

MYCOTAXON

THE INTERNATIONAL JOURNAL OF FUNGAL TAXONOMY & NOMENCLATURE

VOLUME 132 (3)

JULY–SEPTEMBER 2017



Amanita alpinicola sp. nov.

(Cripps, Lindgren & Barge— FIG. 3, p. 671)

EDITORIAL ADVISORY BOARD

PETER BUCHANAN (2011–2017), Chair
Auckland, New Zealand

SABINE HUHNDORF (2011–2016), Past Chair
Chicago, Illinois, U.S.A.

BRANDON MATHENY (2013-2018)
Knoxville, Tennessee, U.S.A.

KAREN HANSEN (2014-2019)
Stockholm, Sweden

ISSN 0093-4666 (PRINT)

ISSN 2154-8889 (ONLINE)

MYCOTAXON

THE INTERNATIONAL JOURNAL OF FUNGAL TAXONOMY & NOMENCLATURE

JULY–SEPTEMBER 2017

VOLUME 132 (3)

<http://dx.doi.org/10.5248/132-3>

EDITOR-IN-CHIEF

LORELEI L. NORVELL

editor@mycotaxon.com

Pacific Northwest Mycology Service

6720 NW Skyline Boulevard

Portland, Oregon 97229-1309 USA

NOMENCLATURE EDITOR

SHAUN R. PENNYCOOK

PennycookS@LandcareResearch.co.nz

Manaaki Whenua Landcare Research

Auckland, New Zealand

MYCOTAXON, LTD. © 2017

www.mycotaxon.com &

www.ingentaconnect.com/content/mtax/mt

P.O. BOX 264, ITHACA, NY 14581-0264, USA

MYCOTAXON

VOLUME ONE HUNDRED THIRTY-TWO (3) — TABLE OF CONTENTS

132-3: TABLE OF CONTENTS, NOMENCLATURAL UPDATES, PEERS & EDITORIALS

<i>Nomenclatural novelties & typifications proposed in 132(3)</i>	vii
<i>Reviewers</i>	ix
<i>2017 submission procedure</i>	x
<i>From the Editor</i>	xi
<i>In Remembrance</i>	xii

RESEARCH ARTICLES

<i>Lactifluus persicinus</i> sp. nov. from the gallery forests of West Cameroon	LYNN DELGAT, ESKE DE CROP, ANDRÉ-LEDoux NJOUNKOU & ANNEMIEKE VERBEKEN 471
<i>Distoceratosporella digitiformis</i> gen. & sp. nov. from Brazil, <i>Alcornia sessilispora</i> gen. & comb. nov., and three new <i>Distoceratosporella</i> combinations	JOSIANE SANTANA MONTEIRO, SHEILA MIRANDA LEÃO-FERREIRA, LUÍS FERNANDO PASCHOLATI GUSMÃO, PAUL M. KIRK & RAFAEL F. CASTAÑEDA-RUIZ 483
First report of <i>Colletotrichum fioriniae</i> infection of hazelnut	ARZU SEZER, FATMA SARA DOLAR & FILIZ ÜNAL 495
New <i>Calbovista</i> , <i>Mycena</i> , <i>Rhizopogon</i> , <i>Stictis</i> , and <i>Symphyosirinia</i> records from Turkey	İBRAHİM TÜRK EKÜL 503
<i>Tripospermum sinense</i> sp. nov. from China	MIN QIAO, YING HUANG, CHU DENG & ZE-FEN YU 513
<i>Calceispora hachijoensis</i> and <i>Paratomenticola lanceolata</i> , two new records for China	XIAO-MEI WANG, GUO-NIN LIU, XIAO-MAN LIU & XIAO-FENG DU 519
Records of <i>Beltrania rhombica</i> and <i>Didymobotryum rigidum</i> from China	XIAO-MEI WANG, GUO-NIN LIU, SHAN-SHAN CHEN & XIAO-FENG DU 525
New records of <i>Lepraria</i> and <i>Trapelia</i> from China	SHU-KUN YAN, XIANG-XIANG ZHAO, ZHAO-JIE REN & LU-LU ZHANG 531
<i>Lecanora subloekoesii</i> sp. nov. and four other species of the <i>L. subfusca</i> group new to China	LEI LÜ & ZUN-TIAN ZHAO 539
<i>Neosporidesmium wuyishanense</i> sp. nov. from southern China, and a first Chinese record of <i>Morrisographium ulmi</i>	HAO-HUA LI, KAI ZHANG, JI-WEN XIA, CHUN-LING YANG, JIN-YE WANG & XIU-GUO ZHANG 547

