

# Sameh S M Soliman

## List of Publications by Citations

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68

papers

999

citations

18

h-index

29

g-index

79

ext. papers

1,457

ext. citations

5.3

avg, IF

4.79

L-index

#	Paper	IF	Citations
68	Interactions between Co-Habiting fungi Elicit Synthesis of Taxol from an Endophytic Fungus in Host Taxus Plants. <i>Frontiers in Microbiology</i> , <b>2013</b> , 4, 3	5.7	82
67	An integrated genomic and transcriptomic survey of mucormycosis-causing fungi. <i>Nature Communications</i> , <b>2016</b> , 7, 12218	17.4	69
66	An Endophyte Constructs Fungicide-Containing Extracellular Barriers for Its Host Plant. <i>Current Biology</i> , <b>2015</b> , 25, 2570-6	6.3	49
65	Chemical inhibitors suggest endophytic fungal paclitaxel is derived from both mevalonate and non-mevalonate-like pathways. <i>Journal of Natural Products</i> , <b>2011</b> , 74, 2497-504	4.9	49
64	Iron restriction inside macrophages regulates pulmonary host defense against <i>Rhizopus</i> species. <i>Nature Communications</i> , <b>2018</b> , 9, 3333	17.4	48
63	Genome Mining and Assembly-Line Biosynthesis of the UCS1025A Pyrrolizidinone Family of Fungal Alkaloids. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2067-2071	16.4	47
62	A fungal endophyte induces transcription of genes encoding a redundant fungicide pathway in its host plant. <i>BMC Plant Biology</i> , <b>2013</b> , 13, 93	5.3	46
61	PCR-Based Approach Targeting Mucorales-Specific Gene Family for Diagnosis of Mucormycosis. <i>Journal of Clinical Microbiology</i> , <b>2018</b> , 56,	9.7	45
60	Prevalence of and Its Associated Factors among Healthy Asymptomatic Residents in the United Arab Emirates. <i>Pathogens</i> , <b>2019</b> , 8,	4.5	29
59	GRP78 and Integrins Play Different Roles in Host Cell Invasion during Mucormycosis. <i>MBio</i> , <b>2020</b> , 11,	7.8	29
58	Anti-CoH3 antibodies protect mice from mucormycosis by prevention of invasion and augmenting opsonophagocytosis. <i>Science Advances</i> , <b>2019</b> , 5, eaaw1327	14.3	27
57	Natural and engineered production of taxadiene with taxadiene synthase. <i>Biotechnology and Bioengineering</i> , <b>2015</b> , 112, 229-35	4.9	27
56	Plants Natural Products as Alternative Promising Anti- Drugs. <i>Pharmacognosy Reviews</i> , <b>2017</b> , 11, 104-122.4		27
55	The effect of altered dosage of a mutant allele of Teosinte branched 1 (tb1-ref) on the root system of modern maize. <i>BMC Genetics</i> , <b>2014</b> , 15, 23	2.6	24
54	Biosynthesis, Characterization, and Evaluation of the Cytotoxic Effects of Biologically Synthesized Silver Nanoparticles from <i>Cyperus conglomeratus</i> Root Extracts on Breast Cancer Cell Line MCF-7. <i>Biological Trace Element Research</i> , <b>2020</b> , 194, 560-569	4.5	24
53	Assessment of herbal drugs for promising anti-Candida activity. <i>BMC Complementary and Alternative Medicine</i> , <b>2017</b> , 17, 257	4.7	23
52	Flavonoids are promising safe therapy against COVID-19. <i>Phytochemistry Reviews</i> , <b>2021</b> , 1-22	7.7	20

