

Laboratório de Taxonomia, Bioquímica e Bioprospecção de Fungos

2006

Indexado (fator de impacto <0,65 e não impactadas no ISI)

Bezerra CC, Lima RF, Lazera MS, Wanke B, Borba CM 2006. Viability and molecular authentication of *Coccidioides immitis* strains from Culture Collection of the Instituto Oswaldo Cruz, Rio de Janeiro, Brazil. Rev Soc Bras Med Trop 39: 241-244.

Indexado (fator de impacto > 0,65 a 2,0)

Moraes AML, Holanda VL, Zahner V 2006. Genotypic and phenotypic diversity in tropical strains of *Aspergillus* spp. (section Circumdati) isolated from insects.. Curr Microbiol 52: 261-266.

Silva, M, Moraes AML, Nishikawa MM, Gatti MJ, Alencar MAV 2006. Inactivation of fungi from deteriorated paper materials by radiation. Int Biodeter Biodegr 57: 161-167.

Fernandes EKK, Costa GL, Moraes AML, Zahner V, Bittencourt VREP 2006. Study on morphology, pathogenicity, and genetic variability of *Beauveria bassiana* isolates obtained from *Boophilus microplus* tick.. Parasitol Res 98: 324-332.

2007

Indexado (fator de impacto >2,0 a 4,0)

Santos AL, Palmeira VF, Rozental S, Kneipp LF, Nimrichter L, Alviano DS, Rodrigues ML, Alviano CS 2007. Biology and pathogenesis of *Fonsecaea pedrosoi*, the major etiologic agent of chromoblastomycosis. FEMS Microbiol Lett 31: 570-591.

Brito MMS, Silva FC, Morgado FN, Raibolt OS, Schubach A, Schubach T, Schaffer GM, Borba CM 2007. Comparison of virulence of different *Sporothrix schenckii* clinical isolates using experimental murine model.. Med Mycol 45: 721-729.

Lima OC, Larcher G, Vandeputte P, Lebouil A, Chabasse D, Simoneau P, Bouchara J 2007. Molecular cloning and biochemical characterization of a Cu,Zn-superoxide dismutase from *Scedosporium apiospermum*. . Microbes Infect 9: 558-565.

2008

Indexado (> 0,65 a 2,0)

 Amaral LS, Amaral LS, Rodrigues Filho E, Rodrigues Filho E, Sarquis MIM 2008. A saponin tolerant and glycoside producer xylariaceous fungus isolated from fruits of *Sapindus saponaria*. World J Microb Biot 24: 1341-1348.

 Pomarico L, Czauski G, Portela MB, de Souza IP, Kneipp L, de Araujo Soares RM, de Araújo Castro GF 2008. Cariogenic and erosive potential of the medication used by HIV-infected children: pH and sugar concentration. Community Dent Hlth 25: 170-172.

doi: Borba CM, Correia J, Correia J, Vinhas E, Alves BCA, Alves BCA, Unkles S, Kinghorn JR 2008. Genetic characterization of morphologically variant strains of *Paracoccidioides brasiliensis*. Mem I Oswaldo Cruz (impresso) 103: 306-309.

doi: Santos ALS, Soares RMA, Soares RMA, Kneipp LF 2008. Heterogeneous production of metallo-type peptidases in parasites belonging to the family Trypanosomatidae. Eur J Protistol 44: 103-113.

Indexado (<0,65 e não impactadas no ISI)

doi: Palmeira VF, Kneipp LF, Rozental S, Alviano CS, Santos ALS 2008. Beneficial effects of HIV peptidase inhibitors on *Fonsecaea pedrosoi*: Promising compounds to arrest key fungal biological processes and virulence. Plos One 3: - .

Fonseca QR, Sarquis MIM, Hamada N, Alencar YB 2008. Occurrence of filamentous fungi in *Simulium goeldii* Cerqueira & Nunes de Mello (Diptera: Simuliidae) larvae in Central Amazonia, Brazil. Braz J Microbiol 39: 282-285.

Indexado (>2,0 a 4,0)

doi: Salomão K, Pereira PRS, Campos LC, Borba CM, Cabello PH, Marcucci MC, L-de-Castro S 2008. Brazilian propolis: correlation between chemical composition and antimicrobial activity. Evid-Based Compl Alt 5: 317-324.

doi: Fernandes EKK, Rangel DEN, Moraes AML, Bittencourt VRP, Roberts DW 2008. Cold activity of Beauveria and Metarhizium, and thermotolerance of Beauveria. J Invertebr Pathol 98: 69-78.