- Notes on *Vamsapriya* and *V. camagueyensis* comb. nov.
 RAFAEL F. CASTAÑEDA-RUIZ, XIU-GUO ZHANG,
 DE-WEI LI, LUÍS FERNANDO PASCHOLATI GUSMÃO,
 SIMÓN PÉREZ-MARTÍNEZ & DAYNET SOSA 553
- Wiesneriomyces machilicola* sp. nov. from China
 DE-WEI LI, JING-YUAN CHEN & YI-XUN WANG 559
- Gonatophragmiopsis verrucosa* gen. & sp. nov.
 and *Pithomyces dimorphosporus* sp. nov. from Brazil
 LUÍS FERNANDO PASCHOLATI GUSMÃO,
 JOSIANE SANTANA MONTEIRO & RAFAEL F. CASTAÑEDA-RUIZ 565
- Eight new records of lichenized and lichenicolous fungi
 for Turkey
 MEHMET CANDAN 575
- Zygosporium verruciferum* sp. nov., on *Solanum lycopersicum*
 from Venezuela
 LILIANYEL LUCENA & ROBERTO C. FERNÁNDEZ VALENCIA 585
- Diaporthe camptothecicola* sp. nov., on *Camptotheca acuminata*
 in China
 QIN YANG, XIN-LEI FAN,
 ZHUO DU, YING-MEI LIANG & CHENG-MING TIAN 591
- New species of *Cephalotrichum*, *Leptographium*, and
Myrothecium from soil in China
 YU-LAN JIANG, YUE-MING WU,
 BIN YANG, JUN-JIE XU, ZHENG-GAO ZHANG, YUE-LI ZHANG & TIAN-YU ZHANG 603
- First record of bioluminescence in fungi from Mexico
 ALONSO CORTÉS PÉREZ, FLORENCIA RAMÍREZ GUILLÉN,
 ROSARIO MEDEL & ALAN ROCKEFELLER 611
- Catenularia variegata* sp. nov. from southern China
 and a first Chinese record of *Xylocladium clautriavii*
 HAO-HUA LI, KAI ZHANG, JI-WEN XIA,
 JIN-YE WANG, CHUN-LING YANG & XIU-GUO ZHANG 621
- Drechslera*, *Fusariella*, *Coniochaeta*, and *Pyricularia* spp. nov.
 from soil in China
 YU-LAN JIANG, YUE-MING WU, ZHENG-GAO ZHANG,
 JIN-HUA KONG, HONG-FENG WANG & TIAN-YU ZHANG 627
- Tuber magnatum* in Thailand, a first report from Asia
 NAKARIN SUWANNARACH, JATURONG KUMLA,
 JOMKWAN MEERAK & SAISAMORN LUMYONG 635
- Craspedodidymella matogrossensis* gen. & sp. nov.
 from the Brazilian Amazon rainforest
 FLAVIA RODRIGUES BARBOSA,
 LUÍS FERNANDO PASCHOLATI GUSMÃO & RAFAEL FELIPE CASTAÑEDA-RUIZ 643
- Notes on some myxomycetes from Crimea (Ukraine)
 G. MORENO, A. LÓPEZ-VILLALBA, A. CASTILLO,
 K.O. ROMANENKO & D.V. LEONTYEV 649

Amanita alpicicola sp. nov., associated with *Pinus albicaulis*,
a western 5-needle pine

CATHY L. CRIPPS, JANET E. LINDGREN & EDWARD G. BARGE 665

Cladosporium, *Phialophora*, *Pseudoramichloridium* &

Ticogloea spp. nov. from China YU-LAN JIANG, YUE-MING WU, BIN YANG,

JUN-JIE XU, ZHENG-GAO ZHANG, JIN-HUA KONG & TIAN-YU ZHANG 677

Phylloporus brunneiceps from Pakistan

A. NASEER, A.N. KHALID & A.R. NIAZI 685

Zelotetraploa aquatica gen. & sp. nov. and *Blastoheterospora catenata*
gen. & sp. nov., from submerged wood from Brazil

