

UNIVERSITY OF SHARJAH
COLLEGE OF PHARMACY

SAMEH SOLIMAN
FACULTY MEMBER CREDENTIALS



	First Name	Sameh
	Last Name	Soliman
	Job Title	Associate Professor
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	Gender	Male
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	Room	Office: M23-139, Lab: M32-DF27, DF33

EDUCATIONAL BACKGROUND
From Recent to Older

From		To		
MM	YY	MM	YY	
09	2007	02	2011	PhD in Chemical ecology/ Pharmaceutical Science of natural products University of Guelph, Canada
01	2001	04	2004	Master in Pharmaceutical science/ Pharmacognosy and Biotechnology of Natural products University of Zagazig, Egypt
09	1995	06	1999	Bachelor of pharmacy University of Zagazig, Egypt

PROFESSIONAL SUMMARY

From Recent to Older

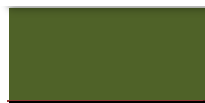
From		To		Notes (e.g. To date, on leave, etc)
MM	YY	MM	YY	
06	2020	-		Associate Professor at the Department of Medicinal Chemistry (Pharmacognosy, Phytotherapy and natural products), College of Pharmacy University of Sharjah, Sharjah, UAE To date
09	2015	06	2020	Assistant Professor at the Department of Medicinal Chemistry (Pharmacognosy, Phytotherapy and natural products), College of Pharmacy University of Sharjah, Sharjah, UAE
10	2014	09	2015	PostDoc at School of medicine (fungal pathogenesis by natural toxins and relevant treatment) University of California, Los Angeles (UCLA),
06	2013	10	2014	PostDoc research and teaching fellow at the Chemical and Biomolecular Engineering of natural products University of California, Los Angeles (UCLA),

PUBLICATIONS (SELECTED)

From Recent to Older

YY	
2024	1H-NMR metabolomics analysis identifies hypoxanthine as a novel metastasis-associated metabolite in breast cancer . Sarra B Shakartalla, Naglaa S Ashmawy, Mohammad H Semreen, Bahgat Fayed, Zainab M Al Shareef, Manju N Jayakumar, Saleh Ibrahim, Mohamed Rahmani, Rania Hamdy, Sameh SM Soliman* . Scientific Reports, 2024, 14 (1), 253
2024	Uniqueness of Candida auris cell wall in morphogenesis, virulence, resistance, and immune evasion. Salam Dakalbab, Rania Hamdy, Patricia Holigová, Eman J. Abuzaid, Ameera Abu-Qiyas, Yasmina Lashine, Mohammad G. Mohammad and Sameh S.M. Soliman . Microbiological Research, 2024, 286: 127797.
2024	Novel compounds with dual inhibition activity against SARS-CoV-2 critical enzymes RdRp and human TMPRSS2. Sameh S. M. Soliman , Alshaimaa M. Hamoda, Yogendra Nayak, Ahmed Mostafa, Rania Hamdy. European Journal of Medicinal Chemistry, 2024, 116671
2023	The essential role of 17-octadecynoic acid in the pathogenesis of periapical abscesses. Alaa M Altaie, Mohammad G Mohammad, Mohamed I Madkour, Sarra B Shakartalla,