2009

Indexado (fator de impacto < 0,65 ou sem FI)

doi: Souza EJ, Costa GL, Bittencourt VR, Fagundes AS 2009. Ação do fungo *Beauveria bassiana* associado a gel polimerizado de celulose no controle do carapato Anocentor nitens em teste de campo. Arq Bras Med Vet Zool 61: 163-169.

Indexado (fator de impacto > 0,65 e < 2)

doi: Neves AP, Barbosa CC, Greco SJ, Vargas MD, Visentin LC, Pinheiro CB, Mangrich AS, Barbosa JP, da Costa GL 2009. Novel aminonaphthoquinone manich bases derived from lawsone and their copper (II) complexes: synthesis, characterization and antibacterial activity.. J Brazil Chem Soc 20: 712-727.

doi: Zellner BD, Amorim AC, Miranda AL, Alves RJ, Barbosa JP, Costa GL, Rezende CM 2009. Screening of the odour-activity and bioactivity of the essential oils of leaves and flowers of *Hyptis passerina* Mart. from the Brazilian Cerrado. J Brazil Chem Soc 20: 322-332.

Indexado (fator de impacto > 2 e < 4)

doi: Fernandes EK, Moraes AM, Pacheco RS, Rangel DE, Miller MP, Bittencourt VR, Roberts DW 2009. Genetic diversity among Brazilian isolates of Beauveria bassiana: comparisons with non-Brazilian isolates and other Beauveria species. *J Appl Microbiol* 107: 760-774.

2010

Indexado (fator de impacto < 0,65 ou sem FI)

doi: Pereira ME, Jurberg C, Soeiro MN, Borba CM 2010. A estruturação do programa de capacitação profissional de biossegurança no contexto do projeto de modernização da gestão científica do Instituto Oswaldo Cruz. *Saude Soc-Sao Paulo* 19: 440-448.

doi: Pereira ME, Costa MA, Borba CM, Jurberg C 2010. Construção do conhecimento em biossegurança: Uma revisão da produção acadêmica nacional na área de saúde (1989-2009). *Saude Soc-Sao Paulo* 19: 395-404.

Indexado (fator de impacto > 0,65 e < 2)

doi: Ferreira NR, Sarquis MI, Alves CN, Santos AS 2010. Biotransformation of sucrose into 5-hidroxy-2-hydroxymethyl-gamma-pirone by *Aspergillus flavus*. *An Acad Bras Cienc* 82: 569-576.

doi: Almeida MR, Leitão GG, Silva BV, Barbosa JP, Pinto AC 2010. Counter-current chromatography separation of isatin derivatives using the Sandmeyer methodology. *J Brazil Chem Soc* 21: 764-769.

doi: Portela MB, Kneipp LF, Ribeiro de Souza IP, Holandino C, Alviano CS, Meyer-Fernandes JR, de Araújo Soares RM 2010. Ectophosphatase activity in *Candida albicans* influences fungal adhesion: study between HIV-positive and HIV-negative isolates. *Oral Dis* 16: 431-437.

doi: Peixoto E, Oliveira JC, Antas PR, Borba CM 2010. In-vitro study of the host-parasite interactions between mouse macrophages and the opportunistic fungus *Paecilomyces lilacinus*. *Ann Trop Med Parasit* 104: 529-534.

doi: Palmeira VF, Kneipp LF, Alviano CS, dos Santos AL 2010. Phospholipase and esterase production by clinical strains of *Fonsecaea pedrosoi* and their interactions with epithelial cells. *Mycopathologia* 170: 31-37.

doi: Francisco AI, Vargas MD, Fragoso TP, Carneiro WM, Casellato A, da Silva FC, Ferreira VF, Barbosa JP, Pessoa C, Costa-Lotufo LV, Marinho Filho JD, de Moraes MO, Mangrich AS 2010. Theoretical studies of the tautomerism in 3-(2-R-phenylhydrazone)-naphthalene-1,2,4-triones: Synthesis of Copper(II) complexes and studies of antibacterial and antitumor activities. *J Brazil Chem Soc* 21: 1293-1302.