JOSIANE SANTANA MONTEIRO,

LUÍS FERNANDO PASCHOLATI GUSMÃO & RAFAEL F. CASTAÑEDA-RUIZ 695

REGIONAL MYCOBIOTA NEW TO THE MYCOTAXON WEBSITE

Fungi and fungus-like organisms of Homilsha Forests National Park, Ukraine 705

OLEH V. PRYLUTSKYI, OLEXANDER YU. AKULOV, DMITRY V. LEONTYEV,

ALEXANDER V. ORDYNETS, IRYNA I. YATSIUK, ANDRIY S. USICHENKO &

ANTON O. SAVCHENKO

NOMENCLATURAL NOVELTIES AND TYPIFICATIONS
 PROPOSED IN MYCOTAXON 132(3)

- Alcornia* J.S. Monteiro, S.M. Leão, Gusmão, P.M. Kirk & R.F. Castañeda
 [IF 553580], p. 486
- Alcornia sessilispora* (Alcorn & P.M. Kirk) J.S. Monteiro, S.M. Leão, Gusmão,
 P.M. Kirk & R.F. Castañeda [IF553581], p. 486
- Amanita alpinicola* C. Cripps & J. Lindgr.
 [MB 812991], p. 669
- Blastoheterospora* J.S. Monteiro, Gusmão & R.F. Castañeda
 [MB 822124], p. 698
- Blastoheterospora catenata* J.S. Monteiro, Gusmão & R.F. Castañeda
 [MB 822125], p. 698
- Catenularia variegata* H.H. Li & X.G. Zhang
 [MB 822506], p. 621
- Cephalotrichum turriforme* T.Y. Zhang, Y.L. Jiang & Y.M. Wu
 [MB 820187], p. 604
- Cladosporium ningboense* J.J. Xu, Y.M. Wu & T.Y. Zhang
 [MB 820628], p. 678
- Coniochaeta xinjiangensis* J.H. Kong & T.Y. Zhang
 [MB 822522], p. 630
- Craspedodidymella* F.R. Barbosa, R.F. Castañeda & Gusmão
 [MB 820502], p. 644
- Craspedodidymella mattogrossensis* F.R. Barbosa, R.F. Castañeda & Gusmão
 [MB 820503], p. 644
- Diaporthe camptothecicola* C.M. Tian & Qin Yang
 [MB 822351], p. 596
- Distoceratosporella* J.S. Monteiro, Gusmão, & R.F. Castañeda
 [IF 553582], p. 489
- Distoceratosporella amazonica* (J.S. Monteiro & Gusmão) J.S. Monteiro,
 Gusmão, & R.F. Castañeda [IF 553584], p. 492
- Distoceratosporella digitiformis* J.S. Monteiro, Gusmão & R.F. Castañeda
 [IF 553583], p. 490
- Distoceratosporella hernandezii* (J.S. Monteiro & Gusmão) J.S. Monteiro,
 Gusmão & R.F. Castañeda [IF 553585], p. 492
- Distoceratosporella longiramosa* (R.F. Castañeda) R.F. Castañeda,
 J.S. Monteiro & Gusmão [IF 553586], p. 492
- Drechslera elliptica* H.F. Wang & T.Y. Zhang
 [MB 819404], p. 627
- Fusariella verrucosa* J.H. Kong & T.Y. Zhang
 [MB 819405], p. 630

- Gonatophragmiopsis* Gusmão, J.S. Monteiro, & R.F. Castañeda
[MB 822036], p. 566
- Gonatophragmiopsis verrucosa* Gusmão, J.S. Monteiro, & R.F. Castañeda
[MB 822037], p. 566
- Lactifluus persicinus* Delgat & De Crop
[MB 817873], p. 475
- Lecanora subloekoesii* Z.T. Zhao & L. Lü
[MB 812188], p. 540
- Leptographium lateritium* J.J. Xu & T.Y. Zhang
[MB 818979], p. 606
- Myrothecium curvisporum* Y.L. Zhang & T.Y. Zhang
[MB 818980], p. 607
- Neosporidesmium wuyishanense* H.H. Li & X.G. Zhang
[MB 822164], p. 548
- Phialophora dimorphospora* J.J. Xu & T.Y. Zhang
[MB 820631], p. 680
- Pithomyces dimorphosporus* Gusmão, J.S. Monteiro, & R.F. Castañeda
[MB 822038], p. 569
- Pseudoramichloridium xinjiangense* T.Y. Zhang & J.H. Kong
[MB 820632], p. 680
- Pyricularia korlaensis* J.H. Kong & T.Y. Zhang
[MB 820186], p. 631
- Ticogloea elliptica* T.Y. Zhang, Y.M. Wu & J.J. Xu
[MB 820633], p. 682
- Tripospermum sinense* Ying Huang & Z.F. Yu
[MB 815346], p. 514
- Vamsapriya camagueyensis* (R.F. Castañeda) R.F. Castañeda, X.G. Zhang &
Gusmão [IF 552810], p. 554
- Wiesneriomyces machilicola* D.W. Li, Jing Y. Chen & Yi X. Wang
[MB 819827], p. 560
- Zelotetraploa* J.S. Monteiro, Gusmão & R.F. Castañeda
[MB 822122], p. 696
- Zelotetraploa aquatica* J.S. Monteiro, Gusmão & R.F. Castañeda
[MB 822123], p. 696
- Zygosporium verruciferum* L. Lucena
[MB 821676], p. 586

