

## REFERENCES

- Abe, A., K. Asano and T. Sone.** 2010. A molecular phylogeny-based taxonomy of the genus *Rhizopus*. *Biosci. Biotechnol. Biochem.* 74: 1325-1331.
- Abliz, P., K. Fukushima, K. Takizawa et al.** 2003. Specific oligonucleotide primers for identification of *Hortaea werneckii*, a causative agent of tinea nigra. *Diagn. Microbiol. Infect. Dis.* 46: 89-93.
- Abliz, P., K. Fukushima, K., Takizawa et al.** 2003. Rapid identification of the genus *Fonsecaea* by PCR with specific oligonucleotide primers. *J. Clin. Microbiol.* 41: 873-876.
- Abliz, P., K. Fukushima, K. Takizawa et al.** 2004. Specific oligonucleotide primers for identification of *Cladophialophora carrionii*, a causative agent of chromoblastomycosis. *J. Clin. Microbiol.* 42: 404-407.
- Adam, R.D., M.L. Paquin, E.A. Petersen et al.** 1986. Phaeohyphomycosis caused by the fungal genera *Bipolaris* and *Exserohilum*. A report of 9 cases and review of the literature. *Medicine.* 65: 203-217.
- Ahmed, S.A., W.W.J. van de Sande, D.A. Stevens et al.** 2014a. Revision of agents of black-grain eumycetoma in the order Pleosporales. *Persoonia* 33: 141-154.
- Ahmed, S.A., B.H.G. van den Ende, A.H. Fahal et al.** 2014b. Rapid Identification of Black Grain Eumycetoma Causative Agents Using Rolling Circle Amplification. *PLoS Negl. Trop. Dis.* 8(12): e3368.
- Ajello, L.** 1957. *Coccidioides immitis*: Isolation procedures and diagnostic criteria. Proceedings of symposium on Coccidioidomycosis. Public Health Publication No. 575, CDC Atlanta, USA.
- Ajello, L.** 1977. Taxonomy of the dermatophytes: a review of their imperfect and perfect states. In "Recent Advances in Medical and Veterinary Mycology" (K. Iwata, ed.), pp. 289-297. University Park Press, Baltimore, Maryland, USA.
- Ajello, L., D.F. Dean and R.S. Irwin.** 1976. The zygomycete *Saksenaea vasiformis* as a pathogen of humans with a critical review of the etiology of zygomycosis. *Mycologia.* 68: 52-62.
- Alastruey-Izquierdo A, K. Hoffman, G.S. de Hoog et al.** 2010. Species recognition and clinical relevance of the zygomycetous genus *Lichtheimia* (syn, *Absidia* pro parte, *Mycocladius*). *J. Clin. Microbiol.* 48: 2154-2170.
- Alcoba-Flórez, J., S. Méndez-Álvarez, J. Cano et al.** 2005. Phenotypic and molecular characterization of *Candida nivariensis* sp. nov., a possible new opportunistic fungus. *J. Clin. Microbiol.* 43: 4107-4111.
- Alcorn, J.L.** 1983. Genetic concepts in *Drechslera*, *Bipolaris* and *Exserohilum*. *Mycotaxon.* 17: 1-86.
- Al-Hatmi, A.M.S., A.D. van Diepeningen, I. Curfs-Breuker et al.** 2015. Specific antifungal susceptibility profiles of opportunists in the *Fusarium fujikuroi* complex. *J. Antimicrob. Chemother.* 70: 1068-1071.
- Al-Mohsen, I.Z., D.A. Sutton, L. Sigler et al.** 2000. *Acrophialophora fusispora* brain abscess in a child with acute lymphoblastic leukaemia: review of cases and taxonomy. *J. Clin. Microbiol.* 38: 4569-4576.
- Alshawa, K., J.L. Beretti, C. Lacroix et al.** 2012. Successful identification of clinical dermatophyte and *Neoscytalidium* species by matrix-assisted laser desorption ionization-time of flight mass spectrometry. *J. Clin. Microbiol.* 50: 2277-2281.
- Alvarado-Ramirez, E. and J.M. Torres-Rodriguez.** 2007. *In vitro* susceptibility of *Sporothrix schenckii* to six antifungal agents using three different methods. *Antimicrob. Agents Chemother.* 60: 658-661.
- Alvarez, E., D.A. Sutton, J. Cano et al.** 2009. Spectrum of zygomycete species identified in clinically significant specimens in the United States. *J. Clin. Microbiol.* 47: 1650-1656.

## REFERENCES

- Alvarez, E., A.M. Stchigel, J. Cano, et al.** 2010. Molecular phylogenetic diversity of the emerging mucoralean fungus *Apophysomyces*: proposal of three new species. *Revta Iberoam. Micol.* 27: 80-89.
- Alvarez, E., D. Garcia-Hermoso, D.A. Sutton, et al.** 2010. Molecular phylogeny and proposal of two new species of the emerging pathogenic fungus *Saksenaea*. *J. Clin. Microbiol.* 48: 4410-4416.
- Alshawa, K., J.L. Beretti, C. Lacroix et al.** 2012. Successful identification of clinical dermatophyte and *Neoscytalidium* species by matrix-assisted laser desorption ionization-time of flight mass spectrometry. *J. Clin. Microbiol.* 50: 2277-2281.
- Ames, L.M.** 1963. A monograph of the Chaetomiaceae. U.S. Army Research and Development Serial. 2: 1-125.
- Andrianopoulos, A.** 2002. Control of morphogenesis in the human fungal pathogen *Penicillium marneffeii*. *Int. J. Med. Microbiol.* 292: 331-347.
- Arendrup, M.C., T. Boekhout, M. Akova et al.** 2014. ESCMID and ECMM joint clinical guidelines for the diagnosis and management of rare invasive yeast infections. *Clin. Microbiol. Infect.* 20 (Suppl. 3): 76-98.
- Arzanlou, M., J.Z. Groenewald, W. Gams. et al.** 2007. Phylogenetic and morphotaxonomic revision of *Ramichloridium* and allied Genera. *Stud. Mycol.* 58: 57-93.
- Asadzadeh, M., S. Ahmad, N. Al-Sweih et al.** 2009. Rapid molecular differentiation and genotypic heterogeneity among *Candida parapsilosis* and *Candida orthopsilosis* strains isolated from clinical specimens in Kuwait. *J. Med. Microbiol.* 58: 745-52.
- Atkins, S.D., I.M. Clark, S. Pande et al.** 2005. The use of real-time PCR and species-specific primers for the identification and monitoring of *Paecilomyces lilacinus*. *FEMS Microbiol. Ecol.* 51: 257-264.
- Aveskamp, M.M., J. de Gruyter, J.H.C. Woudenberg et al.** 2010. Highlights of the *Didymellaceae*: A polyphasic approach to characterise *Phoma* and related pleosporalean genera. *Stud. Mycol.* 65: 1-60.
- Badali, H., C. Gueidan, M.J. Najafzadeh et al.** 2008. Biodiversity of the genus *Cladophialophora*. *Stud. Mycol.* 61: 175-191.
- Badali, H., G.S. de Hoog, I. Curfs-Breuker et al.** 2010. Use of amplified fragment length polymorphism to identify 42 *Cladophialophora* strains related to cerebral phaeohyphomycosis with *in vitro* antifungal susceptibility. *J. Clin. Microbiol.* 48: 2350-2356.
- Badali, H., M.J. Najafzadeh, M. van Esbroeck et al.** 2010. The clinical spectrum of *Exophiala jeanselmei*, with a case report and *in vitro* antifungal susceptibility of the species. *Med. Mycol.* 48: 318-327.
- Badali, H., J. Chander, S. Bansal et al.** 2010. First autochthonous case of *Rhinocladiella mackenziei* cerebral abscess outside the Middle East. *J. Clin. Microbiol.* 48: 646-649.
- Badali, H., S.A. Yazdanparast, A. Bonifaz. et al.** 2013. *Veronaea botryosa*: molecular identification with amplified fragment length polymorphism (AFLP) and *in vitro* antifungal susceptibility. *Mycopathologia* 175: 505-513.
- Badali, H., S. Khodavaisy, H. Fakhim et al.** 2015. *In vitro* susceptibility profiles of eight antifungal drugs against clinical and environmental strains of *Phaeoacremonium*. *Antimicrob. Agents Chemother.* 59: 7818-7822.
- Badenoch, R.R., C.L. Halliday, D.H. Ellis et al.** 2006. *Ulocladium atrum* Keratitis. *J. Clin. Microbiol.* 44: 1190-1193.
- Bagyalakshmi, R., K.L. Therese, S. Prasanna et al.** 2008. Newer emerging pathogens of ocular non-sporulating molds (NSM) identified by polymerase chain reaction (PCR)-based DNA sequencing technique targeting internal transcribed spacer (ITS) region. *Curr. Eye Res.* 33: 139-147.
- Balajee, S.A., J. Gribskov, M. Brandt et al.** 2005a. Mistaken identity: *Neosartorya pseudofischeri* and its anamorph masquerading as *Aspergillus fumigatus*. *J. Clin. Microbiol.* 43: 5996-5999.

## REFERENCES

- Balajee, S.A., J.L. Gribskov, E. Hanley et al.** 2005b. *Aspergillus lentulus* sp. nov., a new sibling species of *A. fumigatus*. Eukaryotic Cell 4: 625-632.
- Balajee, S.A., D. Nickle, J. Varga et al.** 2006. Molecular studies reveal frequent misidentification of *Aspergillus fumigatus* by morphotyping. Eukaryotic Cell 5: 1705-1712.
- Balajee, S.A., J. Houbraken, P.E. Verweij et al.** 2007. *Aspergillus* species identification in the clinical setting. Stud. Mycol. 59: 39-46.
- Balajee, S.A., A.M. Borman, M.E. Brandt, et al.** 2009. Sequence-based identification of *Aspergillus*, *Fusarium*, and *Mucorales* species in the clinical mycology laboratory: where are we and where should we go from here? J. Clin. Microbiol. 47: 877-884.
- Barnett, J.A., R.W. Payne and D. Yarrow.** 1983. Yeasts: characteristics and identification. Cambridge University Press, London, UK.
- Barron, G.L.** 1968. The genera of hyphomycetes from soil. Williams & Wilkins Co. Baltimore, USA.
- Barron, M.A., D. A. Sutton, R. Veve et al.** 2003. Invasive mycotic infections caused by *Chaetomium perlucidum*, a new agent of cerebral phaeohyphomycosis. J. Clin. Microbiol. 41: 5302-5307.
- Barros, M.B., R. de Almeida Paes and A.O. Schubach.** 2011. *Sporothrix schenckii* and sporotrichosis. Clin. Microbiol. Rev. 24: 633-654.
- Barrs, V.R., T.M. van Doorn, J. Houbraken et al.** 2013. *Aspergillus felis* sp. nov., an emerging agent of invasive aspergillosis in humans, cats, and dogs. PLoS One. 14;8(6):e64871.
- Beguín, H., N. Pyck, M. Hendrickx et al.** 2012. The taxonomic status of *Trichophyton quinckeanum* and *T. interdigitale* revisited: a multigene phylogenetic approach. Medical Mycology 50: 871-882.
- Bensch, K., J.Z. Groenewald, J. Dijksterhuis et al.** 2010. Species and ecological diversity within the *Cladosporium cladosporioides* complex (*Davidiellaceae*, *Capnodiales*). Stud. Mycol. 67: 1-94.
- Bensch, K., U. Braun, J.Z. Groenewald et al.** 2012. The genus *Cladosporium*. Stud. Mycol. 72: 1-401.
- Beyda, N.D., S.H. Chuang, M.J. Alam et al.** 2013. Treatment of *Candida famata* bloodstream infections: case series and review of the literature. Antimicrob. Chemother. 68: 438-443.
- Bialek, R., A.C. Cirera, T. Herrmann et al.** 2003. Nested PCR assays for detection of *Blastomyces dermatitidis* DNA in paraffin-embedded canine tissue. J. Clin. Microbiol. 41: 205-208.
- Binnicker, M.J., A.S. Popa, J. Catania et al.** 2011. Meningeal coccidioidomycosis diagnosed by real-time polymerase chain reaction analysis of cerebrospinal fluid. Mycopathologia 171: 285-289.
- Bishop, J.A., N. Chase, S.S. Magill et al.** 2008. *Candida bracarensis* detected among isolates of *Candida glabrata* by peptide nucleic acid fluorescence *in situ* hybridization: susceptibility data and documentation of presumed infection. J. Clin. Microbiol. 46: 443-446.
- Boekhout, T., E. Guého, P. Mayser and A. Velegraki (eds).** 2010. *Malassezia* and the Skin. Science and Clinical Practice. Springer, Heidelberg, 319 pp.
- Booth, C.** 1966. The genus *Cylindrocarpon*. Mycol. Pap. 104:1-56.
- Booth, C.** 1971. The genus *Fusarium*. Commonwealth Mycological Institute, Kew, Surrey, England.
- Booth, C.** 1977. *Fusarium*: laboratory guide to the identification of the major species. Commonwealth Mycological Institute, Kew, Surrey, England.
- Borman, A.M., R. Petch, C.J. Linton et al.** 2008. *Candida nivariensis*, an emerging pathogenic fungus with multidrug resistance to antifungal agents. J. Clin. Microbiol. 46: 933-938.