Indexado (fator de impacto > 2 e < 4)

doi: Gomes C, Fidel S, Fidel R, Sarquis MI 2010. Isolation and taxonomy of filamentous fungi in endodontic infections. *J Endodont* 36: 626-629.

2011

Indexado (fator de impacto < 0,65 ou sem FI)

Mobin M, Borba CM, Filho CA, Tapety FI, Noleto IM, Teles JB 2011. Analysis of fungal contamination and disinfection of toothbrushes. *Acta Odontol Latinoam* 24: 86-91.

Santos KO, Mobin M, Borba CM, Noleto IM 2011. Isolamento de fungos de equipamentos radiográficos odontológicos. *Rev Gaucha Odontol* 59: 411-416.

doi: Mobin M, de Moraes Borba C, de Moura Filho OF, de Melo Neto AQ, Valenti VE, Vanderlei LC, de Abreu LC 2011. The presence of fungi on contact electrical stimulation electrodes and ultrasound transducers in physiotherapy clinics. *Physiotherapy* 97: 273-277.

Indexado (fator de impacto > 2 e 4)

doi: Fernandes EK, Angelo IC, Rangel DE, Bahiense TC, Moraes AM, Roberts DW, Bittencourt VR 2011. An intensive search for promising fungal biological control agents of ticks, particularly *Rhipicephalus microplus*. *Vet Parasitol* 182: 307-318.

Indexado (fator de impacto 0,65 e 2)

doi: dos Reis CM, Pereira DS, Paiva RO, Kneipp LF, Echevarria A 2011. Microwave-assisted synthesis of new N1,N4-substituted thiosemicarbazones. *Molecules* 16: 10668-10684.

2012

Indexado (fator de impacto < 1 ou sem FI)

doi: Pereira ME, Silva PC, da Costa MA, Jurberg C, Borba CM 2012. A importância da abordagem contextual no ensino de biossegurança. *Cienc Saude Coletiva* 17: 1643-1648.

da Silva LP, Alves AR, Borba CM, Mobin M 2012. Contaminação fúngica em condimentos de feiras livres e supermercados. *Revista do Instituto Adolfo Lutz* 71: 202-206.

Indexado (fator de impacto >=1 e < 2,71)

doi: Kneipp LF, Magalhães AS, Abi-Chacra EA, Souza LO, Alviano CS, Santos ALS, Meyer-Fernandes JR 2012. Surface phosphatase in *Rhinocladiella aquaspersa*: biochemical properties and its involvement with adhesion. *Med Mycol* 50: 570-578.

doi: Quinelato S, Golo PS, Perinotto WM, Sá FA, Camargo MG, Angelo IC, Moraes AM, Bittencourt VR 2012. Virulence potential of *Metarrhizium anisopliae* s.l. isolates on *Rhipicephalus (Boophilus) microplus* larvae. *Vet Parasitol* 190: 556-565.

Indexado (fator de impacto >=4,35 e < 7,51)

Santos AL, Sodré CL, Valle RS, Silva BA, Abi-Chacra EA, Silva LV, Souza-Gonçalves AL, Sangenito LS, Gonçalves DS, Souza LO, Palmeira VF, d'Avila-Levy CM, Kneipp LF, Kellett A, McCann M, Branquinha MH 2012. Antimicrobial action of chelating agents: repercussions on the microorganism development, virulence and pathogenesis. *Curr Top Med Chem* 19: 2715-2737.

doi: da Silva BA, Sodré CL, Souza-Gonçalves AL, Aor AC, Kneipp LF, Fonseca BB, Rozental S, Romanos MT, Sola-Penna M, Perales J, Kalume DE, dos Santos AL 2012. Proteomic analysis of the secretions of *Pseudallescheria boydii*, a human fungal pathogen with unknown genome. *J Proteome Res* 11: 172-188.

2013

Indexado (fator de impacto >=1 e < 2,71)

doi: Moreira-de-Sequeira DC, Peixoto MLP, De Luca PM, Oliveira-Ferreira J, Antas, PRZ, Borba CM 2013. Detection of antibody to *Purpureocillium lilacinum* by immunofluorescent assay and flow cytometry in serum of infected C57BL/6 mice. *J Immunol Methods* 396(1-2): 147-151.