	Manju Nidagodu Jayakumar, Aghila KG Rani, Rabih Halwani, Rani Samsudin, Rifat A Hamoudi, Sameh SM Soliman . Journal of Endodontics . 2023, 49 (2), 169-177. e3
2022	Comparative evaluation of flavonoids reveals the superiority and promising inhibition activity of silibinin against SARS-CoV-2. Hamdy, R., Mostafa, A., Abo Shama, N.M., Soliman, S.S.M. , Fayed, B. Phytotherapy Research , 2022, 36 (7), 2921-2939
2021	Soliman SSM , Baldin C, Gu Y, et al. Mucoricin is a Ricin-Like Toxin that is Critical for the Pathogenesis of Mucormycosis. Nature Microbiology 2021, 6 (3), 313-326
2020	Abdullah Alqarihi, Teclegiorgis Gebremariam, Yiyu Gu, Marc Swidergall, Sondus Alkhazraji, Sameh SM Soliman , Vincent M Bruno, John E Edwards, Scott G Filler, Priya Uppuluri, Ashraf S Ibrahim. (2020) GRP78 and Integrins Play Different Roles in Host Cell Invasion During Mucormycosis. Mbio 11 (3)
2019	Teclegiorgis Gebremariam, Sondus Alkhazraji, Sameh S. M. Soliman , Yiyu Gu, Heewon H. Jeon, Lina Zhang, Samuel W. French, David A. Stevens, John E. Edwards Jr., Scott G. Filler, Priya Uppuluri, Ashraf S. Ibrahim. (2019). Anti-CoH3 antibodies protect mice from mucormycosis by prevention of invasion and augmenting opsonophagocytosis. Science Advances . 5: eaaw1327
2018	Angeliki M Andrianaki, Irene Kyrmizi, Kalliopi Thanopoulou, Clara Baldin, Elias Drakos, Sameh SM Soliman , Amol C Shetty, Carrie McCracken, Tonia Akoumianaki, Kostas Stylianou, Petros Ioannou, Charalampos Pontikoglou, Helen A Papadaki, Maria Tzardi, Valerie Belle, Emilien Ettiene, Anne Beauvais, George Samonis, Dimitrios P Kontoyiannis, Evangelos Andreacos, Vincent M Bruno, Ashraf S Ibrahim, Georgios Chamilos. (2018). Iron restriction inside macrophages regulates pulmonary host defense against <i>Rhizopus</i> species. Nature Communication . 9 (1), 3333 Li Li, Man-Cheng Tang, Shoubin Tang, Shu-Shan Gao, Sameh SM Soliman , Leibniz Hang, Wei Xu, Tao Ye, Kenji Watanabe, Yi Tang. (2018). Genome Mining and Assembly-Line Biosynthesis of the UCS1025A Pyrrolizidinone Family of Fungal Alkaloids. Journal of the American Chemical Society . 140 (6): 2067-2071.
2017	Soliman, S. , Mosa, K.A., El-Keblawy, A.A., Husseiny, M.I. (2017). Exogenous and endogenous increase in fungal GGPP increased fungal Taxol production. Applied Microbiology and Biotechnology . 101(20): 7523-7533.
2016	Chibucos, M. C., Soliman S. , Gebremariam, T., Lee, H., Daugherty, S., Orvis, J., ...& Kumari, P. (2016). An integrated genomic and transcriptomic survey of mucormycosis-causing fungi. Nature Communication .7: 12218.
2015	Soliman, S. , Greenwood, J., Bombarely, A., Mueller, L., Tsao, R., Mosser, D., Raizada, M. (2015). An endophyte constructs fungicide-containing extracellular barrier for its host plant. Current Biology . 25 (19):2570-2576.
2014	Gaudin A, McClymont S, Soliman S. , Raizada M. (2014). The effect of altered dosage of a mutant allele of teosinte branched 1 (tb1-ref) on the root system of modern maize. BMC Genetics .15:23.
2013	Soliman, S. , Raizada, M. (2013). Interactions between co-habiting fungi elicit synthesis of Taxol from an endophytic fungus in host <i>Taxus</i> plants. Frontier in Microbiology . 4:1-14.



2012	Michael T., Soliman S. , Raizada M. (2012). Bacterial whole-cell biosensor for glutamine with applications for quantifying and visualizing glutamine in plants. Applied and Environmental Microbiology . 78(2): 604-606.
2011	Soliman S. , Tsao, R., Raizada, M. (2011). Chemical inhibitors suggest endophytic fungal Paclitaxel is derived from both mevalonate and non-mevalonate-like pathways. Journal of Natural Products .74: 2497–2504.



PROFESSIONAL MEMBERSHIPS

YY	Name of Organization / Society
2023	UAE National AMR Surveillance Consortium
2020	American Society of Microbiology
2018	American Society for Biochemistry and Molecular Biology
2010	American Society of Pharmacognosy
1999	The General Syndicate of Pharmacists in Egypt.
1999	The Egyptian Association of Pharmacists