## REFERENCES

- Borman, A.M., C.J. Linton, D. Oliver et al.** 2009. Pyrosequencing analysis of 20 nucleotides of internal transcribed spacer 2 discriminates *Candida parapsilosis*, *Candida metapsilosis*, and *Candida orthopsilosis*. J. Clin. Microbiol. 47: 2307-2310.
- Brenier-Pinchart, M.P., H. Pelloux, B. Lebeau et al.** 1999. Towards a molecular diagnosis of invasive aspergillosis? A review of the literature. J. Mycol. Méd. 9: 16-23.
- Brilhantea, R.S.N., M.A.B. Fechinea, J.R.L. Mesquita et al.** 2012. Histoplasmosis in HIV-positive patients in Ceará, Brazil: clinical-laboratory aspects and *in vitro* antifungal susceptibility of *Histoplasma capsulatum* isolates. Trans. R. Soc. Trop. Med. Hyg. 106: 484-488.
- Brillowska-Dabrowska, A., E. Michałek, D.M. Saunte et al.** 2013. PCR test for *Microsporium canis* identification. Med. Mycol. 51: 576-579.
- Brown, E.M., L.R. McTaggart, S.X. Zhang et al.** 2013. Phylogenetic analysis reveals a cryptic species *Blastomyces gilchristii*, sp. nov. within the human pathogenic fungus *Blastomyces dermatitidis*. PLoS One 8: e59237.
- Buchta, V. and M. Otcenasek.** 1988. *Geotrichum candidum* - an opportunistic agent of mycotic diseases. Mycoses. 31: 363-370.
- Burges, G.E., C.T. Walls and J.C. Maize.** 1987. Subcutaneous phaeohyphomycosis caused by *Exserohilum rostratum* in an immunocompetent host. Arch. Dermatol. 123: 1346-1350.
- Burgess, L.W. and C.M. Liddell.** 1983. Laboratory manual for *Fusarium* research. Fusarium Research Laboratory, Department of Plant Pathology and Agricultural Entomology. The University of Sydney.
- Burgess J.W., W.R. Schwan and T.J. Volk.** 2006. PCR-based detection of DNA from the human pathogen *Blastomyces dermatitidis* from natural soil samples. Med. Mycol. 44: 741-748.
- Buzina, W., D. Lang-Loidolt, H. Braun et al.** 2001. Development of molecular methods for identification of *Schizophyllum commune* from clinical samples. J. Clin. Microbiol. 39: 2391-2396.
- Cabanes, F.J., S. Vega, and G. Castellá.** 2011. *Malassezia cuniculi* sp. nov., a novel yeast species isolated from rabbit skin. Med. Mycol. 49: 40-48.
- Cafarchia, C., R.B. Gasser, L.A. Figueredo et al.** 2011. Advances in the identification of *Malassezia*. Mol. Cell Probes 25: 1-7.
- Cafarchia, C., R. Iatta, M.S. Latrofa et al.** 2013. Molecular epidemiology, phylogeny and evolution of dermatophytes. Infect. Genet. Evol. 20: 336-351.
- Calderaro, A., F. Motta, S. Montecchini et al.** 2014. Identification of dermatophyte species after implementation of the in-house MALDI-TOF MS database. Int. J. Mol. Sci. 15: 16012-16024.
- Campbell, C.K. and M.D. Smith.** 1982. Conidiogenesis in *Petriellidium boydii* (*Pseudallescheria boydii*). Mycopathologia 78: 145-150.
- Cano, J. and J. Guarro.** 1990. The genus *Aphanoascus*. Mycol. Res. 94: 355-377.
- Cano, J., M. Sagués, E. Barrio et al.** 2002. Molecular taxonomy of *Aphanoascus* and description of two new species from soil. Stud. Mycol. 47: 153-164.
- Cano, J., J. Guarro and J. Gene.** 2004. Molecular and morphological identification of *Colletotrichum* species of clinical interest. J. Clin. Microbiol. 42: 2450-2454.
- Cantón, E., J. Pemán, C. Iniguez et al.** 2013. Epidemiological cutoff values for fluconazole, itraconazole, posaconazole, and voriconazole for six *Candida* species as determined by the colorimetric sensititre YeastOne method. J. Clin. Microbiol. 51: 2691-2695.
- Cantón, E., J. Pemán, D. Hervás et al.** 2012. Comparison of three statistical methods for establishing tentative wild-type population and epidemiological cutoff values for echinocandins, amphotericin B, flucytosine, and six *Candida* species as determined by the colorimetric Sensititre YeastOne method. J. Clin. Microbiol. 50: 3921-3926.
- Carmichael, J.W.** 1962. *Chrysosporium* and some aleuriosporic hyphomycetes. Can. J. Bot. 40: 1137-1173.

## REFERENCES

- Casadevall, A. and J.R. Perfect.** 1998. *Cryptococcus neoformans*. ASM Press USA.
- Cassagne, C., S. Ranque, A. Normand et al.** 2011. Mould routine identification in the clinical laboratory by matrix-assisted laser desorption ionization time-of-flight mass spectrometry. *PLoS ONE* 6(12): e28425.
- Catanzaro, A.** 1985. *Coccidiomycosis*. In *Fungal Diseases of the Lung*, eds G.A. Sarosi and S.F. Davies. Grune and Stratton Inc.
- Cavalier-Smith, T.** 1998. A revised six-kingdom system of life. *Biol. Rev. Canm. Philos. Soc.* 73: 203-266.
- Cendejas-Bueno, E., A. Kolecka, A. Alastruey-Izquierdo et al.** 2012. Reclassification of the *Candida haemulonii* complex as *Candida haemulonii* (*C. haemulonii* group I), *C. duobushaemulonii* sp. nov. (*C. haemulonii* group II), and *C. haemulonii* var. *vulnera* var. nov.: three multiresistant human pathogenic yeasts. *J. Clin. Microbiol.* 50: 3641-51.
- Chagas-Neto, T.C., G.M. Chaves and A.L. Colombo.** 2008. Update on the genus *Trichosporon*. *Mycopathologia* 166: 121-132.
- Chakrabarti, A., M.R. Shivaprakash, I. Curfs-Breuker et al.** 2010. *Apophysomyces elegans*: epidemiology, amplified fragment length polymorphism typing, and *in vitro* antifungal susceptibility pattern. *J. Clin. Microbiol.* 48: 4580-4585.
- Chakrabarti, A., A. Ghosh, G.S. Prasad et al.** 2003. *Apophysomyces elegans*: an emerging zygomycete in India. *J. Clin. Microbiol.* 41: 783-788.
- Chakrabarti, A., H. Kaur, S.M. Rudramurth et al.** 2016. Brain abscess due to *Cladophialophora bantiana*: a review of 124 cases. *Med. Mycol.* 54: 111-119.
- Chandler, F.W., W. Kaplan and L. Ajello.** 1980. A colour atlas and textbook of the histopathology of mycotic diseases. Wolfe Medical Publications Ltd.
- Chapman, S.W., W.E. Dismukes, L.A. Proia et al.** 2008. Clinical practice guidelines for the management of blastomycosis: 2008 update by the Infectious Diseases Society of America. *Clin. Infect. Dis.* 46:1801-1812.
- Chemaly, R.F., J.W. Tomford, G.S. Hall et al.** 2001. Rapid diagnosis of *Histoplasma capsulatum* endocarditis using the AccuProbe on an excised valve. *J. Clin. Microbiol.* 39: 2640-2641.
- Chen, C.A., D. Ellis, T.C. Sorrell et al.** 2011. *Trichophyton*. Chapter 44, *Molecular Detection of Human Fungal Pathogens*. Ed: Dongyou Liu. CRC Press.
- Chen, S.C., M.A. Slavin, C.H. Heath et al.** 2012. Clinical manifestations of *Cryptococcus gattii* infection: determinants of neurological sequelae and death. *Clin. Infect. Dis.* 55: 789-98.
- Chowdhary A, H.S. Randhawa, S.N. Gaur et al.** 2013a. *Schizophyllum commune* as an emerging fungal pathogen: a review and report of two cases. *Mycoses* 56: 1-10.
- Chowdhary, A., S. Kathuria, P.K. Singh et al.** 2013b. Molecular Characterization and *in vitro* Antifungal Susceptibility Profile of *Schizophyllum commune*, an Emerging Basidiomycete in Bronchopulmonary Mycoses. *Antimicrobial Agents Chemother.* 57: 2845-2848.
- Chowdhary, A., S. Khaturia, K. Agarwal et al.** 2014a. Recognizing filamentous basidiomycetes as agents of human disease: A review. *Med. Mycol.* 52: 782-797.
- Chowdhary, A., K. Agarwal, S. Kathuria et al.** 2014b. Allergic bronchopulmonary mycosis due to fungi other than *Aspergillus*: a global overview. *Crit. Rev. Microbiol.* 40: 30-48.
- CLSI** Interpretive criteria for identification of bacteria and fungi by DNA target sequencing (MM18-A). 2008. Wayne, PA.
- CLSI** Reference method for broth dilution antifungal susceptibility testing of yeasts: third edition (M27-A3). 2008. Wayne, PA.
- CLSI** Reference method for broth dilution antifungal susceptibility testing of yeasts: fourth informational supplement (M27-S4). 2012. Wayne, PA.
- CLSI** Reference method for broth dilution antifungal susceptibility testing of filamentous fungi: second edition (M38-A2). 2008. Wayne, PA.

## REFERENCES

- Colombo, A., A.C.B. Padovan and G.M. Chaves.** 2011. Current Knowledge of *Trichosporon* spp. and Trichosporonosis. Clin. Microbiol. Rev. 24: 682-700.
- Cooney, D.H. and R. Emerson.** 1964. Thermophilic fungi. W.H. Freeman & Co.
- Cooter, R.T., I.S. Lim, D.H. Ellis et al.** 1990. Burn wound zygomycosis caused by *Apophysomyces elegans*. J.Clin. Microbiol. 28: 2151-2153.
- Coriglione, G., G. Stella, L. Gafa et al.** 1990. *Neosartorya fischeri* var *fischeri* (Wehmer) Malloch and Cain 1972 (anamorph: *Aspergillus fischerianus* Samson and Gams 1985) as a cause of mycotic keratitis. Eur. J. Epidemiol. 6: 382-385.
- Correia, A., P. Sampaio, S. James et al.** 2006. *Candida bracarensis*, sp. nov., a novel anamorphic yeast species phenotypically similar to *Candida glabrata*. Int. J. Syst. Evol. Microbiol. 56: 313-317.
- Cortez, K.J., E. Roilides, F. Quiroz-Telles et al.** 2008. Infections Caused by *Scedosporium* spp. Clin. Microbiol. Reviews. 21: 157-197.
- Crous, P.W., B. Slippers, M.J. Wingfield et al.** 2006. Phylogenetic lineages in the Botryosphaeriaceae. Stud. Mycol. 55: 235-253.
- Crous, P.W., U. Braun, K. Schubert et al.** 2007. Delimiting *Cladosporium* from morphologically similar genera. Stud. Mycol. 58: 33-56.
- Davis, S.R., D.H. Ellis, P. Goldwater et al.** 1994. First human culture-proven Australian case of entomophthoromycosis caused by *Basidiobolus ranarum*. J. Med. Vet. Mycol. 32: 225-230.
- da Cunha, K.C., D.A. Sutton, A.W. Fothergill et al.** 2012a. Diversity of *Bipolaris* species in clinical samples in the United States and their antifungal susceptibility profiles. J. Clin. Microbiol. 50: 4061-4066.
- da Cunha, K.C., D.A. Sutton, J. Gene et al.** 2012b. Molecular identification and *in vitro* response to antifungal drugs of clinical isolates of *Exserohilum*. Antimicrob. Agents. Chemother. 56: 4951-4954.
- da Cunha, K.C., D.A. Sutton, A.W. Fothergill et al.** 2013. *In vitro* antifungal susceptibility and molecular identity of 99 clinical isolates of the opportunistic fungal genus *Curvularia*. Diagn. Microbiol. Infect. Dis. 76: 168-174.
- da Cunha, K.C., D.A. Sutton, J. Gene et al.** 2014. *Pithomyces* species (Montagnulaceae) from clinical specimens: identification and antifungal susceptibility profiles. Med. Mycol. 52: 748-757.
- de Beer, Z.W., D. Begerow, R. Bauer et al.** 2006. Phylogeny of the Quambalariaceae fam. nov., including important *Eucalyptus* pathogens in South Africa and Australia. Stud. Mycol. 55: 289-298.
- de Gruyter, J. M.M. Aveskamp, J.H.C. Woudenberg et al.** 2009. Molecular phylogeny of *Phoma* and allied anamorph genera: towards a reclassification of the *Phoma* complex. Mycol. Res. 113: 508-519.
- de Hoog, G.S.** 1972. The genera *Beauvaria*, *Isaria*, *Tritrachium* and *Acrodontium* Gen. Nov. Stud. Mycol., Centraalbureau voor Schimmelcultures, Baarn. 1: 1-41.
- de Hoog, G.S.** 1977. *Rhinocladiella* and allied genera. Stud. Mycol., Centraalbureau voor Schimmelcultures, Baarn. 15: 1-140.
- de Hoog, G.S.** 1983. On the potentially pathogenic dematiaceous Hyphomycetes. In: D.H. Howard (ed). The fungi pathogenic to humans and animals. A: 149-216.
- de Hoog, G.S.** 1985. The taxonomic structure of *Exophiala*. in Fungi pathogenic for humans and animals. Part B: Pathogenicity and detection: II. (ed. D. Howard). Marcel Dekker Inc.
- de Hoog, G.S., D. Adelmann, A.O.A. Ahmed et al.** 2004. Phylogeny and typification of *Madurella mycetomatis*, with a comparison of other agents of eumycetoma. Mycoses 47: 121-130.

## REFERENCES

- de Hoog, G.S., D. Attili, V.A. Vicente et al.** 2004. Molecular ecology and pathogenic potential of *Fonsecaea* species. *Med. Mycol.* 42: 405-416.
- de Hoog, G.S., A.D. van Diepeningen, el-S. Mahgoub et al.** 2012. New species of *Madurella*, causative agents of black-grain mycetoma. *J. Clin. Microbiol.* 50: 988-994.
- de Hoog, G.S., E. Gueho, F. Masclaux et. al.** 1995. Nutritional physiology and taxonomy of human-pathogenic *Cladosporium-Xylohypha* species. *J. Med. Vet. Mycol.* 33: 339-347.
- de Hoog, G.S., J. Guarro, J. Gene and M.J. Figueras.** 2000. Atlas of Clinical Fungi (second edition). Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands.
- de Hoog, G.S., J. Guarro, J. Gene and M.J. Figueras.** 2015. Atlas of Clinical Fungi (Version 4.1.2). Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands.
- de Hoog, G.S. and E.J. Hermanides-Nijhof.** 1977. The black yeasts and allied hyphomycetes. *Stud. Mycol.* No. 15. Centraalbureau voor Schimmelcultures, The Netherlands.
- de Hoog, G.S., and R. Horr .** 2002. Molecular taxonomy of the *Alternaria* and *Ulocladium* species described from humans and their identification in the routine laboratory. *Mycoses* 45: 259-276.
- de Hoog, G.S., A.S. Nishikaku, G. Fernandez Zeppenfeldt et al.** 2007. Molecular analysis and pathogenicity of the *Cladophialophora carrionii* complex, with the description of a novel species. *Stud. Mycol.* 58: 219-234.
- de Hoog, G.S., A.H. Rantio-Lehtimaki and M.TH. Smith.** 1985. *Blastobotryis*; *Sporothrix* and *Trichosporiella*; generic delimitation, new species, and a *Stephanoascus* teleomorph. *Antonie van Leeuwenhoek.* 51: 79-109.
- de Hoog, G.S. and M.T. Smith.** 2004. Ribosomal gene phylogeny and species delimitation in *Geotrichum* and its teleomorphs. *Stud. Mycol.* 50: 489-515.
- de Hoog, G.S. and M.T. Smith.** 2011a. *Geotrichum* Link: Fries (1832), p 1279-1286 In Kurtzman CP, Fell JW, Boekhout T (ed), *The yeasts: a taxonomic study*. Elsevier, Amsterdam, the Netherlands.
- de Hoog, G.S. and M.T. Smith.** 2011b. *Saprochaete* Coker & Shanor ex D.T.S. Wagner & Dawes (1970), p 1317-1330. In Kurtzman CP, Fell JW, Boekhout T (ed), *The yeasts: a taxonomic study*. Elsevier, Amsterdam, the Netherlands.
- de Hoog, G.S. and M.T. Smith.** 2011c. *Magnusiomyces* Zender (1977), p 565-574 In Kurtzman CP, Fell JW, Boekhout T (ed), *The yeasts: a taxonomic study*. Elsevier, Amsterdam, the Netherlands.
- de Hoog, G.S., M.T. Smith and E. Gu ho.** 1986. A revision of the genus *Geotrichum* and its teleomorphs. *Stud. Mycol.* 29: 1-131.
- de Hoog, G.S., V. Vincent, R.B. Caligiorne et. al.** 2003. Species diversity and polymorphism in the *Exophiala spinifera* clade containing opportunistic black yeast-like fungi. *J. Clin. Microbiol.* 41: 4767-4778.
- de Hoog, G.S. and G.A. de Vries.** 1973. Two new species of *Sporothrix* and their relation to *Blastobotrys nivea*. *Antonie Van Leeuwenhoek.* 39: 515-520.
- de Hoog, G.S., X.O. Weenink and A.H.G. Gerrits van den Ende.** 1999. Taxonomy of the *Phialophora verrucosa* complex with the description of two new species. *Stud. Mycol.* 43: 107-122.
- de Hoog, G.S., J.S. Zeng, M.J. HARRAK et al.** 2006. *Exophiala xenobiotica* sp. nov., an opportunistic black yeast inhabiting environments rich in hydrocarbons. *Antonie Van Leeuwenhoek* 90: 257-268.
- de Hoog G.S., K. Dukik, M. Monod et al.** 2016. Towards a noval multilocus phylogenetic taxonomy for dermatophytes. *Mycopathologia* DOI 10.1007/s11046-016-0073-9.
- Desjardins, C.A., M.D. Champion, J.W. Holder et al.** 2011. Comparative genomic analysis of human fungal pathogens causing paracoccidioidomycosis. *PLoS Genetics* DOI: 10.1371/journal.pgen.1002345.