REVIEWERS — VOLUME ONE HUNDRED THIRTY-TWO (3)

The Editors express their appreciation to the following individuals who have, prior to acceptance for publication, reviewed one or more of the papers prepared for this quarter.

Najam ul Sehar Afshan	Josiane Santana Monteiro
Ilgaz Akata	Lorelei L. Norvell
Michael W. Beug	Shaun R. Pennycook
Wolfgang von Brackel	Mykola P. Prydiuk
Irwin M. Brodo	V. Ramírez-Cruz
R.F. Castañeda-Ruiz	Amy Rossman
Dennis E. Desjardin	Irja Saar
Ursula Eberhardt	Toyozo Sato
Shouyu Guo	Ertugrul Sesli
Luís Fernando Pascholati Gusmão	Steven L. Stephenson
Shah Hussain	Ave Suija
Ze-Feng Jia	Wen-Xiu Sun
James C. Lendemer	Andy Taylor
De-Wei Li	Steven A. Trudell
Ying-Ren Lin	Else C. Vellinga
Marcos Lizárraga Escobar	Bevan Weir
Quan Lu	Jun-Jie Xu
Jian Ma	Nian-Kai Zeng
Eric H.C. McKenzie	Xiu-Guo Zhang

2017 MYCOTAXON SUBMISSION PROCEDURE

Prospective MYCOTAXON authors should download the MYCOTAXON 2017 guide, review & submission forms, and MYCOTAXON sample manuscript by clicking the 'file download page' link on our INSTRUCTIONS TO AUTHORS page before preparing their manuscript. This page summarizes our '4-step' submission process.

1—PEER REVIEW: Authors first contact two (for journal papers) or three (for annotated species 'weblists') peer reviewers before sending them formatted text & illustration files and the appropriate 2017 MYCOTAXON journal or weblist reviewer comment form. Experts return revisions & comments to BOTH the *Editor-in-Chief* <editor@mycotaxon.com> and authors. The authors correct their files before submitting their manuscript to the *Nomenclature Editor*.

2—NOMENCLATURE REVIEW: Email all **ERROR-FREE** text and illustration files to the *Nomenclature Editor* <PennycookS@LandcareResearch.co.nz>. Place **first author surname + genus + 'MYCOTAXON'** on the subject line; list title & coauthors and peer reviewer names & Email addresses in the message. The Nomenclature Editor will (i) reply immediately with the accession number and (2) return his notes with suggested revisions to the author(s) and *Editor-in-Chief* after a few weeks.

3—FINAL SUBMISSION: Authors should consult experts and thoroughly revise and proof-read manuscripts to prepare error-free text and image files ready for immediate publication. **LABEL** the final submission email to the *Editor-in-Chief* <editor@mycotaxon.com> and **all files & forms with accession number**; attach the (i) 2017 submission form, (ii) labeled text files, (iii) labeled jpg files, and [required] (iv) FN, IF, or MB identification verification for each new name. The *Editor-in-Chief* usually contacts all coauthors and expert reviewers within two weeks of final submission, but please wait at least 14 days before sending a follow-up query (without attachments).

4—FINAL EDITORIAL REVIEW: Files with errors will be rejected or returned for revision. The *Editor-in-Chief* conducts a final grammatical and scientific review and returns her editorial revisions to all expert reviewers and coauthors for final author approval. Author-approved files are placed in the publication queue.

