Mucorales between food and infection
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Appendix
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Curriculum vitae

Somayeh Dolatabadi was born on 18th March 1982 in Sabzevar, a city in the North East of Iran. She studied biology at the University of Mashhad, which is the center of the same province as her hometown. In 2007, she moved to Bangalore, Karnataka, India, for a master in biotechnology. She achieved her first-class master degree in July 2009. In 2011 she was accepted as a PhD student by Prof. dr. G. S. de Hoog and Prof. dr. S. B. J. Menken from Amsterdam University, IBED (Institute for Biodiversity and Ecosystem Dynamics). Her research was conducted at the CBS-KNAW Fungal Biodiversity Centre from Feb 2011 till Feb 2015. Her main research work concerned mucoralean fungi which are involved in food preparation as well as in human infections.

List of publications


**Oral and poster presentations**


Walther G, Dolatabadi S, de Hoog GS. Rhizopus arrhizus vs. R. oryzae vs. R. delemar—species concept and recommended nomenclature of the Rhizopus arrhizus complex. DMykG, Salzburg, Germany, 4-6 September 2014
Kaerger K, Schwartze VU, Dolatabadi S, Binder U, de Hoog GS, Jacobsen ID, Voigt K. Virulence potential of Rhizopus spp. (Mucoromycotina) tested by avian and invertebrate infection models, phylogeny, physiological and metabolic flexibility. DMykG, Salzburg, Germany, 4-6 September 2014

Dolatabadi S, Jacobsen ID, Binder U, de Hoog GS. Alternative infection models to investigate virulence in Rhizopus. 3rd international forum on zygomycosis, Marathone, Greece, 19-21 September 2014

Bakhshizadeh M, Hashemian HR, Najafzadeh MJ, Dolatabadi S, Zarrinfar H. First report of rhinosinusitis caused by Neoscytalidium dimidiatum in Iran. 3rd Iranian Congress on Medical Mycology, Tehran, 5-7 May 2014


Dolatabadi S, de Hoog GS. Embryonated eggs as an alternative infection model to investigate Rhizopus microsporus virulence. 6th Trends in Medical Mycology, Copenhagen, Denmark, 11-14 October 2013


Najafzadeh MJ, Dolatabadi S, Saradeghi Keisari M, Feng P, de Hoog GS. A practical method for the detection and identification of systemic Exophiala species by Rolling Circle Amplification, based on sequence polymorphism of the ribosomal Internal Transcribed Spacer. 18th ISHAM Congress, Berlin, Germany, 11-15 June 2012

Dolatabadi S, Walther G, de Hoog GS. Diversity of Rhizopus microsporus and its medical significance. 18th ISHAM Congress, Berlin, Germany, 11-15 June 2012

**Dolatabadi S.** Walther G, Gerrits van den Ende AHG, de Hoog GS. Biological and phylogenetical species concept of Rhizopus microsporus. 3rd International Conference on Microbial Communication, Jena, Germany, 5-8 November 2012

**Courses and workshops**
Current trends in phylogenetics, Wageningen, The Netherlands, October 2011
Course on medical mycology, Utrecht, The Netherlands, March 2011
CBS course on photoshop, Utrecht, The Netherlands, May 2012
Bioinformatics- a user’s approach, Utrecht, The Netherlands, August 2013
Techniques for writing and presenting a scientific paper, Wageningen, The Netherlands, October 2013
Mass Spectrometry, Proteomics and Protein Research, Amsterdam, The Netherlands, November 2013
Zygomycetes workshop, Utrecht, The Netherlands, 3-5 March 2011
Diversity and barcoding of medical fungi, Utrecht, The Netherlands 22-23 April 2014
One fungus which name symposium, Amsterdam, The Netherlands 12-13 April 2012
One fungus which gene symposium, Amsterdam, The Netherlands 10-11 April 2013
Genera and genomes, Amsterdam, The Netherlands 24-25 April 2014
ECFG12, 12th European Conference on Fungal Genomics, Seville, Spain 23-27 March 2014
ECCMID, 24th European society of clinical microbiology and infectious disease, Barcelona, Spain 10-13 May 2014

**Internship**
Establishing new model organisms: HKI institute, Jena University, Jena, Germany 2012
Barcoding of fungi, Barcoding group, CBS-KNAW, Utrecht, The Netherlands, 2013

**Co-author contributions**
**Diversity and delimitation of *Rhizopus microsporus***
Somayeh Dolatabadi, Grit Walther, A.H.G. Gerrits van den Ende, G. Sybren de Hoog
Somayeh Dolatabadi did the practical work, analyzed the data, and wrote the manuscript.
Grit Walther contributed to data analysis and taxonomy.
A.H.G. Gerrits van den Ende helped with physiological tests.
G. Sybren de Hoog was project leader; he edited and revised the manuscript.