## REFERENCES

- Desnos-Ollivier, M., S. Bretagne, F. Dromer et al.** 2006. Molecular identification of black-grain mycetoma agents. *J. Clin. Microbiol.* 44: 3517-3523.
- Desnos-Ollivier, M., C. Blanc, D. Garcia-Hermoso et al.** 2014. Misidentification of *Saprochaete clavata* as *Magnusiomyces capitatus* in clinical isolates: utility of internal transcribed spacer sequencing and matrix-assisted laser desorption ionization-time of flight mass spectrometry and importance of reliable databases. *J. Clin. Microbiol.* 52: 2196-98.
- Diekema, D.J., B. Petroelje, S.A. Messer et al.** 2005. Activities of available and investigational antifungal agents against *Rhodotorula* species. *J. Clin. Microbiol.* 43: 476-478.
- Diekema, D.J., S.A. Messer, L.B. Boyken et al.** 2009. *In vitro* activity of seven systemically active antifungal agents against a large global collection of rare *Candida* species as determined by CLSI broth microdilution methods. *J. Clin. Microbiol.* 47: 3170-3177.
- Dixon, D.M. and A. Polak-Wyss.** 1991. The medically important dematiaceous fungi and their identification. *Mycoses.* 34: 1-18.
- Dolatabadi, S., G. Walther, A.H.G. Gerrits van den Ende et al.** 2014. Diversity and delimitation of *Rhizopus microsporus*. *Fung. Divers.* 64: 145-163.
- Domsch, K.H., W. Gams and T.H. Anderson.** 1980. Compendium of soil fungi. Academic Press.
- Domsch, K.H., W. Gams and T.H. Anderson.** 2007. Compendium of soil fungi. Second Edition, IHW-Verlag, Germany.
- Duarte A.P.M., F.C. Pagnocca, N.C. Baron et al.** 2013. *In vitro* susceptibility of environmental isolates of *Exophiala dermatitidis* to five antifungal drugs. *Mycopathologia* 175: 455-461.
- Duboc de Almeida, G.M., S. Figueiredo Costa, M. Melhem et al.** 2008. *Rhodotorula* spp. isolated from blood cultures: clinical and microbiological aspects. *Med. Mycol.* 46: 547-556.
- Durie, E.B. and D. Frey.** 1957. A new species of *Trichophyton* from New South Wales. *Mycologia* 49: 401-411.
- Dworzack, D.L., A.S. Pollock, G.L. Hodges et al.** 1978. Zygomycosis of the maxillary sinus and palate caused by *Basidiobolus haptosporus*. *Arch. Intern. Med.* 138: 1274-1276
- El Feghaly, R.E., D.A. Sutton, E.H. Thompson et al.** 2012. *Graphium basitruncatum* fungemia in an immunosuppressed child post stem-cell transplantation. *Med. Mycol. Case Rep.* 1: 35-38.
- Elías, N.A., M.L. Cuestas, M. Sandoval et al.** 2012. Rapid identification of *Histoplasma capsulatum* directly from cultures by multiplex PCR. *Mycopathologia* 174: 451-456.
- Ellis, D.H.** 1981. Ascocarp morphology and terminal hair ornamentation in thermophilic *Chaetomium* species. *Mycologia.* 73: 755-773.
- Ellis, D.H.** 2005a. Subcutaneous Zygomycetes -Entomophthoromycosis. Chapter 17. In Topley and Wilson's Microbiology and Microbial Infections: Medical Mycology, 10th edition, Hodder Arnold London. pp 347-355.
- Ellis, D.H.** 2005b. Systemic Zygomycetes -Mucormycosis. Chapter 33. In Topley and Wilson's Microbiology and Microbial Infections: Medical Mycology, 10th edition, Hodder Arnold London. pp 659-686.
- Ellis, D.H. and G. Kaminski** 1984. Laboratory identification of *Saksenaea vasiformis*: a rare cause of zygomycosis in Australia. *Sabouraudia: J. Med. Vet. Mycol.* 23: 137-140.
- Ellis, D.H. and P.J. Keane.** 1981. Thermophilic fungi isolated from some Australian soils. *Aust. J. Bot.* 29: 689-704.
- Ellis, J.J.** 1985. Species and varieties in *Rhizopus arrhizus* - *Rhizopus oryzae* group as indicated by their DNA complementarity. *Mycologia.* 77: 243-247.
- Ellis, J.J.** 1986. Species and varieties in the *Rhizopus microsporus* group as indicated by their DNA complementarity. *Mycologia.* 78: 508-510.
- Ellis, J.J., and L. Ajello.** 1982. An unusual source of *Aphophysomyces elegans* and a method of stimulating sporulation of *Saksenaea vasiformis*. *Mycologia* 74: 144-145.



## REFERENCES

- Ellis, J.J. and C.W. Hesseltine.** 1966. Two new families of Mucorales. *Mycologia*. 66: 87-95.
- Ellis, J.J. and C.W. Hesseltine.** 1965. The genus *Absidia*: globose spored species. *Mycologia*. 57: 222-235.
- Ellis, J.J. and C.W. Hesseltine.** 1966. Species of *Absidia* with ovoid sporangiospores. II. *Sabouraudia*. 5: 59-77.
- Ellis, M.B.** 1971. Dematiaceous Hyphomycetes. Commonwealth Mycological Institute, Kew, Surrey, England.
- Ellis, M.B.** 1976. More Dematiaceous Hyphomycetes. Commonwealth Mycological Institute, Kew, Surrey, England.
- Emmons, C.W. and C.H. Bridges.** 1977. *Entomophthora coronata*, the etiologic agent of a phycomycosis of horses. *Mycologia*. 53: 307-312.
- Enache-Angoulvant, A. and C. Hennequin.** 2005. Invasive *Saccharomyces* infection: a comprehensive review. *Clin. Infect. Dis.* 41: 1559-1568.
- Erhard, M., U.C. Hipler, A. Burmester et al.** 2008. Identification of dermatophyte species causing onychomycosis and tinea pedis by MALDI-TOF mass spectrometry. *Exp Dermatol.* 17: 356-361.
- Espinel-Ingroff, A., K. Boyle and D.J. Sheehan.** 2001. *In vitro* antifungal activities of voriconazole and reference agents as determined by NCCLS methods: review of the literature. *Mycopathologia* 150: 101-115.
- Espinel-Ingroff, A.** 2003. *In vitro* antifungal activities of anidulafungin and micafungin, licensed agents and the investigational triazole posaconazole as determined by NCCLS methods for 12,052 fungal isolates: review of the literature. *Rev. Iberoam. Micol.* 20: 121-136.
- Espinel-Ingroff, A., M.A. Pfaller, B. Bustamante et al.** 2014. Multilaboratory study of epidemiological cutoff values for detection of resistance in eight *Candida* species to fluconazole, posaconazole, and voriconazole. *Antimicrob. Agents and Chemother.* 58: 2006-2012.
- Espinel-Ingroff, A., A. Chakrabarti, S. Chowdhary et al.** 2015a. Multicenter evaluation of MIC distributions for epidemiologic cutoff value definition to detect amphotericin B, posaconazole, and itraconazole resistance among the most clinically relevant species of *Mucorales*. *Antimicrob. Agents. Chemother.* 59: 1745-1750.
- Espinel-Ingroff, A., M. Alvarez-Fernandez, E. Cantón et al.** 2015b. Multicenter study of epidemiological cutoff values and detection of resistance in *Candida* spp. to anidulafungin, caspofungin, and micafungin using the Sensititre YeastOne colorimetric Method. *Antimicrob. Agents Chemother.* 59: 6725-6732.
- Espinel-Ingroff, A. and S.E. Kidd.** 2015. Current trends in the prevalence of *Cryptococcus gattii* in the United States and Canada. *Infect. Drug Resist.* 8: 89-97.
- Estrada-Bárceñas, D.A., T. Vite-Garín, H. Navarro-Barranco et al.** 2014. Genetic diversity of *Histoplasma* and *Sporothrix* complexes based on sequences of their ITS1-5.8S-ITS2 regions from the BOLD System. *Rev. Iberoam. Micol.* 31: 90-94.
- Fischer, J. B., and J. Kane.** 1971. The detection of contamination in *Trichophyton rubrum* and *Trichophyton mentagrophytes*. *Mycopathol. Mycol. Appl.* 43: 169-180.
- Fisher, M.C., G.L. Koenig, T.J. White and J.W. Taylor.** 2002. Molecular and phenotypic description of *Coccidioides posadasii* sp. nov., previously recognised as the non-California population of *Coccidioides immitis*. *Mycologia* 94: 73-84.
- Formoso, A., D. Heidrich, C.R. Felix et al.** 2015. Enzymatic activity and susceptibility to antifungal agents of Brazilian environmental isolates of *Hortaea werneckii*. *Mycopathologia* 180: 345-352.
- Fothergill, A.W., M.G. Rinaldi and D.A. Sutton.** 2009. Antifungal susceptibility testing of *Exophiala* spp.: a head-to-head comparison of amphotericin B, itraconazole, posaconazole and voriconazole. *Medical Mycology* 47 (Special Issue): 41-43.

## REFERENCES

- Frankel, D.H. and J.W. Rippon.** 1989. *Hendersonula toruloidea* infection in man. *Mycopathologia* 105: 175-186.
- Franzot, S.P., I.R. Salkin and A. Casadevall.** 1999. *Cryptococcus neoformans* var. *grubii*: separate varietal status for *Cryptococcus neoformans* serotype A isolates. *J. Clin. Microbiol.* 37: 838-840.
- Gaitanis, G., P. Magiatis, M. Hantschke et al.** 2012. The *Malassezia* genus in skin and systemic diseases. *Clin. Microbiol. Rev.* 25: 106–141.
- Galgiani, J.N., N.M. Ampel, J.E. Blair et al.** 2005. Coccidioidomycosis. *Clin. Infect. Dis.* 41: 1217-1223.
- Gams, W.** 1971. *Cephalosporium*-artige Schimmelpilze (Hyphomycetes). G. Fisher, Stuttgart, p.262.
- Gams, W., M. Christensen, A.H. Onions et al.** 1985. Infrageneric taxa of *Aspergillus*. In: *Advances in Penicillium and Aspergillus Systematics*. Samson RA, Pitt JI, eds. New York: Plenum Press: 55-62.
- Garcia-Hermoso, D., D. Hoinard et al.** 2009. Molecular and phenotypic evaluation of *Lichtheimia corymbifera* (formerly *Absidia corymbifera*) complex isolates associated with human mucormycosis: rehabilitation of *L. ramosa*. *J. Clin. Microbiol.* 47: 3862-3870.
- Garcia-Ruiz, J.C., L. Lopez-Soria, I. Olazabal et al.** 2013. Invasive infections caused by *Saprochaete capitata* in patients with haematological malignancies: report of five cases and review of the antifungal therapy. *Rev. Iberoam. Micol.* 30: 248-255.
- Geiser, D.M., M.A. Klich, J.C. Frisvad et al.** 2007. The current status of species recognition and identification in *Aspergillus*. *Stud. Mycol.* 59: 1-10.
- Geiser, D.M., T. Aoki, C.W. Bacon et al.** 2013. One fungus, one name: defining the genus *Fusarium* in a scientifically robust way that preserves longstanding use. *Phytopathology.* 103: 400-408.
- George, R.B. and R.L. Penn.** 1986. Histoplasmosis. In *Fungal diseases of the Lung*. eds Sarosi, G.A. and S.F. Davies. Grune and Stratton Inc.
- Gerrits van den Ende, A.H.G. and G.S. de Hoog.** 1999. Variability and molecular diagnostics of the neurotropic species *Cladophialophora bantiana*. *Stud. Mycol.* 43: 151-162.
- Ghikas, D.V., V.N. Kouvelis and M.A. Typas.** 2010. Phylogenetic and biogeographic implications inferred by mitochondrial intergenic region analyses and ITS1-5.8S-ITS2 of the entomopathogenic fungi *Beauveria bassiana* and *B. brongniartii*. *BMC Microbiol.* 10:174. doi: 10.1186/1471-2180-10-174.
- Gilgado, F., J. Cano, J. Gene et al.** 2005. Molecular phylogeny of the *Pseudallescheria boydii* species complex: proposal of two new species. *J. Clin. Microbiol.* 43: 4930-4942.
- Gilgado, F., J. Gene, J. Cano et al.** 2010. Heterothallism in *Scedosporium apiospermum* and description of its teleomorph *Pseudallescheria apiosperma* sp. nov. *Med. Mycol.* 48: 122-8.
- Giraldo, A., J. Gené, D.A. Sutton et al.** 2014. Phylogenetic circumscription of *Arthrographis* (*Eremomycetaceae*, *Dothideomycetes*). *Persoonia* 32: 102 -114.
- Giraldo, A., D.A. Sutton, K. Samerpitak et al.** 2014. Occurrence of *Ochroconis* and *Verruconis* species in clinical specimens from the United States. *J. Clin. Microbiol.* 52: 4189-4201.
- Glenn, A., C.W. Bacon, R. Price et al.** 1996. Molecular phylogeny of *Acremonium* and its taxonomic implications. *Mycologia* 88:369-383.
- Goldschmied-Reouven, A., A. Shvoron, M. Topaz et al.** 1989. *Saksenaee vasiformis* infection in a burn wound. *J. Med. Vet. Mycol.* 27: 427-429.
- Gomez-Lopez, A., A. Alastruey-Izquierdo, D. Rodriguez et al.** 2008. Prevalence and susceptibility profile of *Candida metapsilosis* and *Candida orthopsilosis*: results from population-based surveillance of candidemia in Spain. *Antimicrob. Agents Chemother.* 52: 1506-1509.