The PDF proof and bibliographic & nomenclatural index entries will be sent to all coauthors for final inspection. After PDF processing, the *Editor-in-Chief* corrects ONLY PDF editorial/conversion and index entry errors; corrections of all other errors are listed in the ERRATA of a subsequent issue for no charge. Authors should arrange payment of page charges and optional open access fees with the *Business Manager* <subscriptions@mycotaxon.com> at this time.

MYCOTAXON LTD— www.mycotaxon.com

The MYCOTAXON *Webmaster* <mycotaxon@gmail.com> posts announcements, subscription & publications information, and author forms & templates on the official MYCOTAXON site. Our server also hosts the regional mycobiota webpage for free download of distributional annotated species lists.

MYCOTAXON ONLINE— www.ingentaconnect.com/content/mtax/mt

MYCOTAXON publishes four quarterly issues per year. Both open access and subscription articles are offered.

FROM THE EDITOR-IN-CHIEF

TYPE DESCRIPTIONS AND RANGE EXTENSIONS—In MYCOTAXON 132-1 (ix–x), we announced our new requirements for papers devoted to range extensions of previously named taxa. These included the presentation of an original technical description based on the newly collected specimens, an illustration, a list of the specimens examined, and a discussion comparing the new record with previously published descriptions/data for the taxon.

One item we did not cover is the importance of referring to original (type) descriptions and well-researched monographs to confirm an identification prior to publishing a new record. Referring to the more general literature (such as pictorial field guides) are very helpful during the initial identification process, but it is unwise to rely on literature published for a country well removed from the new collection: a species reported from England may well present different features from the type originally described from Japan. The **original** type description or a complete description based on material from the type locality should always be compared with an extralimital collection before publishing a range extension.

MYCOTAXON 132(3) contains 27 papers by 114 authors (representing 16 countries) and revised by 38 expert reviewers.

Within its pages are six new genera (*Alcornia*, *Blastoheterospora*, *Craspedodidymella*, *Distoceratosporella*, *Gonatophragmiopsis*, *Zelotetraploa*, all from Brazil) and 26 species new to science representing *Amanita* from the U.S.A.; *Blastoheterospora*, *Craspedodidymella*, *Distoceratosporella*, *Gonatophragmiopsis*, *Pithomyces*, *Zelotetraploa* from Brazil; *Catenularia*, *Cephalotrichum*, *Cladosporium*, *Coniochaeta*, *Diaporthe*, *Drechslera*, *Fusariella*, *Lecanora*, *Leptographium*, *Myrothecium*, *Neosporidesmium*, *Phialophora*, *Pseudoramichloridium*, *Pyricularia*, *Ticogloea*, *Tripospermum*, *Wiesneriomyces* from China; *Lactifluus* from Cameroon; and *Zygosporium* from Venezuela.

In addition to range extensions for previously named taxa covering macrofungi (Pakistan, Thailand, Turkey), hyphomycetes (China), lichens & lichenicolous fungi (China, Turkey), and myxomycetes (Ukraine), we also offer new combinations in *Alcornia*, *Distoceratosporella*, and *Vamsapriya* together with excellent documentations of *Colletotrichum fioriniae* infecting hazelnut in Turkey and bioluminescence (*Mycena*, *Panellus*) in Mexico.

Warm regards,

Lorelei L. Norvell (*Editor-in-Chief*)

27 September 2017

IN REMEMBRANCE

MARCOS FÁBIO DE OLIVEIRA MARQUES (1980–2017): Marcos Fábio was born on March 28, 1980, in the municipality of Feira de Santana, Bahia, Brazil. After graduating in the biological sciences from State University of Feira de Santana (UEFS), he obtained his masters in Fungal Biology (2001) from Federal University of Pernambuco (UFPE) and his doctorate in Botany (2006) from UEFS, where he focused on the taxonomy, ecology, and popularization of mycology and eventually earned the affectionate nickname of “Funguinho” from his students and colleagues. At the time of his sudden death at the age of 37, Dr. Marques was Full Professor of the undergraduate Biological Sciences program and the Vegetal Biodiversity graduate program and served as Director of the Department of Education of the State University of Bahia (DEDC/UNEB – Campus VII).