Qualis B2

doi: Guimaraes AC, Siani AC, Bezerra JL, Souza AQL, Sarquis MIM 2013. Endophytic Mycobiota Characterization of the Amazonian Mistletoe *Cladocolea micrantha* Hosted in Cashew Tree. *American Journal of Plant Sciences* 4: 917-921.

2014

Indexado (fator de impacto < 1 ou sem FI)

doi: Paiva RO, Kneipp LF, Goulart CM, Albuquerque MA, Echevarria A 2014. Antifungal activities of thiosemicarbazones and semicarbazones against mycotoxicogenic fungi. *Ciênc Agrotec* 38: 531-537.

doi: Peixoto MLP, Santos DO, Souza ICC, Neri ECL, Moreira-de-Sequeira DC, De Luca PM, Borba CM 2014. Interaction of an opportunistic fungus *Purpureocillium lilacinum* with human macrophages and dendritic cells. *Rev Soc Bras Med Trop* 47: 1-5.

2015

Indexado (fator de impacto < 1 ou sem FI)

doi: Gomes CC, Pinto LC, Loretto F, Silva EAB, Aguiar AR, Sarquis MIM, Camões ICG 2015. Aspergillus em infecções endodônticas próximas ao seiomaxilar. *Braz J Otorhinolaryngol* 81: 527-532.

doi: Balduino CJ, Perinotto WMS, Silva WOB, Santi L, Berger M, Marciano AF, Sá FA, Nogueira MRS, Quinelato SB, Bittencourt VREP 2015. Virulence, proteolytic and lipolytic activities of Brazilian *Beauveria bassiana* s.l. isolates (Hypocreales: Clavicipitaceae) to *Rhipicephalus microplus* ticks (Acarina: Ixodidae). *Biocontrol Sci Technol* 26: 239-249.

Indexado (fator de impacto >=1 e < 2,71)

doi: Granato MQ, Massapust PA, Rozental S, Alviano CS, Santos ALS, Kneipp LF 2015. 1,10-phenanthroline inhibits the metallopeptidase secreted by *Phialophora verrucosa* and modulates its growth, morphology and differentiation. *Mycopathologia* 179: 231-242.

doi: Silva CG, Santos-Junior HM, Barbosa JP, Costa GL, Rodrigues FAR, Oliveira DF, Costa-Lotufo LV, Alves RV, Eleutherio ECA, Rezende CM 2015. Structure elucidation, antimicrobial and cytotoxic activities of a halimane isolated from *Vellozia kolbekii* Alves (Velloziaceae). *Chem Biodivers* 12: 1891-1901.

Indexado (fator de impacto >=2,71 e < 4,35)

doi: Sacramento CQ, Marttorelli A, Fintelman-Rodrigues N, Freitas CS, Melo GR, Rocha MEN, Kaiser CR, Rodrigues KF, Costa GL, Alves CM, Santos-Filho O, Barbosa JP, Souza TML 2015. Aureonitol, a fungi-derived tetrahydrofuran, inhibits Influenza replication by targeting its surface glycoprotein hemagglutinin. *Plos One* 10: - .

Branquinha, M.H, Oliveira. S.S.C, Sangenito, L.S, Sodré, C.L, d Avila-Levy CM, Kneipp LF, Santos, A.L.S 2015. Cruzipain: An Update on its Potential as Chemotherapy Target against the Human Pathogen *Trypanosoma cruzi*. *Curr Med Chem* 22(18): 2225-2235.

doi: Paiva RO, Kneipp LF, Reis CM, Echevarria A 2015. Mesoionic compounds with antifungal activity against *Fusarium verticillioides*. *BMC Microbiol* 15: - .

2016

Indexado (fator de impacto >=1 e < 2,71)

Cruz JS, Costa GL, Villar JDF 2016. Biological activities of crude extracts from *Penicillium waksmanii* isolated from mosquitoes vectors of tropical diseases.. *J Pharm Pharm Sci* 5: 90-102.

doi: Golo PT, Santos ASO, Monteiro CMO, Perinotto WMS, Quinelato SB, Camargo MG, Sa FA, Angelo IC, Martins MF, Prata MCA, Bittencourt VREP 2016. Lab-on-a-chip and SDS-PAGE analysis of hemolymph protein profile from *Rhipicephalus microplus* (Acari: Ixodidae) infected with entomopathogenic nematode and fungus. *Parasitol Res* 115(9): 3459-3468.