## REFERENCES

- Gonzalez, G.M., A.W. Fothergill, D.A. Sutton et al.** 2005. *In vitro* activities of new and established triazoles against opportunistic filamentous and dimorphic fungi. *Med. Mycol.* 43: 281-284.
- Goodman, N.L. and M.G. Rinaldi.** 1991. Agents of zygomycosis. In Balows, A., Hausler, W.J., Herrmann, K.L. et al. (eds.), *Manual Clinical Microbiology* 5th edition. American Society for Microbiology Washington DC.
- Gramaje D, L. Mostert, J.Z. Groenewald et al.** 2015. *Phaeoacremonium*: from esca disease to phaeohyphomycosis. *Fungal Biology* 119: 759-783.
- Gräser, Y., M. El Fari, W. Presber et al.** 1998. Identification of common dermatophytes (*Trichophyton*, *Microsporum*, *Epidermophyton*) using polymerase chain reactions. *Br. J. Derm.* 138: 576-582.
- Gräser, Y., M. El Fari, R. Vilgalys et al.** 1999a. Phylogeny and taxonomy of the family *Arthrodermataceae* (dermatophytes) using sequence analysis of the ribosomal ITS region. *Med. Mycol.* 37: 105-114.
- Gräser, Y., J. Kühnisch and W. Presber.** 1999b. Molecular markers reveal exclusively clonal reproduction in *Trichophyton rubrum*. *J. Clin. Microbiol.* 37: 3713-3717.
- Gräser, Y., A.F.A. Kuijpers, M. El Fari et al.** 2000a. Molecular and conventional taxonomy of the *Microsporum canis* complex. *Med. Mycol.* 38: 143-153.
- Gräser, Y., A.F.A. Kuijpers, W. Presber et al.** 2000b. Molecular taxonomy of the *Trichophyton rubrum* complex. *J. Clin. Microbiol.* 38: 3329-3336.
- Gräser, Y., S. de Hoog and R.C. Summerbell.** 2006. Dermatophytes: recognizing species of clonal fungi. *Med. Mycol.* 44: 199-209.
- Gräser, Y., J. Scott, and R. Summerbell.** 2008. The new species concept in dermatophytes - a polyphasic approach. *Mycopathologia* 166: 239-256.
- Greer, D.L. and L. Friedman.** 1966. Studies on the genus *Basidiobolus* with reclassification of the species pathogenic for man. *Sabouraudia.* 4: 231-241.
- Guarro, J.** 2013. Fusariosis, a complex infection caused by a high diversity of fungal species refractory to treatment. *Eur. J. Clin. Microbiol. Infect. Dis.* 32: 1491-1500.
- Guarro, J., A.S. Kantarcioglus, R. Horre et al.** 2006. *Scedosporium apiospermum*: changing clinical spectrum of a therapy-refractory opportunist. *Medical Mycology* 44: 295-327.
- Guarro, J., D.K. Mendiratta, H. Sequeira et al.** 2007. *Acrophialophora fusispora*: an emerging agent of human mycoses. A report of 3 new clinical cases. *Diagn. Microbiol. Infect. Dis.* 59: 85-88.
- Guarro, J., J. Chander, E. Álvarez, et al.** 2011. *Apophysomyces variabilis* infections in humans. *Emerg. Infect. Dis.* 17: 134-135.
- Gueho, E.S.** 1979. Dexoyribonucleic acid base composition and taxonomy in the genus *Geotrichum* Link. *Antonie van Leeuwenhoek.* 45: 199-210.
- Gueho, E. and G.S. de Hoog.** 1991. Taxonomy of the medical species of *Pseudallescheria* and *Scedosporium*. *J. Mycol. Med.* 118: 3-9.
- Gueho, E., M.Th. Smith, G.S. de Hoog et al.** 1992. Contributions to a revision of the genus *Trichosporon*. *Antonie van Leeuwenhoek.* 61: 289-316.
- Gueho, E., G. Midgley and J. Guillot.** 1996. The genus *Malassezia* with description of four new species. *Antonie Van Leeuwenhoek.* 69: 337-55.
- Guillot J. and E. Gueho.** 1995. The diversity of *Malassezia* yeasts confirmed by rRNA sequence and nuclear DNA comparisons. *Antonie Van Leeuwenhoek.* 67: 297-314.
- Guillot J., E. Gueho, M. Lesourd et al.** 1996. Identification of *Malassezia* species. *J. Mycol. Med.* 6: 103-110.
- Guillot J., M. Deville, M. Berthelemy et al.** 2000. A single PCR-restriction endonuclease analysis for rapid identification of *Malassezia* species. *Lett. Appl. Microbiol.* 31: 400-403.

## REFERENCES

- Guitard, J., A. Angoulvant, V. Letscher-Bru et al.** 2013. Invasive infections due to *Candida norvegensis* and *Candida inconspicua*: report of 12 cases and review of the literature. *Medical Mycology* 51: 795-799.
- Guo, L.N., M. Xiao, F. Kong et al.** 2011. Three-locus identification, genotyping, and antifungal susceptibilities of medically important *Trichosporon* species from China. *J. Clin. Microbiol.* 49: 3805-3811.
- Gupta, A.K., C.B. Horgan-Bell and R.C. Summerbell.** 1998. Onychomycosis associated with *Onychocola canadensis*: ten case reports and a review of the literature. *J. A. Acad. Dermatol.* 39: 410-407.
- Hageage, G.J. and B.J. Harrington.** 1984. Use of calcofluor white in clinical mycology. *Laboratory Medicine* 15: 109-112.
- Hall, M.R., L.M. Brumble, M.A. Mayes et al.** 2013. Cutaneous *Microsphaeropsis arundinis* infection initially interpreted as squamous cell carcinoma. *Int. J. Dermatol.* 52: 84-86.
- Halliday, C., S.E. Kidd, T.C. Sorrell and S. C-A. Chen.** 2015. Molecular diagnostic methods for invasive fungal disease: the horizon draws nearer? *Pathology* 47: 257-269.
- Harrington, B.J. and G.J. Hageage.** 2003. Calcofluor White: A Review of its Uses and Applications in Clinical Mycology and Parasitology. *Laboratory Medicine* 34: 361-367.
- Heath, C.H., M. A. Slavin, T.C. Sorrell et al.** 2009. Population-based surveillance for scedosporiosis in Australia: epidemiology, disease manifestations and emergence of *Scedosporium aurantiacum* infection. *Clin. Microbiol. Infect.* 15: 689-693.
- Hedayati, M.T., A.C. Pasqualotto, P.A. Warn et al.** 2007. *Aspergillus flavus*: human pathogen, allergen and mycotoxin producer. *Microbiology* 153: 1677-1692.
- Hegedus, D.D. and G.G. Khachatourians.** 1996. Identification and differentiation of the entomopathogenic fungus *Beauveria bassiana* using polymerase chain reaction and single-strand conformation polymorphism analysis. *J. Invertebr. Pathol.* 67: 289-299.
- Henrich, T.J., F.M. Marty, D.A. Milner et al.** 2009. Disseminated *Geotrichum candidum* infection in a patient with relapsed acute myelogenous leukemia following allogeneic stem cell transplantation and review of the literature. *Transpl. Infect. Dis.* 11: 458-462.
- Hermanides-Nijhof, E.J.** 1977. *Aureobasidium* and allied genera. *Stud. Mycol.* 15: 141-177.
- Hesseltine, C.W. and J.J. Ellis.** 1964a. The genus *Absidia*: *Gongronella* and cylindrical-spored species of *Absidia*. *Mycologia.* 56: 568-601.
- Hesseltine, C.W. and J.J. Ellis.** 1964b. An interesting case of *Mucor*, *M. ramosissimus*. *Sabouraudia.* 3: 151-154.
- Hesseltine, C.W. and J.J. Ellis.** 1966. Species of *Absidia* with ovoid sporangiospores. I. *Mycologia.* 58: 173-194.
- Hoffman, K., S. Discher and K. Voigt.** 2007. Revision of the genus *Absidia* (Mucorales, Zygomycetes) based on physiological, phylogenetic, and morphological characters, thermotolerant *Absidia* spp. form a coherent group, *Mycocladiaceae* fam. nov. *Mycol. Res.* 111: 1169-1183.
- Hoffmann, K., G. Walther, and K. Voigt.** 2009. *Mycocladus* vs. *Lichtheimia*, a correction (*Lichtheimiaceae* fam. nov., Mucorales, Mucoromycotina). *Mycol. Res.* 113: 277-278.
- Hohl, P.E., H.P. Holley, E. Prevost et al.** 1983. Infections due to *Wangiella dermatitidis* in humans: Report of the first documented case from the United States and a review of the literature. *Reviews of Infectious Diseases.* 5: 854-864.
- Holland, J.** 1997. Emerging zygomycosis of humans: *Saksenaia vasiformis* and *Apoophysomyces elegans*. *Curr. Top. Med. Mycol.* 8: 27-34.
- Holländer, H., W. Keilig, J. Bauer, E. Rothmund.** 1984. A reliable fluorescent stain for fungi in tissue sections and clinical specimens. *Mycopathologia.* 88: 131-134.
- Horré, R., G.S. de Hoog, C. Kluczny et al.** 1999. rDNA diversity and physiology of *Ochroconis* and *Scolecobasidium* species reported from humans and other vertebrates. *Stud. Mycol.* 43: 194-205.

## REFERENCES

- Huguenin, A., A. Lorot and D. Zachar.** 2015. Matrix-assisted laser desorption ionization-time of flight identification of *Schizophyllum commune*: perspectives on the review by Chowdhary *et al.* Medical Mycology 53: 896-897.
- Imai, T., A. Sano, Y. Mikami *et al.*** 2000. A new PCR primer for the identification of *Paracoccidioides brasiliensis* on rRNA sequences coding the internal transcribed spacers (ITS) and 5.8S regions. Med. Mycol. 38: 323-326.
- Inderbitzin, P., R.M. Davis, R.M. Bostock, K.V. Subbarao.** 2013. Identification and differentiation of *Verticillium* species and *V. longisporum* lineages by simplex and multiplex PCR assays. PLoS ONE 8(6): e65990.
- Irinyi, L., C. Serena, D. Garcia-Hermoso *et al.*** 2015. International Society of Human and Animal Mycology (ISHAM)-ITS reference DNA barcoding database - the quality controlled standard tool for routine identification of human and animal pathogenic fungi. Med. Mycol. 53: 313-37.
- Irokanulo, E.A.O., C.O. Akueshi and A.A. Makinde.** 1994. Differentiation of *Cryptococcus neoformans* serotypes A and D using creatinine dextrose bromothymol blue thymine medium. Br. J. Biomed. Sci. 51: 100-103.
- Jackson, L., S.A. Klotz and R.E. Normand.** 1996. A pseudoepidemic of *Sporothrix cyanescens* pneumonia occurring during renovation of a bronchoscopy suite. J. Med. Vet. Mycol. 28: 455-459.
- Jarv, H., J. Lehtmaa, R.C. Summerbell *et al.*** 2004. Isolation of *Neosartorya pseudofischeri* from blood: first hint of pulmonary aspergillosis. J. Clin. Microbiol. 42: 925-928.
- Jong, S.C. and F.M. Dugan.** 2003. Zygomycetes: The Order Entomophthorales. In Howard, D.H. (ed.), Pathogenic Fungi in Humans and Animals. 2<sup>nd</sup> edition, Marcel Dekker Inc., New York, pp 127-139.
- Kanj, S.S., S.S. Amr and G.D. Roberts.** 2001. *Ramichloridium mackenziei* brain abscess: report of two cases and review of the literature. Med. Mycol. 39: 97-102.
- Kaltseis, J., J. Rainer and G.S. de Hoog.** 2009. Ecology of *Pseudallescheria* and *Scedosporium* species in human-dominated and natural environments and their distribution in clinical samples. Med. Mycol. 47: 398-405.
- Kane, J., R. Summerbell, L. Sigler *et al.*** 1997. Laboratory handbook of dermatophytes. Star Publishing Co. Belmont, CA. USA.
- Kaneko, T., K. Makimura, M. Abe *et al.*** 2007. Revised Culture-Based System for Identification of *Malassezia* Species. J. Clin. Microbiol. 45: 3737-3742.
- Kaplan, W.** 1977. Protothecosis and infections caused by morphologically similar green algae. The black and white yeasts. Proceedings of the Fourth International Conference on the Mycoses. Scientific Publication No. 356. Pan American Health Organization. Washington D.C. USA.
- Kathuria, S., P.K. Singh, J.F. Meis *et al.*** 2014. *In Vitro* antifungal susceptibility profile and correlation of mycelial and yeast forms of molecularly characterized *Histoplasma capsulatum* strains from India. Antimicrob. Agents and Chemother. 58: 5613-5616.
- Katragkou, A., Z.D. Pana, D.S. Perlin *et al.*** 2014. *Exserohilum* infections: review of 48 cases before the 2012 United States outbreak. Med. Mycol. 52: 376-386.
- Kaufman, L. and P.G. Standard.** 1987. Specific and rapid identification of medically important fungi by exoantigen detection. Ann. Rev. Microbiol. 41: 209-225.
- Khan, Z.U., S.J. Lamdhade, M. Johny *et al.*** 2002. Additional case of *Ramichloridium mackenziei* cerebral phaeohyphomycosis from the Middle East. Med Mycol. 40: 429-433.
- Khan, Z., J. Gené, S. Ahmad *et al.*** 2013. *Coniochaeta polymorpha*, a new species from endotracheal aspirate of a preterm neonate, and transfer of *Lecythophora* species to *Coniochaeta*. Antonie van Leeuwenhoek 104: 243-252.

