

ID RG selected Publications

1. **Sameh SM Soliman**, Clara Baldin, Yiyu Gu, Shakti Singh, Teclegiorgis Gebremariam, Marc Swidergall, Abdullah Alqarihi, Eman G Youssef, Sondus Alkhazraji, Antonis Pikoulas, Christina Perske, Vivek Venkataramani, Abigail Rich, Vincent M Bruno, Julie Dunning Hotopp, Nicolas J Mantis, John E Edwards, Scott G Filler, Georgios Chamilos, Ellen S Vitetta, Ashraf S Ibrahim. Mucoricin is a ricin-like toxin that is critical for the pathogenesis of mucormycosis, *Nature microbiology*, 6, 313-326, 2021.
2. Rania Hamdy, Bahgat Fayed, Ahmed Mostafa, Noura M. Abo Shama, Sara Hussein Mahmoud, Chetan Hasmukh Mehta, Yogendra Nayak and **Sameh S. M. Soliman**. Iterated Virtual Screening-Assisted Antiviral and Enzyme Inhibition Assays Reveal the Discovery of Novel Promising Anti-SARS-CoV-2 with Dual Activity. *Int. J. Mol. Sci.* 2021, 22(16), 9057.
3. Hamdy R, Mostafa A, Abo Shama NM, **Soliman SSM**, Fayed B. Comparative evaluation of flavonoids reveals the superiority and promising inhibition activity of silibinin against SARS-CoV-2. *Phytother Res.* 2022 Jul;36(7):2921-2939.
4. Rania Hamdy, **Sameh SM Soliman**, Abrar I Alsaadi, Bahgat Fayed, Alshaima Hamoda, Samia A Elseginy, Mohamed I Husseiny, Ashraf S Ibrahim. Design and synthesis of new drugs inhibitors of *Candida albicans* hyphae and biofilm formation by upregulating the expression of TUP1 transcription repressor gene- *European Journal of Pharmaceutical Sciences*, 148, 105327,2020.
5. **Sameh SM Soliman**, Balsam Qubais Saeed, Samia A Elseginy, Farah Al-Marzooq, Islam M Ahmady, Ali A El-Keblawy, Rania Hamdy. Critical discovery and synthesis of novel antibacterial and resistance-modifying agents inspired by plant phytochemical defense mechanisms, *Chemico-Biological Interactions*, 333, 2021.
6. Aida V. Eslahi, Meysam Olfatifar, Robiul Karimc, **Raed AbuOdeh**, EhsanModirian, Elham Houshmand, AmirAbdoli, Rasoul Samimi, Simin Sotoodeh, Razzagh Mahmoudi, Elham Hajjalilo, Sima Hashemipour, Milad Badri. Global incidence of helminthic contamination of vegetables, cucurbits and fruits: A systematic review and meta-analysis. 2022. *Food Control*, Volume 133, Part A (108582).
7. ElBakri, A., Salahat, D.F., Hussein, N.H., Ibrahim, Z.A. and **AbuOdeh, R.O**. First report of *Giardia lamblia* in different animals in the United Arab Emirates. *Tropical Biomedicine* 38(1):180-182, 2021.
8. **Raed AbuOdeh**, Sinda Ezzedine, Mohamed Madkour, Rune Stensvold, Amidou Samie, Gheyath Nasrallah, AlAbsi Enas and Ali Elbakri. Molecular subtyping of *Blastocystis* from diverse animals in the United Arab Emirates. *Protist* 170 (5): 125679, 2019.
9. **Hamad M**, Al-Marzooq F, Srinivasulu V, Omar HA, Sulaiman A, Zaher DM, Orive G, Al-Tel TH. Antibacterial Activity of Small Molecules Which Eradicate Methicillin-Resistant *Staphylococcus aureus* Persists. *Front Microbiol.* 1;13:823394.

10. Aghila Rani KG, **Hamad MA**, Zaher DM, Sieburth SM, Madani N, Al-Tel TH. Drug development post COVID-19 pandemic: toward a better system to meet current and future global health challenges. *Expert Opin Drug Discov.* 2021 Apr;16(4):365-371.
11. Anjela Manandhar, Vunnam Srinivasulu, **Mohamad Hamad**, Hamadeh Tarazi, Hany Omar, Dennis J. Colussi, John Gordon, Wayne Childers, Michael L. Klein, Taleb H. Al-Tel, Magid Abou-Gharbia, and Khaled M. Elokely. Discovery of Novel Small-Molecule Inhibitors of SARS-CoV-2 Main Protease as Potential Leads for COVID-19 Treatment. *J. Chem. Inf. Model* <https://doi.org/10.1021/acs.jcim.1c00684>
12. Muhammad JS, Eladl MA, **Khoder G**. Helicobacter pylori-induced DNA Methylation as an Epigenetic Modulator of Gastric Cancer: Recent Outcomes and Future Direction. *Pathogens.* 2019 Feb 13;8(1):23. doi: 10.3390/pathogens8010023. PMID: 30781778; PMCID: PMC6471032.
13. **Khoder G**, Al-Yassir F, Al Menhali A, Saseedharan P, Sugathan S, Tomasetto C, Karam SM. Probiotics Upregulate Trefoil Factors and Downregulate Pepsinogen in the Mouse Stomach. *Int J Mol Sci.* 2019 Aug 10;20(16):3901. doi: 10.3390/ijms20163901. PMID: 31405107; PMCID: PMC6719917.
14. Dash NR, **Khoder G**, Nada AM, Al Bataineh MT. Exploring the impact of Helicobacter pylori on gut microbiome composition. *PLoS One.* 2021 Aug 11;16(8):e0256274.
15. **Khoder G.**, Muhammad JSP, Mahmoud I, Soliman S, Burucoa S. *Pathogens.* Prevalence of Helicobacter pylori and its associated factors among healthy asymptomatic residents in the United Arab Emirates. 2019.
16. **Khoder G.***, Mina S. Muhammad JSP, Mahmoud I, Burucoa S. *Biology.* Helicobacter pylori Infection in Tripoli, North Lebanon: Assessment and Risk Factors. 2021.
17. **Khoder G.***, Mina S. Muhammad JSP, Mahmoud I, Burucoa S. *Biology.* Helicobacter pylori Infection in Tripoli, North Lebanon: Assessment and Risk Factors. 2021.
18. Almehdi AM, **Khoder G**, Alchakee AS, Alsayyid AT, Sarg NH, Soliman SSM. SARS-CoV-2 spike protein: pathogenesis, vaccines, and potential therapies. *Infection.* 2021.
19. Al Yassir F, **Khoder G.***, Al Menhali A, Sugathan S, Karam S. *Biology.* Modulation of stem cell progeny by probiotics during regeneration of gastric mucosal erosions. 2021.
20. Baroud, S., Eladl, M., Aboelkheir, A. and **Mahmoud, I.** Knowledge, practices and reasons of hookah smoking in the United Arab Emirates: A cross-sectional study. *Hamdan Medical Journal*, 2021, 14(1), p.17.
21. Alkundi A, **Mahmoud I**, Musa A, Naveed S, Alshawwaf M. Clinical characteristics and outcomes of COVID-19 hospitalized patients with diabetes in the United Kingdom: a retrospective single centre study. 2020. *Diabetes research and clinical practice.*