Courtesy of Luis F.P. Gusmão

He concentrated his study on conidial fungi, especially from the semi-arid region of Northeast of Brazil, where he collected many rare or uncommon asexual fungi. Marcos had a finely honed sense for new fungal taxa in the Brazilian Semi-arid region, which he shared with his students. Listed (as “M.F.O. Marques”) in MycoBank and Index Fungorum as author or coauthor of two new genera and seven new species, Prof. Marques contributed to 23 articles on the taxonomy, diversity and ecology of conidial fungi [https://www.researchgate.net/profile/Marcos_Marques3]. He published in MYCOTAXON (eight papers) and other journals including ACTA



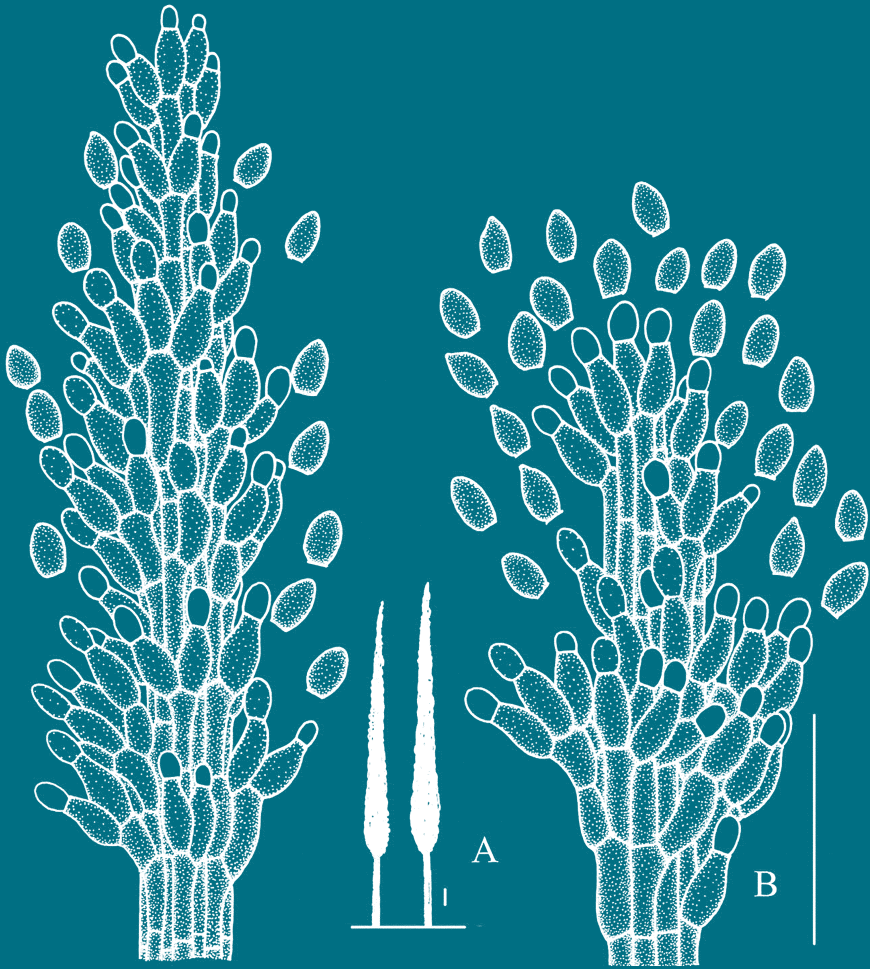
ResearchGate photo

BOTANICA BRASILICA, BRAZILIAN JOURNAL OF BOTANY, JOURNAL OF FORESTRY RESEARCH, and MYCOLOGIA.

Dr. Luís F. P. Gusmão (UEFS), who shared the above 2015 photograph of his colleague at the Espaço–Ciência Micológica/UNEB, writes: “Dr. Marcos Fabio Oliveira Marques was one of my first students in the undergraduate course in

biological sciences at UEFS. From the beginning he showed great promise in mycology. He loved the taxonomy of conidial fungi and soon became a specialist and master of this group. However, as taxonomy alone was not enough, he combined ecology with taxonomy for his PhD. I was supervisor of Marcos in all the phases of his mycological development and I am sure that we lost a promising and excellent mycologist. My last meeting with Marcos was in June / 2017 during an evaluation of two doctoral theses of my students in. Marcos died as a result of a car crash on August 3, 2017.”





Cephalotrichum tuffiforme sp. nov.

(Jiang, Wu & al.— FIG. 1, p. 605)

YUE-MING WU, artist