## REFERENCES

- Kidd, S.E., Y Chow, S. Mak et al.** 2007. Characterization of environmental sources of the human and animal pathogen *Cryptococcus gattii* in British Columbia, Canada, and the Pacific Northwest of the United States. *Appl. Environ. Microbiol.* 73: 1433-1443.
- King, D.S.** 1983. Entomophthorales. In: Howard DH, ed. *Fungi pathogenic for humans and animals. Part A Biology.* Marcel Dekker Inc. New York pp 61-73.
- Kirk, P., P. Cannon, J. Stalpers and D. Minter.** 2008. *Dictionary of the Fungi.* CABI 784 pp.
- Klich, M.A.** 2002. Identification of common *Aspergillus* species. Centraalbureau voor Schimmelcultures, The Netherlands.
- Kluger, E.K., P.K. Della Torre, P. Martin et al.** 2004. Concurrent *Fusarium chlamydosporium* and *Microsphaeropsis arundinis* infections in a cat. *J. Fel. Med. Surg.* 6: 271-277.
- Kolecka, A., K. Khayhan, M. Groenewald et al.** 2013. MALDI-TOF MS identification of medically relevant species of arthroconidial yeasts. *J. Clin. Microbiol.* 51: 2491-2500.
- Kolecka, A., K. Khayhan, M. Arabatzis et al.** 2014. Efficient identification of *Malassezia* yeasts by matrix-assisted laser desorption ionization-time of flight mass spectrometry (MALDI-TOF MS). *Br. J. Dermatol.* 170: 332-341.
- Kreger-van Rij, N.J.W. (ed.).** 1984. *The yeasts, a taxonomic study*, 3<sup>rd</sup> edition. Elsevier Sci. Publ., Amsterdam, 1082 pp.
- Krockenberger, M.B., P. Martin, C. Halliday et al.** 2010. Localised *Microsphaeropsis arundinis* infection of the subcutis of a cat. *J. Fel. Med. Surg.* 12: 231-236.
- Kuan, C.S., S.M. Yew, Y.F. Toh et al.** 2015. Identification and characterization of a rare fungus, *Quambalaria cyanescens*, isolated from the peritoneal fluid of a patient after nocturnal intermittent peritoneal dialysis. *PLoS One* 10(12):e0145932.
- Kurtzman and J.W. Fell.** 1998. *The Yeasts: a taxonomic study*. 4<sup>th</sup> Edition. Elsevier Science Publishers B.V. Amsterdam.
- Kurtzman C.P.** 2011. *Lodderomyces van der Walt (1971)*. Chapter 44 In Kurtzman CP, Fell JW, Boekhout T (ed), *The yeasts: a taxonomic study*. Elsevier, Amsterdam, the Netherlands.
- Kurtzman, C.P., J.W. Fell and T. Boekhout.** 2011. *The Yeasts, a Taxonomic Study*. 5<sup>th</sup> Edition Elsevier B.V.
- Kwon-Chung, K.J., I. Polacheck and J.E. Bennett.** (1982). Improved diagnostic medium for separation of *Cryptococcus neoformans* var. *neoformans* (Serotypes A and D) and *Cryptococcus neoformans* var. *gattii* (Serotypes B and C). *J. Clin. Microbiol.* 15: 535-537.
- Kwon-Chung, K.J., T. Boekhout, J. Fell and M. Diaz.** 2002. Proposal to conserve the name *Cryptococcus gattii* against *C. hondurianus* and *C. bacillisporus* (Basidiomycota, Hymenomycetes, Tremellomycetidae). *Taxon* 51: 804-806.
- Kwon-Chung, K.J. and J.W. Bennett.** 1992. *Medical Mycology*. Lea & Febiger, Philadelphia, 861pp.
- Lachance, M-A., T. Boekhout, G. Scorzetti et al.** 2011. *Candida* Berhout (1923). Chapter 90 in *The Yeasts, a Taxonomic Study*, 5<sup>th</sup> edition eds Kurtzman, C.P., J.W. Fell and T. Boekhout, Elsevier B.V. pages 987-1278.
- Lackner, M. and G.S. de Hoog.** 2011. *Parascedosporium* and its relatives: phylogeny and ecological trends. *IMA Fungus* 2: 39-48.
- Lackner, M., G.S. de Hoog, P.E. Verweij et al.** 2012a. Species-specific anti-fungal susceptibility patterns of *Scedosporium* and *Pseudallescheria* species. *Antimicrob. Agents Chemother.* 56: 2635-2642.
- Lackner, M., M.J. Najafzadeh, J. Sun et al.** 2012b. Rapid identification of *Pseudallescheria* and *Scedosporium* strains using Rolling Circle Amplification. *Appl. Environ. Microbiol.* 78: 126-133.
- Lackner, M., G.S. de Hoog, L. Yang et al.** 2014a. Proposed nomenclature for *Pseudallescheria*, *Scedosporium* and related genera. *Fungal Div.* 67: 1-10.

## REFERENCES

- Lackner, M., F. Hagen, J.F. Meis et al.** 2014b. Susceptibility and diversity in therapy-refractory genus *Scedosporium*. *Antimicro. Agents Chemother.* 58: 5877-5885.
- Lass-Flori, C. and A. Mayr.** 2007. Human protothecosis. *Clin. Microbiol. Rev.* 20: 230-242.
- Lau, A.F., S.K. Drake, L.B. Calhoun et al.** 2013. Development of a clinically comprehensive database and a simple procedure for identification of moulds from solid media by Matrix-Assisted Laser Desorption Ionization - Time of Flight Mass Spectrometry. *J. Clin. Microbiol.* 51: 828-834.
- Lawrence, R.M., W.T. Snodgrass, G.W. Reichel et al.** 1986. Systemic zygomycosis caused by *Apophysomyces elegans*. *J. Med. Vet. Mycol.* 24: 57-65.
- Lee, S. and R.T. Hanlin.** 1999. Phylogenetic relationships of *Chaetomium* and similar genera based on ribosomal DNA sequences. *Mycologia* 91: 434-442.
- Lennon, P.A., C.R. Cooper, Jr., I.F. Salkin et al.** 1994. Ribosomal DNA internal transcribed spacer analysis supports synonymy of *Scedosporium inflatum* and *Lomentospora prolificans*. *J. Clin. Microbiol.* 32: 2413-2416.
- Li, J., J. Xu, F. Bai.** 2006. *Candida pseudorugosa* sp. nov., a novel yeast species from sputum. *J. Clin. Microbiol.* 44: 4486-4490.
- Liu, J.-K., R. Phookamsak, M. Doilom et al.** 2012. Towards a natural classification of Botryosphaerales. *Fung. Div.* 57: 149-210.
- L'Ollivier, C., C. Cassagne, A.C. Normand et al.** 2013. A MALDI-TOF MS procedure for clinical dermatophyte species identification in the routine laboratory. *Med. Mycol.* 51: 713-270.
- Lockhart, S.R., S.A. Messer, M.A. Pfaller et al.** 2008. *Lodderomyces elongisporus* masquerading as *Candida parapsilosis* as a cause of bloodstream infections. *J. Clin. Microbiol.* 46 : 374-376.
- Lockhart, S.R., N. Iqbal, C.B. Bolden et al.** 2012. Epidemiologic cutoff values for triazole drugs in *Cryptococcus gattii*: correlation of molecular type and *in vitro* susceptibility. *Diagn. Microbiol. Infect. Dis.* 73: 144-148.
- Lonial, S., L. Williams, G. Carum et al.** 1997. *Neosartorya fischeri*: an invasive fungal pathogen in an allogeneic bone marrow transplant patient. *Bone Marrow Transpl.* 19: 753-755.
- Lu, Q., A.H.G. Gerrits van den Ende, J.M.J.E. Bakkers et al.** 2011. Identification of *Pseudallescheria* and *Scedosporium* Species by Three Molecular Methods. *J. Clin. Microbiol.* 49: 960-967.
- Lu, X.L., M.J. Najafzadeh, Y.P. Ran et al.** 2013. Taxonomy and epidemiology *Mucor irregularis*, agent of chronic cutaneous mucormycosis. *Persoonia* 30: 48-56.
- Lu, X.-I., Z.-h. Liu, Y.-n. Shen et al.** 2009. Primary cutaneous zygomycosis caused by *Rhizomucor variabilis*: a new endemic zygomycosis? A case report and review of 6 cases reported from China. *Clin. Infect. Dis.* 49: e39-e49.
- Luangsa-ard, J., J. Houbraken, T. van Doorn et al.** 2011. *Purpureocillium*, a new genus for the medically important *Paecilomyces lilacinus*. *FEMS Microbiol. Lett.* 321: 141-149.
- Lunn, J.A. and W.A. Shipton.** 1983. Re-evaluation of taxonomic criteria in *Cunninghamella*. *Trans. Br. Mycol. Soc.* 81: 303-312.
- Luttrell, E.S.** 1978. Biosystematics of *Helminthosporium*: impact on agriculture. In *Biosystematics in Agriculture*. eds. J.A. Romberger et al. Allandheld, Osmon & Co., N.J. USA.
- Lyratzopoulos, G., M. Ellis, R. Nerringer et al.** 2002. Invasive infection due to *Penicillium* species other than *P. marneffeii*. *J. Infect.* 45: 184-207.
- Machouart, M., P. Menir, R. Helenon et al.** 2012. *Scytalidium* and scytalidiosis: what's new in 2012? *J. Mycol. Méd.* 23: 40-46.

## REFERENCES

- Mackenzie, D.W.R., W. Loeffler, A. Mantovani et al.** 1986. Guidelines for the prevention, preservation and control of dermatophytoses in man and animals. World Health Organization.
- Madrid, H., M. Ruíz-Cendoya, J. Cano et al.** 2009. Genotyping and *in vitro* antifungal susceptibility of *Neoscytalidium dimidiatum* isolates from different origins. *Int. J. Antimicrob. Agents.* 34: 351-354.
- Madrid, H., K.C. da Cunha, J. Gene et al.** 2014. Novel *Curvularia* species from clinical specimens. *Persoonia* 33: 48–6.
- Malloch, D. and R.F. Cain.** 1972. The Trichocomataceae: Ascomycetes with *Aspergillus*, *Paecilomyces*, and *Penicillium* imperfect states. *Can. J. Bot.* 50: 2613-2628.
- Malloch, D. and I.F. Salkin.** (1984). A new species of *Scedosporium* associated with osteomyeliditis in humans. *Mycotaxon.* 21: 247-255.
- Manamgoda, D.S., L. Cai, E.H.C McKenzie et al.** 2012. A phylogenetic and taxonomic re-evaluation of the *Bipolaris* - *Cochliobolus* - *Curvularia* complex. *Fungal Diversity* 56: 131-144.
- Manamgoda, D.S., A.Y. Rossman, L.A. Castlebury et al.** 2014. The genus *Bipolaris*. *Stud. Mycol.* 79: 221-288.
- Marimón, R., J. Cano, J. Gené, D.A. et al.** 2007. *Sporothrix brasiliensis*, *S. globosa*, and *S. mexicana*, three new *Sporothrix* species of clinical interest. *J. Clin. Microbiol.* 45: 3198-3206.
- Marimon, R., C. Serena, J. Gene et al.** 2008. *In vitro* antifungal susceptibilities of five species of *Sporothrix*. *Antimicrob. Agents Chemother.* 52: 732-734.
- Matsumoto, T., A.A. Padhye and L. Ajello.** 1987. Medical significance of the so-called black yeasts. *Eur. J. Epidemiol.* 3: 87-95.
- Matsumoto, T., A.A. Padhye, L. Ajello et al.** 1984. Critical review of human isolates of *Wangiella dermatitidis*. *Mycologia.* 76: 232-249.
- McCullough, M.J., K.V. Clemons, J.H. McCusker et al.** 1998. Intergenic transcribed spacer PCR ribotyping for differentiation of *Saccharomyces* species and interspecific hybrids. *J. Clin. Microbiol.* 36: 1035-1038.
- McGinnis, M.R.** 1978a. Human pathogenic species of *Exophiala*, *Phialophora*, and *Wangiella*. In the black and white yeasts. Proceedings of the fourth international conference on the mycoses. 1978. Scientific Publication No. 356. PAHO. Washington D.C. USA. pp. 37-59.
- McGinnis, M.R.** 1978b. Taxonomy of *Exophiala jeanselmei*. *Mycopathologia.* 65: 79-87.
- McGinnis, M.R.** 1980. Laboratory handbook of medical mycology. Academic Press.
- McGinnis, M.R. and D. Borelli.** 1981. *Cladosporium bantianum* and its synonym *Cladosporium trichoides*. *Mycotaxon.* 13: 127-136.
- McGinnis, M.R., W.A. Schell and J. Carson.** 1985. *Phaeoannellomyces* and the Phaeococcomycetaceae, new dematiaceous blastomycete taxa. *J. Med. Vet. Mycol.* 23: 179-188.
- McGinnis, M.R., D. Borelli, A.A. Padhye and L. Ajello.** 1986a. Reclassification of *Cladosporium bantiana* in the genus *Xylohypha*. *J. Clin. Microbiol.* 23: 1148-1151.
- McGinnis, M.R., M.G. Rinaldi and R.E. Winn.** 1986b. Emerging agents of Phaeohyphomycosis: pathogenic species of *Bipolaris* and *Exserohilum*. *J. Clin. Microbiol.* 24: 250-259.
- McGinnis, M.R. and A.A. Padhye.** 1977. *Exophiala jeanselmei*, a new combination for *Phialophora jeanselmei*. *Mycotaxon.* 5: 341-352.
- McGinnis, M.R., A.A. Padhye and L. Ajello.** 1982. *Pseudallescheria* Negroni et Fischer, 1943 and its later synonym *Petriellidium* Malloch, 1970. *Mycotaxon* 9: 94-102.
- McGinnis, M.R., L. Pasarell, D.A. Sutton et al.** 1997. *In vitro* evaluation of voriconazole against some clinically important fungi. *Antimicrob. Agents Chemother.* 41: 1832-1834.