Indexado (fator de impacto >=2,71 e < 4,35)

doi: Silva CC, Presgrave OAF, Hartung T, Moraes AML, Delgado IF 2016. Applicability of the Monocyte Activation Test (MAT) for hyperimmune sera in the routine of the quality control laboratory: Comparison with the Rabbit Pyrogen Test (RPT). *Toxicol vitro* 32: 70-75.

Qualis A2

Santos MJ, Pereira MEC, Junqueira ACV, Borba CM, Jurberg C 2016. Reflexões sobre o Ensino online de biossegurança à luz da teoria da aprendizagem significativa. *Ciências & Cognição* 21: 100-111 .

Qualis B2

doi: Cruz JS, Costa GL, Figueroa-Villar JD 2016. História, Aplicações, Atividade e Modificações da Citrinina. Revista Virtual de Química 8: 650-664.

2017

Indexado (fator de impacto >=1 e < 2,71)

doi: Gomes CC, Guimaraes L, Pinto LC, Galvardo GACC, Valente MIB, Sarquis MIM 2017. Investigation of the prevalence and virulence of *Candida albicans* in periodontal and endodontics lesion in diabetic and normoglycemic patients. J Appl Oral Sc 25(3): 274-281.

Indexado (fator de impacto >=2,71 e < 4,35)

doi: Granato MQ, Gonçalves DS, Seabra SH, McCann M, Devereux MS, Santos ALS, Kneipp LF 2017. 1,10-Phenanthroline-5,6-dione-based compounds are effective in disturbing crucial physiological events of *Phialophora verrucosa*. Front Microbiol 8: - .

doi: Moreira-de-Sequeira DC, Menezes RC, Oliveira MME, Antas PZ, De Luca PM, Ferreira JO, Borba CM 2017. Experimental hyalohyphomycosis by *Purpureocillium lilacinum*: outcome of the infection in C57BL/6 murine models. Front Microbiol 8: - .

doi: Palmeira, V.F., Alviano, D.S, Braga-Silva, L.A., Goulart, F.R.V., Granato MQ, Rozental, S, Alviano, C.S., Santos, A.L.S., Kneipp LF 2017. HIV aspartic peptidase inhibitors modulate surface molecules and enzyme activities involved with physiopathological events in *Fonsecaea pedrosoi*. Front Microbiol 8: - .

Santos ALS, Kneipp LF, d Avila-Levy CM, Lacerda CS, Branquinha MH 2017. Old drugs X new perspectives/new compounds X old necessities: focusing on combating microbial resistance. Part I. Curr Top Med Chem 17: 1117-1118.

Santos ALS, Kneipp LF, d Avila-Levy CM, Sodré CL, Branquinha MH 2017. Old drugs X new perspectives/new compounds X old necessities: focusing on combating microbial resistance. Part II. Curr Top Med Chem 17: 1235-1236.

doi: Santos ALS, d Avila-Levy CM, Kneipp LF, Sodré CL, Sangenito LS, Branquinha MH 2017. The widespread anti-protozoal action of HIV aspartic peptidase inhibitors: focus on *Plasmodium* spp., *Leishmania* spp. and *Trypanosoma cruzi*. Curr Top Med Chem 17: 1303-1317.

2018

Indexado (fator de impacto < 1 ou sem FI)

doi: Moreira-de-Sequeira DC, Oliveira MME, Borba CM 2018. Human Pathogenic Paecilomyces from Food. Microorganisms 6: 64-72.

doi: Arpini CM, Nobrega YC, Casteloge VD, Neves DS, Tadokoro CE, Costa GL, Oliveira MME, Santos MRD 2018. *Purpureocillium lilacinum* infection in captive loggerhead sea turtle

hatchlings. Med Mycol Case Rep 23: 8-11.

Indexado (fator de impacto >=2,71 e < 4,35)

doi: Palmeira VF, Goulart FRV, Granato MQ, Alviano DS, Alviano CS, Kneipp LF, Santos ALS 2018. Fonsecaea pedrosoi Sclerotic Cells: Secretion of Aspartic-Type Peptidase and Susceptibility to Peptidase Inhibitors. Front Microbiol 9: - .

doi: Gomes GA, Costa GL, Figueiredo ABS 2018. Synthesis of ferrite nanoparticles Cu_{1-x}Ag_xFe₂O₄ and evaluation of potential antibacterial activity. J Mater Res Techno 7: 381-386.