name:** Pyricularia

**Parent Name Mycobank Number:** 9670

**Parent Name Mycobank Identifier:** 57276

**Last Modified:** 14-01-2014 09:35:53

**Call record via API for Mycobank Number 224486**

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**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30

**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

**This record needs to be updated!**

## fDex:

**Taxon:** Pyricularia oryzae

**Author:** Cavara

**Mycobank Number:** 224486

**Mycobank Identifier:** 23381

**Taxonomic Level:** sp.

**Taxonomic Level Code:** 20

**Taxonomic Status:** Legitimate

**Current Name:** Pyricularia oryzae

**Current Name Mycobank Number:** 224486

**Current Name Mycobank Identifier:** 23381

**Parent Name:** Pyricularia

**Parent Name Mycobank Number:** 9670

**Parent Name Mycobank Identifier:** 57276

**Last Modified:** 14-01-2014 09:35:53

### Call record via API for Mycobank Number 224486

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Fungi Longob. exsicc. No. 49 cum diagnose 1891. The name was published again as sp. nov. in Briosi & C...22150Pyricularia oryzae Cavara, 1892, Fungi Longobardiae Exsiccati, No. 49. / in Matsushima (1975), p. 121. 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**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30

**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

**This record needs to be updated!**

**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30  
**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

**This record needs to be updated!**

### **Updated fDex:**

**Taxon:** Pyricularia oryzae  
**Author:** Cavara  
**Mycobank Number:** 224486  
**Mycobank Identifier:** 23381  
**Taxonomic Level:** sp.  
**Taxonomic Level Code:** 20  
**Taxonomic Status:** Legitimate  
**Current Name:** Pyricularia oryzae  
**Current Name Mycobank Number:** 224486  
**Current Name Mycobank Identifier:** 23381  
**Parent Name:** Pyricularia  
**Parent Name Mycobank Number:** 9670  
**Parent Name Mycobank Identifier:** 57276  
**Classification:** Fungi, Ascomycota, Pezizomycotina, Sordariomycetes, Sordariomycetidae, Magnaporthaceae, Pyricularia  
**Last Modified:** 12-10-2015 20:01:30

### **Entry in symbmycology.taxstatus table:**

**tid:** 402896  
**tidaccepted:** 402896  
**taxauthid:** 2  
**parenttid:** 10014  
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**uppertaxonomy:** NULL  
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**notes:** NULL  
**SortSequence:** 50

### **Entry in symbmycology.taxaenumtree table:**

**tid:** 402896  
**taxauthid:** 2  
**parenttid:** 10014

**Mycobank Record Date of Last Modification:** 12-10-2015 20:01:30  
**fDex Mycobank Record Date of Last Modification:** 14-01-2014 09:35:53

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**Author:** Cavara

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**Taxonomic Level:** sp.

**Taxonomic Level Code:** 20

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**Current Name Mycobank Number:** 224486

**Current Name Mycobank Identifier:** 23381

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**Parent Name Mycobank Number:** 9670

**Parent Name Mycobank Identifier:** 57276

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**hierarchystr:** 7, 168, 1221, 3559, 6091, 6966, 10014

**uppertaxonomy:** NULL

**family:** NULL

**UnacceptabilityReason:** NULL

**notes:** NULL

**SortSequence:** 50

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**parenttid:** 10014



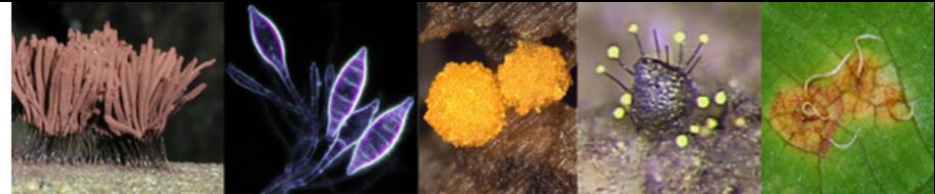


regular expression: `/.*aceae`

# THANKS!



**PURDUE**  
UNIVERSITY



Elizabeth Lippoldt  
Project Manager



Phil Anders  
Biological  
Informatician



Alexander Kuhn  
Digitizer



## The Macrofungi Collections Consortium