## REFERENCES

- McGinnis, M.R. and L. Pasarell.** 1998a. *In vitro* testing of susceptibilities of filamentous ascomycetes to voriconazole, itraconazole, and amphotericin B, with consideration of phylogenetic implications. *J. Clin. Microbiol.* 36: 2353-2355.
- McGinnis, M.R. and L. Pasarell.** 1998b. *In vitro* evaluation of terbinafine and itraconazole against dematiaceous fungi. *Medical Mycology.* 36: 243-246.
- McTaggart, L., S.E. Richardson, C. Seah et al.** 2013. Rapid identification of *Cryptococcus neoformans* var. *grubii*, *C. neoformans* var. *neoformans*, and *C. gattii* by use of rapid biochemical tests, differential media, and DNA sequencing. *J. Clin. Microbiol.* 49: 2522-2527.
- Michel, J., D. Maubon, D.A. Varoquaux et al.** 2015. *Schizophyllum commune*: an emergent or misdiagnosed fungal pathogen in rhinology? *Med. Mycol.*, 2015, 00, 1-9, doi: 10.1093/mmy/myv084.
- Millner, P.D.** 1975. Radial growth responses to temperature by 58 *Chaetomium* species, and some taxonomic relationships. *Mycologia* 69: 492-502.
- Miranda, K.C., C.R. de Araujo, C.R. Costa et al.** 2007. Antifungal activities of azole agents against the *Malassezia* species. *Int. J. Antimicrob. Agents.* 29: 281-284.
- Miranda-Zapico, I., E. Eraso, J.L. Hernández-Almaraz et al.** 2011. Prevalence and antifungal susceptibility patterns of new cryptic species inside the species complexes *Candida parapsilosis* and *Candida glabrata* among blood isolates from a Spanish tertiary hospital. *J. Antimicrob. Chemother.* 66: 2315-2322.
- Mirhendi, H., K. Makimura, G.S. de Hoog et al.** 2015. Translation elongation factor 1- $\alpha$  gene as a potential taxonomic and identification marker in dermatophytes. *Med. Mycol.* 53: 215-224.
- Misra, P.C., K.J. Srivastava and K. Latas.** 1979. *Apophysomyces*, a new genus of the Mucorales. *Mycotaxon.* 8: 377-382.
- Mochizuki, T., K. Anzawa, Y. Sakata et al.** 2013. Simple identification of *Trichophyton tonsurans* by chlamydospore-like structures produced in culture media. *J. Dermatol.* 40: 1027-1032.
- Mok, W.Y.** 1982. Nature and identification of *Exophiala werneckii*. *J. Clin. Microbiol.* 16: 976-978.
- Monheit, J.E., D.F. Cowan, and D.G. Moore.** 1984. Rapid detection of fungi in tissues using calcofluor white and fluorescence microscopy. *Arch. Pathol. Lab. Med.* 108: 616-618.
- Montel, E., P.D. Bridge and B.C. Sutton.** 1991. An integrated approach to *Phoma* systematics. *Mycopathologia* 115: 89-103.
- Moore, M.K.** 1986. *Hendersonula toruloidea* and *Scytalidium hyalinum* infections in London, England. *J. Med. Vet. Mycol.* 24: 219-230.
- Morjaria, S., C. Otto, A. Moreira et al.** 2015. Ribosomal RNA gene sequencing for early diagnosis of *Blastomyces dermatitidis* infection. *Int. J. Infect. Dis.* 37: 122-124.
- Morton, F.J. and G. Smith.** 1963. The genera *Scopulariopsis* Bainier, *Microascus* Zukai, and *Doratomyces* Corda. *Mycological Papers*, No. 86. Commonwealth Mycological Institute, Kew, London.
- Mostert, L., J.Z. Groenewald, R.C. Summerbell et al.** 2006. Taxonomy and pathology of *Togninia* (*Diaporthales*) and its *Phaeoacremonium* anamorphs. *Stud. Mycol.* 54: 1-115.
- Mostert, L., J.Z. Groenewald, R.C. Summerbell et al.** 2005. Species of *Phaeoacremonium* associated with infections in humans and environmental reservoirs in infected woody plants. *J. Clin. Microbiol.* 43: 1752-1767.
- Najafzadeh, M.J., C. Gueidan, H. Badali et al.** 2009. Genetic diversity and species delimitation in the opportunistic genus *Fonsecaea*. *Med. Mycol.* 47: 17-25.
- Najafzadeh, M.J., H. Badali, M.T. Illnait-Zaragozi et al.** 2010a. *In vitro* activities of eight antifungal drugs against 55 clinical isolates of *Fonsecaea* spp. *J. Clin. Microbiol.* 54: 1636-1638.

## REFERENCES

- Najafzadeh, M.J., J. Sun, V. Vicente et al.** 2010b. *Fonsecaea nubica* sp. nov, a new agent of human chromoblastomycosis revealed using molecular data. *Med. Mycol.* 48: 800-806.
- Najafzadeh, M.J., D.A. Sutton, M. S. Keisari et al.** 2014. *In Vitro* Activities of Eight Antifungal Drugs against 104 Environmental and Clinical Isolates of *Aureobasidium pullulans*. *Antimicrob. Agents and Chemother.* 58: 5629-5631.
- Nakamura, Y., R. Kano, T. Mural et al.** 2000. Susceptibility testing of *Malassezia* species using the urea broth microdilution method. *Antimicrob. Agents Chemother.* 44: 2185-2186.
- Nenoff, P., M. Erhhar, J. C. Simon et al.** 2013. MALDI-TOF mass spectrometry - a rapid method for the identification of dermatophyte species. *Med. Mycol.* 51: 17-24.
- Ng, K.P., T.S. Soo-Hoo, S.L. Na et al.** 2005. The mycological and molecular study of *Hortaea werneckii* isolated from blood and splenic abscess. *Mycopathologia* 159: 495-500.
- Nishimura, K. and M. Miyaji.** 1983. Studies on the phylogenesis of pathogenic "black yeasts". *Mycopathologia* 81: 135-144.
- Nobrega de Almeida J., L.B. de Souza, A.L. Motta et al.** 2014. Evaluation of the MALDI-TOF VITEK MS™ system for the identification of *Candida parapsilosis*, *C. orthopsilosis* and *C. metapsilosis* from bloodstream infections. *J. Microbiol. Methods.* 105: 105-108.
- Nottebrock, H., H.J. Scholer and M. Wall.** 1974. Taxonomy and identification of mucormycosis causing fungi. 1. Synonymy of *Absidia ramosa* with *A. corymbifera*. *Sabouraudia* 12: 64-74.
- Nucci, M. and E. Anaissie.** 2007. *Fusarium* Infections in Immunocompromised Patients. *Clin. Microbiol. Rev.* 20: 695-704.
- O'Donnell, K.L.** 1979. Zygomycetes in culture. *Palfrey Contributions in Botany* 2. University of Georgia. pp 257.
- O'Donnell, K., D.A. Sutton, A. Fothergill et al.** 2008. Molecular phylogenetic diversity, multilocus haplotype nomenclature, and *in vitro* antifungal resistance within the *Fusarium solani* species complex. *J. Clin. Microbiol.* 46: 2477-2490.
- O'Donnell, K., C. Gueidan, S. Sink et al.** 2009a. A two-locus DNA sequence database for typing plant and human pathogens within the *Fusarium oxysporum* species complex. *Fungal Genetics and Biology* 46: 936-948.
- O'Donnell, K., D.A. Sutton, M.G. Rinaldi et al.** 2009b. Novel multilocus sequence typing scheme reveals high genetic diversity of human pathogenic members of the *Fusarium incarnatum-F. equiseti* and *F. chlamyosporum* species complexes within the United States. *J. Clin. Microbiol.* 47: 3851-3861.
- O'Donnell, K., T.J. Ward, V.A.R.G. Robert et al.** 2015. DNA sequence-based identification of *Fusarium*: Current status and future directions. *Phytoparasitica* 43: 583-595.
- Ohuri, A., S. Endo, A. Sano et al.** 2006. Rapid identification of *Ochroconis gallopava* by a loop-mediated isothermal amplification (LAMP) method. *Vet. Microbiol.* 114: 359-365.
- Okada, G., T. Kirisits, G.W. Louis-Seize et al.** 2000. Epitypification of *Graphium penicillioides* Corda, with comments on the phylogeny and taxonomy of *Graphium*-like synnematous fungi. *Stud. Mycol.* 45: 169-188.
- Oliveira, D.C., P.G. Lopes, T.B. Spader et al.** 2011. Antifungal susceptibilities of *Sporothrix albicans*, *S. brasiliensis*, and *S. luriei* of the *S. schenckii* complex identified in Brazil. *J Clin Microbiol.* 49: 3047-3049.
- Oliveira, M.M.E., R. Almeida-Paes, M.C. Gutierrez-Galhardob et al.** 2014. Molecular identification of the *Sporothrix schenckii* complex. *Rev Iberoam Micol.* 31: 2-6.
- Onions, A.H.S., D. Allsopp and H.O.W. Egging.** 1981. *Smith's introduction to industrial mycology.* Edward Arnold.

## REFERENCES

- Packeu, A., M. Hendrickx, H. Beguin et al.** 2013. Identification of the *Trichophyton mentagrophytes* complex species using MALDI-TOF mass spectrometry. *Med. Mycol.* 51: 580-585.
- Packeu, A., A. De Bel, C. l'Ollivier et al.** 2014. Fast and accurate identification of dermatophytes by matrix-assisted laser desorption ionization-time of flight mass spectrometry: validation in the clinical laboratory. *J. Clin. Microbiol.* 52: 3440-3443.
- Padhye, A.A. and J.W. Carmichael.** 1972. *Arthroderma insingulare* sp. nov. another Gymnoascaceous state of the *Trichophyton terrestre* complex. *Sabouraudia* 10: 47-51.
- Padhye, A.A., and L. Ajello** 1988. Simple method of inducing sporulation by *Apophysomyces elegans* and *Saksenaea vasiformis*. *J. Clin. Microbiol.* 26: 1861-1863.
- Padhye, A.A., G. Koshi, V. Anandi et al.** 1988. First case of subcutaneous zygomycosis caused by *Saksenaea vasiformis* in India. *Diagn. Microbiol. Infect. Dis.* 9: 69-77.
- Padhye, A.A., G. Smith, D. McLaughlin et al.** 1992. Comparative evaluation of a chemiluminescent DNA probe and exoantigen test for rapid identification of *Histoplasma capsulatum*. *J. Clin. Microbiol.* 30: 3108-3111.
- Padhye, A.A., J.H. Godfrey, F.W. Chandler et al.** 1994a. Osteomyelitis caused by *Neosartorya pseudofischeri*. *J. Clin. Microbiol.* 32: 2832-2836.
- Padhye, A.A., G. Smith, P.G. Standard et al.** 1994b. Comparative evaluation of chemiluminescent DNA probe assays and exoantigen tests for rapid identification of *Blastomyces dermatitidis* and *Coccidioides immitis*. *J. Clin. Microbiol.* 32: 867-870.
- Paredes, K., D.A. Sutton, J. Cano. et al.** 2012. Molecular identification and antifungal susceptibility testing of clinical isolates of the *Candida rugosa* species complex and proposal of the new species *Candida neorugosa*. *J. Clin. Microbiol.* 50: 2397-2403.
- Pastor, F.J. and J. Guarro.** 2008. *Alternaria* infections: laboratory diagnosis and relevant clinical features. *Clin. Microbiol. Infect.* 14: 734-746.
- Perdomo, H., D.A. Sutton, D. Garcia et al.** 2011a. Spectrum of clinically relevant *Acremonium* species in the United States. *J. Clin. Microbiol.* 49: 243-256.
- Perdomo, H., D.A. Sutton, D. Garcia et al.** 2011b. Molecular and phenotypic characterization of *Phialemonium* and *Lecythophora* isolates from clinical samples. *J. Clin. Microbiol.* 49: 1209-1216.
- Pendle, S., K. Weeks, M. Priest et al.** 2004. Phaeophycomycotic soft tissue infections caused by the Coelomycetous fungus *Microspheeropsis arundis*. *J. Clin. Microbiol.* 42: 5315-5319.
- Perdomo, H., J. Cano, J. Gené et al.** 2013. Polyphasic analysis of *Purpureocillium lilacinum* isolates from different origins and proposal of the new species *Purpureocillium lavendulum*. *Mycologia* 105: 151-161.
- Peterson, S.W.** 2000. Phylogenetic relationships in *Aspergillus* based on rDNA sequence analysis. In R.A. Samson & J.I. Pitt (eds): *Integration of Modern Taxonomic Methods for Penicillium and Aspergillus Classification*, pp. 323-355.
- Peterson, S.W.** 2008. Phylogenetic analysis of *Aspergillus* species using DNA sequences from four loci. *Mycologia* 100: 205-226.
- Pfaller, M.A., and D.J. Diekema.** 2010. Epidemiology of invasive mycoses in North America. *Crit. Rev. Microbiol.* 36: 1-53.
- Pfaller, M.A., M. Castanheira, D.J. Diekema et al.** 2011. Wild-type MIC distributions and epidemiologic cutoff values for fluconazole, posaconazole, and voriconazole when testing *Cryptococcus neoformans* as determined by the CLSI broth microdilution method. *Diagnostic Microbiology and Infectious Disease* 71: 252-259.
- Pfaller, M.A., and D.J. Diekema.** 2012. Progress in antifungal susceptibility testing of *Candida* spp. by use of Clinical and Laboratory Standards Institute broth microdilution methods, 2010 to 2012. *J. Clin. Microbiol.* 50: 2846-2856.

## REFERENCES

- Pfaller, M.A., S.A. Messer, L.N. Woosley et al.** 2013. Echinocandin and Triazole antifungal susceptibility profiles for clinical opportunistic yeast and mold isolates collected from 2010 to 2011: application of new CLSI clinical breakpoints and epidemiological cutoff values for characterization of geographic and temporal trends of antifungal resistance. *J. Clin. Microbiol.* 51: 2571-2581.
- Pfaller, M.A., P.R. Rhomberg, S.A. Messer et al.** 2015. Isavuconazole, micafungin, and 8 comparator antifungal agents' susceptibility profiles for common and uncommon opportunistic fungi collected in 2013: temporal analysis of antifungal drug resistance using CLSI species-specific clinical breakpoints and proposed epidemiological cutoff values. *Diagnostic Microbiology and Infectious Disease* 82: 303-313.
- Phillips, A.J., A. Alves, J. Abdollahzadeh et al.** 2013. The Botryosphaeriaceae: genera and species known from culture. *Stud. Mycol.* 76: 51-167.
- Pitt, J.I.** 1979. The genus *Penicillium* and its teleomorphic states *Eupenicillium* and *Talaromyces*. Academic Press.
- Pore, R.S.** 1985. Prototheca taxonomy. *Mycopathologia* 129: 129-139.
- Pritchard, R.C., D.B. Muir, K.H. Archer et al.** 1986. Subcutaneous zygomycosis due to *Saksenaea vasiformis* in an infant. *Med. J. Aust.* 145: 630-631.
- Pujol, I., C. Aguilar, J. Gene, J. Guarro.** 2000. *In vitro* antifungal susceptibility of *Alternaria* spp. and *Ulocladium* spp. *J. Antimicrob. Chemother.* 46: 337.
- Punithalingam, E.** 1979. Sphaeropsidales in culture from humans. *Nova Hedwigia.* 31: 119-158.
- Pryor, B.M. and R.L. Gilbertson.** 2000. Molecular phylogenetic relationships amongst *Alternaria* species and related fungi based upon analysis of nuclear ITS and mt SSU rDNA sequences. *Mycol. Res.* 104: 1312-1321.
- Rainer, J. and G.S. de Hoog.** 2006. Molecular taxonomy and ecology of *Pseudallescheria*, *Petriella* and *Scedosporium prolificans* (Microascaceae) containing opportunistic agents on humans. *Mycol. Res.* 110: 151-160.
- Ramani, R. and V. Chaturvedi.** 2007. Antifungal susceptibility profiles of *Coccidioides immitis* and *Coccidioides posadasii* from endemic and non-endemic areas. *Mycopathologia* 163: 315-319.
- Ramirez, C.** 1982. Manual and atlas of the Penicillia. Elsevier Biomedical Press.
- Ramos, L.S., M.H.G. Figueiredo-Carvalho, L.S. Barbedo et al.** 2015. *Candida haemulonii* complex: species identification and antifungal susceptibility profiles of clinical isolates from Brazil. *Antimicrob. Chemother.* 70: 111-115.
- Raper, K.B. and D.I. Fennell.** 1965. The genus *Aspergillus*. William & Wilkins Co., Baltimore.
- Raper, K.B. and C.H. Thom.** 1949. A manual of the penicillia. William & Wilkins Co., Baltimore.
- Rebell, G. and D. Taplin.** 1970. The Dermatophytes. 2nd. revised edition. University of Miami Press, Coral Gables, Florida. USA.
- Rehner, S.A. and E. Buckley** 2005. A *Beauveria* phylogeny inferred from nuclear ITS and EF1-alpha sequences: evidence for cryptic diversification and links to *Cordyceps* teleomorphs. *Mycologia* 97: 84-98.
- Reppas, G., T. Gottlieb, M. Krockenberger et al.** 2015. *Microsphaeropsis arundinis* an emerging cause of phaeohyphomycosis in cats and people. *Microbiol. Australia* 36: 74-78.
- Revankar, S.G. and D. A. Sutton.** 2010. Melanized Fungi in Human Disease. *Clin. Microbiol. Rev.* 23: 884-928.
- Riddell R.W.** 1950. Permanent stained mycological preparations obtained by slide culture. *Mycologia* 42: 265-270.
- Rippon, J.W.** 1988. Medical Mycology. 3rd Edition. W.B. Saunders Co.
- Rippon, J.W., P.M. Arnow, R.A. Larson et al.** 1985. "Golden tongue" syndrome caused by *Ramichloridium schulzeri*. *Arch. Dermatol.* 121: 892-894.

