

Dr. Mohamed Ismail Abdelwahab Hassan

Alumni

Publications

Hassan MIA, Keller M, Hillger M, Binder U, Reuter S, Herold K, Telagathoti A, Dahse HM, Wicht S, Trinks N, Nietzsche S, Deckert-Gaudig T, Deckert V, Mrowka R, Terpitz U, Saluz HP, Voigt K (2021) The impact of episporic modification of *Lichtheimia corymbifera* on virulence and interaction with phagocytes. *Comput Struct Biotechnol J* 19, 880-896.

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Stanford FA, Matthies N, Cseresnyés Z, Figge MT, Hassan MIA, Voigt K (2021) Expression patterns in reductive iron assimilation and functional consequences during phagocytosis of *Lichtheimia corymbifera*, an emerging cause of mucormycosis. *J Fungi (Basel)* 7(4), 272.

[Details](#)



Cseresnyes Z^{*}, Hassan MIA^{*}, Dahse HM, Voigt K, Figge MT; ^{*} shared first authors (2020) Quantitative impact of cell membrane fluorescence labeling on phagocytosis measurements in confrontation assays. *Front Microbiol* 11, 1193.

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Hassan MIA, Kruse JM, Krüger T, Dahse HM, Cseresnyés Z, Blango MG, Slevogt H, Hörhold F, Ast V, König R, Figge MT, Kniemeyer O, Brakhage AA, Voigt K (2020) Functional surface proteomic profiling reveals the host heat-shock protein A8 as a mediator of *Lichtheimia corymbifera* recognition by murine alveolar macrophages. *Environ Microbiol* 22(9), 3722-3740.

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Hassan MIA, Voigt K (2019) Pathogenicity patterns of mucormycosis: Epidemiology, interaction with immune cells and virulence factors. *Med Mycol* 57(Supplement_2), S245-S256. (Review)

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Hassan MIA^{*}, Cseresnyes Z^{*}, Al-Zaben N, Dahse HM, Vilela de Oliveira RJ, Walther G, Voigt K^{**}, Figge MT^{**}; ^{*} shared first authors; ^{**} authors contributed equally (2019) The geographical region of origin determines the phagocytic vulnerability of *Lichtheimia* strains. *Environ Microbiol* 21(12), 4563-4581.

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Selim KA, El-Ghwas DE, Easa SM, Hassan MIA (2018) Bioethanol a microbial biofuel metabolite; new insights of yeasts metabolic engineering. *Fermentation* 4(1), 16. (Review)

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Selim KA, El Ghwas DE, Selim RM, Hassan MIA (2017) Microbial Volatile in Defense In: Choudhary D., Sharma A., Agarwal P., Varma A., Tuteja N. (eds.) Volatiles and Food Security

Edition: 1. pp. 135-170. Springer Nature Singapore Pte Ltd., Singapore. ISBN: 978-981-10-5552.
(Review)

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[Publication list as PDF](#)