

BII – Aging Biology Intervention Research Publication List

1.	Alfatah M*, Wong JH*, Krishnan VG, Lee YC, Sin QF, Goh CJH, Kong KW, Lee WT, Lewis J, Hoon S, Arumugam P. (2021). TORC1 regulates the transcriptional response to glucose and developmental cycle via the Tap42-Sit4-Rrd1/2 pathway in Saccharomyces cerevisiae. BMC Biol. (2021) doi:10.1186/s12915-021-01030-3. *Joint first authors.
2.	Alfatah M*, Wong JH, Kong KW, Utama F, Hoon S, Arumugam P*. (2019). Chemical-genetic interaction landscape of mono-(2-ethylhexyl)-phthalate using chemogenomic profiling in yeast. Chemosphere, 228, 219-231. *Corresponding authors
3.	Alfatah M, Wong JH, Nge CE, Kong KW, Low KN, Leong CY, Crasta S, Munusamy M, Chang AML, Hoon S, Ng SB, Kanagasundaram Y, Arumugam P. (2019). Hypoculoside, a sphingoid base-like compound from Acremonium disrupts the membrane integrity of yeast cells. Scientific reports, 9(1), p.710.
4.	Wong JH, Alfatah M, Kong KW, Hoon S, Yeo WL, Ching KC, Jie Hui Goh C, Zhang MM, Lim YH, Wong FT, Arumugam P. (2019). Chemogenomic profiling in yeast reveals antifungal mode-of-action of polyene macrolactam auroramycin. PloS one, 14(6), p.e0218189.
5.	Sinha S, Nge CE, Leong CY, Ng V, Crasta S, Alfatah M, Goh F, Low KN, Zhang H, Arumugam P, Lezhava A, Chen SL, Kanagasundaram Y, Ng SB, Eisenhaber F, Eisenhaber B. (2019). Genomics-driven discovery of a biosynthetic gene cluster required for the synthesis of BII-Rafflesfungin from the fungus Phoma sp. F3723. BMC genomics, 20(1), p.374.
6.	Haque F, Verma NK, Alfatah M, Bijlani S, Bhattacharyya MS. (2019). "Sphorolipid exhibits antifungal activity by ROS mediated endoplasmic reticulum stress and mitochondrial dysfunction pathways in Candida albicans." RSC Advances 9(71): 41639-41648.
7.	Wong JH, Alfatah M, Sin MF, Sim HM, Verma CS, Lane DP, Arumugam P. (2017). A yeast two-hybrid system for the screening and characterization of small-molecule inhibitors of protein–protein interactions identifies a novel putative Mdm2-binding site in p53. BMC biology, 15(1), p.108.
8.	Ng SMS, Yap JM, Lau QY, Ng FM, Ong EHQ, Barkham T, Teo JWP, Alfatah M, Kong KW, Hoon S, Arumugam P, Hill J, Brian Chia CS. (2018). Structure-activity relationship studies of ultra-short peptides with potent activities against fluconazole-resistant Candida albicans. European journal of medicinal chemistry, 150, pp.479-490.
9.	Alfatah M, Bari VK, Nahar AS, Bijlani S, Ganesan K. (2017). Critical role for CaFEN1 and CaFEN12 of Candida albicans in cell wall integrity and biofilm formation. Scientific reports, 7, p.40281.
10.	Haque F*, Alfatah M*, Ganesan K, Bhattacharyya MS. (2016). Inhibitory effect of sphorolipid on Candida albicans biofilm formation and hyphal growth. Scientific reports, 6, p.23575. *Joint first authors.
11.	Bari VK, Sharma S, Alfatah M, Mondal AK, Ganesan K. (2015). Plasma membrane proteolipid 3 protein modulates amphotericin B resistance through sphingolipid biosynthetic pathway. Scientific reports, 5, p.9685.
12.	Verma HK, Shukla P, Alfatah M, Khare AK, Upadhyay U, Ganesan K, Singh J. (2014). High level constitutive expression of luciferase reporter by lsd90 promoter in fission yeast. PloS one, 9(7), p.e101201.
13.	Sharma S*, Alfatah M*, Bari VK, Rawal Y, Paul S, Ganesan K. (2014). Sphingolipid biosynthetic pathway genes FEN1 and SUR4 modulate amphotericin B resistance. Antimicrobial agents and chemotherapy, 58(4), pp.2409-2414. *Joint first authors.