## REFERENCES

- Rodriguez-Tudela, J.L., T.M. Diaz-Guerra, E. Mellado et al.** 2005. Susceptibility patterns and molecular identification of *Trichosporon* species. *Antimicrob. Agents Chemother.* 49: 4026-4034.
- Rodriguez-Tudela, J.L., J. Berenguer, J. Guarro et al.** 2009. Epidemiology and outcome of *Scedosporium prolificans* infection, a review of 162 cases. *Med. Mycol.* 47: 359-370.
- Rodrigues, A.M., G.S. de Hoog, D. de Cássia Pires et al.** 2014. Genetic diversity and antifungal susceptibility profiles in causative agents of sporotrichosis. *BMC Infect. Dis.* 14:219. doi: 10.1186/1471-2334-14-219.
- Romeo, O., F. Scordino and G. Criseo.** 2011. New insight into molecular phylogeny and epidemiology of *Sporothrix schenckii* species complex based on calmodulin encoding gene analysis of Italian isolates. *Mycopathologia* 172: 179-86.
- Sabatelli, F., R. Patel, P.A. Mann et al.** 2006. *In vitro* activities of posaconazole, fluconazole, itraconazole, voriconazole, and amphotericin B against a large collection of clinically important moulds and yeasts. *Antimicrob. Agents Chemother.* 50: 2009-2015.
- Saksena, S.B.** 1953. A new genus of Mucorales. *Mycologia* 45: 426-436
- Salah, H., A.M.S. Al-Hatmi, B. Theelen et al.** 2015. Phylogenetic diversity of human pathogenic *Fusarium* and emergence of uncommon virulent species. *J. Infect.* 71: 658-666.
- Salkin, I.F., M.R. McGinnis, M.J. Dykstra and M.G. Rinaldi.** 1988. *Scedosporium inflatum*, an emerging pathogen. *J. Clin. Microbiol.* 26: 498-503.
- Samerpitak, K., E. van der Linde, H.J. Choi et al.** 2014. Taxonomy of *Ochroconis*, genus including opportunistic pathogens on humans and animals. *Fung. Div.* 65: 89-126.
- Samson, R.A.** 1969. Revision of the genus *Cunninghamella* (Fungi, Mucorales). *Proceedings of the Koninklijke Nederlandse Akademie van Wetenschappen, ser. C*, 72: 322-335.
- Samson, R.A.** 1974. *Paecilomyces* and some allied hyphomycetes. *Stud. Mycol.* No. 6. Baarn, The Netherlands.
- Samson, R.A.,** 1979. A compilation of the *Aspergilli* described since 1965. *Stud. Mycol.* 18: 1-40.
- Samson, R.A., E.S. Hoekstra, J.C. Frisvad and O. Filtenborg.** 1995. Introduction to food-borne fungi. Centraalbureau voor Schimmelcultures, P.O.Box 273, 3740 AG BAARN, The Netherlands.
- Samson, R.A. and J.I. Pitt (eds).** 1990. Modern concepts in *Penicillium* and *Aspergillus* classification. Plenum Press, New York, USA.
- Samson, R.A. and J.I. Pitt (eds).** 2000. Integration of Modern Taxonomic Methods for *Penicillium* and *Aspergillus* Classification. Harwood, Amsterdam, 510 pp.
- Samson, R.A., S. Hong, S.W. Peterson et al.** 2007 Polyphasic taxonomy of *Aspergillus* section *Fumigati* and its teleomorph *Neosartorya*. *Stud. Mycol.* 59: 147-203.
- Samson, R.A., J. Varga and J.C. Frisvad (eds).** 2011a. Taxonomic studies on the genus *Aspergillus*. *Stud. Mycol.* 69: 1-97.
- Samson, R.A., N. Yilmaz, J. Houbraken et al.** 2011b. Phylogeny and nomenclature of the genus *Talaromyces* and taxa accommodated in *Penicillium* subgenus *Biverticillium*. *Stud. Mycol.* 70: 159-183.
- Samson, R.A., C.M. Visagie, J. Houbraken et al.** 2014. Phylogeny, identification and nomenclature of the genus *Aspergillus*. *Stud. Mycol.* 78: 141-173.
- Sandoval-Denis, M., J. Gené, D.A. Sttuon et al.** 2015. *Acrophialophora*, a poorly known fungus with clinical significance. *J. Clin. Microbiol.* 53: 1549-55.
- Sandoval-Denis, M., D.A. Sutton, A.W. Fothergill et al.** 2013. *Scopulariopsis*, a poorly known opportunistic fungus: spectrum of species in clinical samples and *in vitro* responses to antifungal drugs. *J. Clin. Microbiol.* 51: 3937-3943.

## REFERENCES

- Sandoval-Denis, M., A. Giraldo, D.A. Sutton et al.** 2014a. *In vitro* antifungal susceptibility of clinical isolates of *Arthrographis kalrae*, a poorly known opportunistic fungus. *Mycoses* 57: 247-248.
- Sandoval-Denis, M., D.A. Sutton, J.F. Cano-Lira et al.** 2014b. Phylogeny of the clinically relevant species of the emerging fungus *Trichoderma* and their antifungal susceptibilities. *J. Clin. Microbiol.* 52: 2112-2125.
- Sandoval-Denis, M., D.A. Sutton, A. Martin-Vicente et al.** 2015. *Cladosporium* species recovered from clinical samples in the United States. *J. Clin. Microbiol.* 53: 2990-3000.
- Scalarone, G.M., A.M. Legendre, K.A. Clark et al.** 1992. Evaluation of a commercial DNA probe assay for the identification of clinical isolates of *Blastomyces dermatitidis* from dogs. *J. Med. Vet. Mycol.* 30: 43-49.
- Scheel, C.M., Y. Zhou, R.C. Theodoro et al.** 2014. Development of a loop-mediated isothermal amplification method for detection of *Histoplasma capsulatum* DNA in clinical samples. *J. Clin. Microbiol.* 52: 483-488.
- Schell, W.A., M.R. McGinnis and D. Borelli.** 1983. *Rhinocladiella aquaspora* a new combination for *Acrotheca aquaspersa*. *Mycotaxon* 17: 341-348.
- Schipper, M.A.A.** 1976. On *Mucor circinelloides*, *Mucor racemosus* and related species. *Stud. Mycol.* 12: 1-40.
- Schipper, M.A.A.** 1978. 1. On certain species of *Mucor* with a key to all accepted species. 2. On the genera *Rhizomucor* and *Parasitella*. *Stud. Mycol.* No.17. Centraalbureau voor Schimmelcultures, Baarn, The Netherlands.
- Schipper, M.A.A.** 1984. A revision of the genus *Rhizopus* 1. The *Rhizopus stolonifer* group and *Rhizopus oryzae*. *Stud. Mycol.* 25: 1-19.
- Schipper, M.A.A. and J.A. Stalpers.** 1984. A revision of the genus *Rhizopus* II. The *Rhizopus microsporus* group. *Stud. Mycol.* 25: 30-34.
- Schipper, M.A.A. and J.A. Stalpers.** 2003. Zygomycetes: The Order Mucorales. In Howard, D.H. (ed.), *Pathogenic Fungi in Humans and Animals*. 2<sup>nd</sup> edition, Marcel Dekker Inc., New York, 67-125.
- Schipper, M.A.A., M.M. Maslen, G.G. Hogg et al.** 1996. Human infection by *Rhizopus azygosporus* and the occurrence of azygospores in Zygomycetes. *J. Med. Vet. Mycol.* 34: 199-203.
- Schmidt, G., L. Calanni, M. Iacono, and R. Negroni.** 2000. *Cerinosterus cyanescens* fungemia: report of a case. *Proc. 14th ISHAM Congr., B. Aires*, p. 272.
- Scholer, H.J., E. Müller and M.A.A. Schipper.** 1983. Mucorales. In: Howard DH, ed. *Fungi pathogenic for humans and animals, Part A Biology*. Marcel Dekker Inc New York, pp 9-59.
- Schroers, H-J. K. O'Donnell, S.C. Lamprecht et al.** 2009. Taxonomy and phylogeny of the *Fusarium dimerum* species group. *Mycologia* 101: 44-70.
- Schrödl, W., T. Heydel, V.U. Schwartze et al.** 2012. Direct analysis and identification of pathogenic *Lichtheimia* species by matrix-assisted laser desorption ionization-time of flight analyzer-mediated mass spectrometry. *J. Clin. Microbiol.* 50: 419-427.
- Schubert, K., J.Z. Groenewald, U. Braun et al.** 2007. Biodiversity in the *Cladosporium herbarum* complex (Davidiellaceae, Capnodiales), with standardization of methods for *Cladosporium* taxonomy and diagnostics. *Stud Mycol.* 58:105–156.
- Serena, C., M. Ortoneda, J. Capilla et al.** 2003. *In Vitro* Activities of New Antifungal Agents against *Chaetomium* spp and Inoculum Standardization. *Antimicrobial. Agents Chemoth.* 47: 3161-3164.
- Seth, H.K.** 1970. A monograph of the genus *Chaetomium*. *Nova Hedwigia* 37:1-134.
- Seyedmousavi, S., K. Samerpitak, A.J.M.M. Rijs et al.** 2014. Antifungal Susceptibility Patterns of Opportunistic Fungi in the Genera *Verruconis* and *Ochroconis*. *Antimicro. Agents Chemoth.* 58: 3285-3292.

## REFERENCES

- Sfakianakis, A., K. Krasagakis, M. Stefanidou et al.** 2007. Invasive cutaneous infection with *Geotrichum candidum* - sequential treatment with amphotericin B and voriconazole. *Med Mycol.* 45: 81-84.
- Shipton, W.A. and P. Zahari.** 1987. Sporulation media for *Basidiobolus* species. *J. Med. Vet. Mycol.* 25: 323-327.
- Sidamonidze, K., M.K. Peck, M. Perez et al.** 2012. Real-time PCR assay for identification of *Blastomyces dermatitidis* in culture and in tissue. *J. Clin. Microbiol.* 50: 1783-1786.
- Sigler, L., S.P. Abbott and A.J. Woodgyer.** 1994. New records of nail and skin infection due to *Onychocola canadensis* and description of its teleomorph *Arachnomyces nodosetosus* sp. nov. *J. Med. Vet. Mycol.* 32: 275-285.
- Sigler, L. and J.W. Carmichael.** 1976. Taxonomy of *Malbranchea* and some other hyphomycetes with arthroconidia. *Mycotaxon* 4: 349-488.
- Sigler, L. and H. Congly.** 1990. Toenail infection caused by *Onychocola canadensis* gen. et. sp. nov. *J. Med. Vet. Mycol.* 28: 405-417.
- Sigler, L., L.M. de la Maza, G. Tan et al.** 1995. Diagnostic difficulties caused by a nonclamped *Schizophyllum commune* isolate in a case of fungus ball of the lung. *J. Clin. Microbiol.* 33: 1979-1983.
- Silveira, C.P., J.M. Torres-Rodriguez, E. Alvarado-Ramirez et al.** 2009. MICs and minimum fungicidal concentrations of amphotericin B, itraconazole, posaconazole and terbinafine in *Sporothrix schenckii*. *J. Med. Microbiol.* 58: 1607-1610.
- Simmons, E.G.** 1967. Typification of *Alternaria*, *Stemphylium* and *Ulocladium*. *Mycologia* 59: 67-92.
- Simmons, E.G.** 2007. *Alternaria*, an Identification Manual. CBS Biodiv. Ser. 6: 1-775.
- Simpson, J.A.** 2000. *Quambalaria*, a new genus of eucalypt pathogens. *Australasian Mycologist* 19: 57-62.
- Sitterlé, E., S. Giraud, J. Leto et al.** 2014. Matrix-assisted laser desorption ionization-time of flight mass spectrometry for fast and accurate identification of *Pseudallescheria/Scedosporium* species. *Clinical Microbiology and Infection* 20: 929-935.
- Sivanesan, A.** 1987. Graminicolous species of *Bipolaris*, *Curvularia*, *Drechslera*, *Exserohilum* and their teleomorphs. *Mycological Paper No. 158.* CAB International, U.K.
- Skora, M., A.B. Macura and M. Bulanda.** 2014. *In vitro* antifungal susceptibility of *Scopulariopsis brevicaulis* isolates. *Medical Mycology* 52: 723-727.
- Sleiman, S., C. Halliday, A.F. Lau et al.** 2015. Species identification of filamentous fungi directly from solid culture media using MALDI-TOF MS. Poster ISHAM Congress, Melbourne.
- Spiliopoulou, A., E.D. Anastassiou, and M. Christofidou.** 2012. *Rhodotorula* fungemia of an intensive care unit patient and review of published cases. *Mycopathologia* 174: 301-309.
- Staib F.** 1987. *Cryptococcus* in AIDS *Mycological Diagnostic and Epidemiological Observations.* *Aids Forshung (AIFO)* 2: 363-382.
- Stchigel, A.M., D.A. Sutton, J.F. Cano-Lira et al.** 2014. Phylogeny of chryso sporidia infecting reptiles: proposal of the new family *Nannizziopsiaceae* and five new species. *Persoonia* 31: 86-100.
- Steele, T., G.W. Kaminski and D. Hansman.** 1977. A case of coccidioidomycosis in Australia. *Med. J. Aust* 1: 968-969.
- Steinbach, W.J., J.-P. Latgé and D.A. Stevens (eds).** 2005. Advances against aspergillosis. *Med. Mycol.* 43, Suppl. 1: S1-S319.
- Sorrell, T. C.** 2001. *Cryptococcus neoformans* variety *gattii*. *Med. Mycol.* 39: 155-168.
- Strinivasan, M.C. and M.J. Thirumalachar.** 1965. *Basidiobolus* species pathogenic for man. *Sabouraudia* 4: 32-34.
- Sugar, A.M. and X.P. Liu.** 1996. *In vitro* and *in vivo* activities of SCH 56592 against *Blastomyces dermatitidis*. *Antimicrob. Agents Chemother.* 40: 1314-1316.