Species boundaries and nomenclature of *Rhizopus arrhizus* (syn. *R. oryzae*)
Somayeh Dolatabadi, G. Sybren de Hoog, Jacques F. Meis, Grit Walther

Somayeh Dolatabadi did the practical work, analyzed the data, and wrote the manuscript.
G. Sybren de Hoog was project leader; he edited and revised the manuscript.
Jacques F. Meis supervised AFLP testing.
Grit Walther shared a part of her data, commented on the manuscript and advised on taxonomy.

Rapid screening for human-pathogenic Mucorales using Rolling Circle Amplification
Somayeh Dolatabadi, Mohammad J. Najafzadeh, G. Sybren de Hoog

Somayeh Dolatabadi performed the test and wrote the manuscript.
Mohammad J. Najafzadeh designed the primers used in the study.
G. Sybren de Hoog was project leader; he edited and revised the manuscript.

Diagnostics of clinical *Rhizopus* species by Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry (MALDI-TOF MS)
Somayeh Dolatabadi, Anna Kolecka, Matthijs Versteeg, G. Sybren de Hoog, Teun Boekhout

Somayeh Dolatabadi provided basic data, did the practical work, and wrote the manuscript.
Anna Kolecka helped with practical work and revised the manuscript.
Matthijs Versteeg helped with the practical work.
G. Sybren de Hoog was the supervisor of the project and edited and revised the manuscript.
Teun Boekhout provided facilities for this study, advised on the technique and on preparation of the manuscript.
Appendix

Adaptation to thermotolerance in *Rhizopus* coincides with virulence as revealed by avian and invertebrate infection models, phylogeny, physiological and metabolic flexibility
Kerstin Kaerger, Volker U. Schwartze, Somayeh Dolatabadi, Ildikó Nyilasi, Stella A. Kovács, Ulrike Binder, Tamás Papp, G. Sybren de Hoog, Ilse D. Jacobsen, Kerstin Voigt

*Kerstin Kaerger* was the organizer and coordinator of the study and wrote the manuscript.
*Volker U. Schwartze* was involved in the practical work and contributed to the manuscript.
*Somayeh Dolatabadi* was involved in the practical work and contributed to the manuscript.
*Ildikó Nyilasi* performed part of the practical work.
*Stella A. Kovács* performed part of the practical work.
*Ulrike Binder* performed part of the practical work.
*Tamás Papp* performed part of the practical work.
*G. Sybren de Hoog* revised the manuscript.
*Ilse D. Jacobsen* performed part of the practical work and revised the manuscript.
*Kerstin Voigt* revised the manuscript.

Virulence of *Rhizopus* species compared with two alternative model systems
Somayeh Dolatabadi, Ilse Jacobsen, Ulrike Binder, G. Sybren de Hoog

*Somayeh Dolatabadi* performed the practical work and wrote the manuscript.
*Ilse Jacobsen* shared her knowledge on methodology, and commented and revised the manuscript.
*Ulrike Binder* helped with practical work and wrote the manuscript.
*G. Sybren de Hoog* was project leader and coordinator of the study and revised the manuscript.

Food preparation with potentially unsafe fungi: a new biosafety issue?
Somayeh Dolatabadi, Kirstin Scherlach, Marjan Figge, Christian Hertweck, Jan Dijksterhuis, Rob A. Samson, Steph B. J. Menken, G. Sybren de Hoog

*Somayeh Dolatabadi* performed part of the practical work and wrote the manuscript.
*Kirstin Scherlach* performed the HPLC.
*Marjan Figge* provided data and knowledge on bacteria.
Christian Hertweck provided and advised on the HPLC technique.
Jan Dijksterhuis provided general comments and revised the manuscript.
Rob A. Samson provided general comments and revised the manuscript.
Steph B. J. Menken revised the manuscript.
G. Sybren de Hoog advised on the study and revised the manuscript.