## REFERENCES

- Sugita, T.** 2011. *Trichosporon* Behrend (1890). Chapter 161 in *The Yeasts, a Taxonomic Study*, 5<sup>th</sup> edition eds Kurtzman, C.P., J.W. Fell and T. Boekhout, Elsevier B.V. pages 2015-2061.
- Sugiura, Y. and M. Hironaga.** 2010. *Arthrographis kalrae*, a rare causal agent of onychomycosis, and its occurrence in natural and commercially available soils. *Med. Mycol.* 48: 384-389.
- Summerbell, R.C., S.A. Rosenthal, and J. Kane.** 1988. Rapid method for differentiation of *Trichophyton rubrum*, *Trichophyton mentagrophytes*, and related dermatophyte species. *J. Clin. Microbiol.* 26: 2279-2282.
- Summerbell, R.C., L. de Repentigny, C. Chartrand et al.** 1992. Graft-related endocarditis caused by *Neosartorya fischeri* var. *spinosa*. *J. Clin. Microbiol.* 30: 1580-1582.
- Summerbell, R.C., C. Gueidan, H.J Schroers et al.** 2011. *Acremonium* phylogenetic overview and revision of *Gliomastix*, *Trichothecium* and *Sarocladium*. *Stud. Mycol.* 68: 139-162.
- Sun, Q.N., A.W. Fothergill, D.I. McCarthy et al.** 2002. *In vivo* activities of posaconazole, itraconazole, voriconazole, amphotericin B, and fluconazole against 37 clinical isolates of zygomycetes. *Antimicrob. Agents Chemother.* 46: 1581-1582.
- Sutton, B.C.** 1980. *The Coelomycetes, fungi imperfecti with pycnidia, acervuli and stromata.* Commonwealth Mycology Institute, Kew, London.
- Sutton, B.C. and B.J. Dyko.** 1989. Revision of *Hendersonula*. *Mycol. Res.* 93: 466-488.
- Sutton, D.A., M. Slifkin, R. Yakulis, and M. G. Rinaldi.** 1998. U.S. case report of cerebral phaeohyphomycosis caused by *Ramichloridium obovoideum* (*R. mackenziei*): criteria for identification, therapy, and review of other known dematiaceous neurotropic taxa. *J. Clin. Microbiol.* 36: 708-715.
- Taj-Aldeen, S.J., M. Almaslamani, A. Alkhalf et al.** 2010. Cerebral phaeohyphomycosis due to *Rhinocladiella mackenziei* (formerly *Ramichloridium mackenziei*): a taxonomic update and review of the literature. *Med. Mycol.* 48: 546-556.
- Tambini, R., C. Farina, R. Fiocchi et al.** 1996. Possible pathogenic role for *Sporothrix cyanescens* isolated from a lung lesion in a heart transplant patient. *J. Med. Vet. Mycol.* 34: 195-198.
- Tavanti, A., A.D. Davidson, N.A. Gow et al.** 2005. *Candida orthopsilosis* and *Candida metapsilosis* spp. nov. to replace *Candida parapsilosis* groups II and III. *J. Clin. Microbiol.* 43: 284-292.
- Teixeira, M.M., R.C. Theodoro, F.F. Oliveira et al.** 2014. *Paracoccidioides lutzii* sp. nov.: biological and clinical implications. *Med. Mycol.* 52: 19-28.
- Theodoro, R.C., M. Teixeira, M.S. Felipe et al.** 2012. Genus *Paracoccidioides*: species recognition and biogeographic aspects. *PLoS One* 7: e37694.
- Tintelnot, K., G.S. de Hoog, E. Antweiler et al.** 2007. Taxonomic and diagnostic markers for identification of *Coccidioides immitis* and *Coccidioides posadasii*. *Med. Mycol.* 45: 385-393.
- Tortorano, A.M., M. Richardson, E. Roilides et al.** 2014. ESCMID & ECMM joint guidelines on diagnosis and management of hyalohyphomycosis: *Fusarium* spp, *Scedosporium* spp, and others. *Clin. Microbiol. Infect.* 20 Suppl 3: 27-46.
- Tragiannidis, A., G. Bisping, G. Koehler et al.** 2010. Minireview: *Malassezia* infections in immunocompromised patients. *Mycoses* 53: 187-195.
- Tuon, F.F. and S.F. Costa.** 2008. *Rhodotorula* infection. A systematic review of 128 cases from literature. *Rev. Iberoam. Micol.* 25: 135-140.
- Turnidge, J., G. Kahlmeter, G. Kronvall.** 2006. Statistical characterization of bacterial wild-type MIC value distributions and determination of epidemiological cutoff values. *Clin. Microbiol. Infect.* 12: 418-425.
- Ueno, R., N. Hanagata, N. Urano et al.** 2005. Molecular phylogeny and phenotypic variation in the heterotrophic green algal genus *Prototheca*. *J. Phycol.* 41: 1268-1280.
- Vanbreusegham, R., CH. de Vroey and M. Takashio.** 1978. *Practical guide to medical and veterinary mycology.* Mason Publishing USA, Inc.



## REFERENCES

- Vanden Bossche, H., D.W.R. Mackenzie and G. Cauwenbergh (eds.)** 1988. *Aspergillus* and Aspergillosis. Plenum, New York, 322 pp.
- van Diepeningen, A.D., B. Brankovics, J. Iltes et al.** 2015. Diagnosis of *Fusarium* infections: approaches to identification by the clinical mycology laboratory. *Curr. Fungal Infect. Rep.* 9: 135-143.
- Van Oorschot, C.A.N.** 1980. A revision of *Chrysosporium* and allied genera. *Stud. Mycol.* No.20. Centraalbureau voor Schimmelcultures, Baarn, The Netherlands.
- Varga, J., J.C. Frisvad and R.A. Samson et al.** 2011. Two new aflatoxin producing species, and an overview of *Aspergillus* section *Flavi*. *Stud. Mycol.* 69: 57-80.
- Vaux, S., A. Criscuolo, M. Desnos-Ollivier et al.** 2014. Multicenter outbreak of infections by *Saprochaete clavata*, an unrecognized opportunistic fungal pathogen. *mBio* 5(6):e02309-14. doi:10.1128/mBio.02309-14.
- Velegraki, A., E.C. Alexopoulos, S. Kritikou et al.** 2004. Use of fatty acid RPMI 1640 media for testing susceptibilities of eight *Malassezia* species to the new triazole posaconazole and six established antifungal agents by a modified NCCLS M27-A2 microdilution method and Etest. *J. Clin. Microbiol.* 42: 3589-3593.
- Vidal, P., M. de los Vinueza, J.M. Sánchez-Puelles et al.** 2000. Phylogeny of chrysosporia infecting reptiles: proposal of the new family *Nannizziopsiaceae* and five new species. *Revta Iberoam. Micol.* 17: 24-31.
- Vijaykrishna, D., L. Mostert, R. Jeewon et al.** 2004. *Pleurostomophora*, an anamorph of *Pleurostoma* (*Calosphaeriales*), a new anamorph genus morphologically similar to *Phialophora*. *Stud. Mycol.* 50: 387-395.
- Vilela, R., S.M. Silva, F. Riet-Correa et al.** 2010. Morphologic and phylogenetic characterization of *Conidiobolus lamprauges* recovered from infected sheep. *J. Clin. Microbiol.* 48: 427-432.
- Visagie, C.M., J. Houbraken, J.C. Frisvad et al.** 2014. Identification and nomenclature of the genus *Penicillium*. *Stud. Mycol.* 78: 343-371.
- Vitale, R.G. and G.S. de Hoog.** 2002. Molecular diversity, new species and antifungal susceptibilities in the *Exophiala spinifera* clade. *Med. Mycol.* 40: 545-556.
- Voigt, K., E. Cigelnik and K. O'Donnell, K.** 1999. Phylogeny and PCR identification of clinically important zygomycetes based on nuclear ribosomal-DNA sequence data. *J. Clin. Microbiol.* 37: 3957-3964.
- von Arx, J.A., J. Guarro and M.J. Figueras.** 1986. The ascomycete genus *Chaetomium*. *Beih. Nova Hedwigia* 84: 162 pp.
- Walther, G., J. Pawlowska, A. Alastruey-Izquierd et al.** 2012. DNA barcoding in *Mucorales*: an inventory of biodiversity. *Persoonia* 30: 11-47.
- Wahyuningsih, R., I.N. SahBandar, B. Theelen et al.** 2008. *Candida nivariensis* isolated from an Indonesian human immunodeficiency virus-infected patient suffering from oropharyngeal candidiasis. *J. Clin. Microbiol.* 46: 388-391.
- Wang, P.-H., S.-W. Wang and Y.-T. Wang.** 1999. Phylogenetic relationships among the sections of form-genus *Aspergillus* and their teleomorphs inferred from ITS II rDNA sequences. *Chin. Agric. Chem. Soc.* 37: 470-480.
- Wang, X., Y-F. Fu, R-Y. Wang et al.** 2014. Identification of clinically relevant fungi and Prototheca species by rRNA gene sequencing and multilocus PCR coupled with electrospray ionization mass spectrometry. *PLoS ONE* 9(5): e98110.
- Weitzman, I.** 1984. The case for *Cunninghamella elegans*, *C. bertholletiae* and *C. echinulata* as separate species. *Trans. Br. Mycol. Soc.* 83: 527-528.
- Weitzman, I., M.R. McGinnis, A.A. Padhye and L. Ajello.** 1986. The genus *Arthroderma* and its later synonym *Nannizzia*. *Mycotaxon.* 25: 505-505.

## REFERENCES

- Weitzman, I. and M.Y. Crist.** 1980. Studies with clinical isolates of *Cunninghamella*. II. Physiological and morphological studies. *Mycologia* 72: 661-669.
- Wieden, M.A., K.K. Steinbronn, A.A. Padhye et al.** 1985. Zygomycosis caused by *Apophysomyces elegans*. *J. Clin. Microbiol.* 22: 522-526.
- Wilson, C.M., E.J. O'Rourke, M.R. McGinnis et al.** 1990. *Scedosporium inflatum*: Clinical spectrum of a newly recognised pathogen. *J. Infect. Dis.* 161: 102-107.
- Won, E.J., J.H. Shin, S.C. Lim et al.** 2012. Molecular identification of *Schizophyllum commune* as a cause of allergic fungal sinusitis. *Ann. Lab. Med.* 32: 375-379.
- Woudenberg, J.H.C., J.Z. Groenewald, M. Binder, and P.W. Crous.** 2013. *Alternaria* redefined. *Stud. Mycol.* 75: 171-212.
- Xi, L., J. Sun, C. Lu et al.** 2009b. Molecular diversity of *Fonsecaea* (*Chaetothyriales*) causing chromoblastomycosis in southern China. *Med. Mycol.* 47: 27-33.
- Xiao, M., L.N. Guo, F. Kong et al.** 2013. Practical identification of eight medically important *Trichosporon* species by reverse line blot hybridization (RLB) assay and rolling circle amplification (RCA). *Med. Mycol.* 51: 300-308.
- Yanagihara, M., M. Kawasaki, H. Ishizaki et al.** 2010. Tiny keratotic brown lesions on the interdigital web between the toes of a healthy man caused by *Curvularia* species infection and a review of cutaneous *Curvularia* infections. *Mycoscience* 51: 224-233.
- Yilmaz, N., C.M. Visagie, J. Houbraken et al.** 2014. Polyphasic taxonomy of the genus *Talaromyces*. *Stud. Mycol.* 78: 175-341.
- Yogo, N., L. Shapiro and K.M. Erlandson.** 2014. *Sepedonium* intra-abdominal infection: a case report and review of an emerging fungal infection. *J. Antimicrob. Chemother.* 69: 2583-1585.
- Yu, J., G. Walther, A.D. van Diepeningen et al.** 2015. DNA barcoding of clinically relevant *Cunninghamella* species. *Med. Mycol.* 53: 99-106.
- Yuan, G.F. and S.C. Jong.** 1984. A new obligate azygosporic species of *Rhizopus*. *Mycotaxon.* 20: 397-400.
- Zalar, P., G.S. de Hoog, H.J. Schroers et al.** 2007. Phylogeny and ecology of the ubiquitous saprobe *Cladosporium sphaerospermum*, with descriptions of seven new species from hypersaline environments. *Stud. Mycol.* 58: 157-183.
- Zheng, R.-y. and C.-q. Chen.** 2001. A monograph of *Cunninghamella*. *Mycotaxon* 80: 1-76.
- Zeng, J., D.A. Sutton, A.W. Fothergill et al.** 2007. Spectrum of clinically relevant *Exophiala* species in the U.S.A. *J. Clin. Microbiol.* 45: 3713-3720.
- Zeng, J. and G.S. de Hoog.** 2008. *Exophiala spinifera* and its allies: diagnostics from morphology to DNA barcoding. *Med. Mycol.* 46: 193-208.
- Zeng., J., P. Feng, Gerrits van den Ende et al.** 2014. Multilocus analysis of the *Exophiala jeanselmei* clade containing black yeasts involved in opportunistic disease in humans. *Fungal Diversity* 65: 3-16.
- Zhang, Y., F. Liu, W. Wu, L. Cai.** 2015a. A phylogenetic assessment and taxonomic revision of the thermotolerant hyphomycete genera *Acrophialophora* and *Taifanglania*. *Mycologia* 107: 768-79.
- Zhang, Y., F. Hagen, B. Stielow et al.** 2015b. Phylogeography and evolutionary patterns in *Sporothrix* spanning more than 14,000 human and animal case reports. *Persoonia* 35: 1-20.
- Zhao, Y., R. Petratiene, T.J. Walsh et al.** 2013. A real-time PCR assay for rapid detection and quantification of *Exserohilum rostratum*, a causative pathogen of fungal meningitis associated with injection of contaminated methylprednisolone. *J. Clin. Microbiol.* 51: 1034-1036.
- Zycha, H., R. Siepmann and G. Linnemann.** 1969. *Mucorales*, eine Beschreibung aller Gattungen und Arten dieser Pilzgruppe. Cramer Lehre, 355p.