51	Switching Host Metabolism as an Approach to Dampen SARS-CoV-2 Infection. <i>Annals of Nutrition and Metabolism</i> , <b>2020</b> , 76, 297-303	4.5	19
50	Exogenous and endogenous increase in fungal GGPP increased fungal Taxol production. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 7523-7533	5.7	18
49	Darkness: A Crucial Factor in Fungal Taxol Production. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 353	5.7	18
48	Metabolic Profiling of <i>Candida auris</i> , a Newly-Emerging Multi-Drug Resistant <i>Candida</i> Species, by GC-MS. <i>Molecules</i> , <b>2019</b> , 24,	4.8	17
47	Mechanical and phytochemical protection mechanisms of <i>Calligonum comosum</i> in arid deserts. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192576	3.7	16
46	Calli Essential Oils Synergize with Lawsone against Multidrug Resistant Pathogens. <i>Molecules</i> , <b>2017</b> , 22,	4.8	16
45	Drought tolerance during germination depends on light and temperature of incubation in <i>Salsola imbricata</i> , a desert shrub of Arabian deserts. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , <b>2018</b> , 249, 156-163	1.9	16
44	Potential mycotoxin contamination risks of apple products associated with fungal flora of apple core. <i>Food Control</i> , <b>2015</b> , 47, 585-591	6.2	15
43	Mucoridin is a ricin-like toxin that is critical for the pathogenesis of mucormycosis. <i>Nature Microbiology</i> , <b>2021</b> , 6, 313-326	26.6	14
42	Effect of maturation time on dormancy and germination of <i>Citrullus colocynthis</i> (Cucurbitaceae) seeds from the Arabian hyper-arid deserts. <i>BMC Plant Biology</i> , <b>2017</b> , 17, 263	5.3	13
41	Bacterial whole-cell biosensor for glutamine with applications for quantifying and visualizing glutamine in plants. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 604-6	4.8	12
40	Phenolic Composition and Antimicrobial Activity of Different Emirati Date ( <i>L.</i> ) Pits: A Comparative Study. <i>Plants</i> , <b>2019</b> , 8,	4.5	12
39	Lipid-based therapies against SARS-CoV-2 infection. <i>Reviews in Medical Virology</i> , <b>2021</b> , 31, 1-13	11.7	11
38	SARS-CoV-2 spike protein: pathogenesis, vaccines, and potential therapies. <i>Infection</i> , <b>2021</b> , 49, 855-876	5.8	10
37	Novel betulin derivative is responsible for the anticancer folk use of <i>Ziziphus spina-christi</i> from the hot environmental habitat of UAE. <i>Journal of Ethnopharmacology</i> , <b>2019</b> , 231, 403-408	5	9
36	Essential Oil-Based Design and Development of Novel Anti- Azoles Formulation. <i>Molecules</i> , <b>2020</b> , 25,	4.8	8
35	Using DNA Barcoding to Detect Adulteration in Different Herbal Plant- Based Products in the United Arab Emirates: Proof of Concept and Validation. <i>Recent Patents on Food, Nutrition &amp; Agriculture</i> , <b>2018</b> , 9, 55-64	1.9	8
34	Effect of maturation conditions on light and temperature requirements during seed germination of <i>Citrullus colocynthis</i> from the Arabian Desert. <i>Plant Biology</i> , <b>2019</b> , 21, 292-299	3.7	8

33	Optimum Inhibition of Amphotericin-B-Resistant Strain in Single- and Mixed-Species Biofilms by and Non- Terpenoids. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
32	Promising anti-SARS-CoV-2 drugs by effective dual targeting against the viral and host proteases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 43, 128099	2.9	7
31	Effective targeting of breast cancer cells (MCF7) via novel biogenic synthesis of gold nanoparticles using cancer-derived metabolites. <i>PLoS ONE</i> , <b>2020</b> , 15, e0240156	3.7	6
30	Critical discovery and synthesis of novel antibacterial and resistance-modifying agents inspired by plant phytochemical defense mechanisms. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 333, 109318	5	6
29	Roles of Hardened Husks and Membranes Surrounding Grains on Germination and Seedling Growth. <i>Plants</i> , <b>2019</b> , 8,	4.5	5
28	Lipophilic Metabolites and Anatomical Acclimatization of in the Drought and Extra-Water Areas of the Arid Desert of UAE. <i>Plants</i> , <b>2019</b> , 8,	4.5	5
27	Factors controlling seed dormancy and germination response of <i>Brachypodium hybridum</i> growing in the hot arid mountains of the Arabian Desert. <i>Botany</i> , <b>2019</b> , 97, 371-379	1.3	5
26	Marine Sponge is a Promising Natural Source of Anti-SARS-CoV-2 Scaffold. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 666664	5.6	5
25	Design and synthesis of new drugs inhibitors of <i>Candida albicans</i> hyphae and biofilm formation by upregulating the expression of TUP1 transcription repressor gene. <i>European Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 148, 105327	5.1	4
24	Selective inhibition of <i>Rhizopus eumelanin</i> biosynthesis by novel natural product scaffold-based designs caused significant inhibition of fungal pathogenesis. <i>Biochemical Journal</i> , <b>2020</b> , 477, 2489-2507	3.8	4
23	<i>Avicennia marina</i> a natural reservoir of phytopharmaceuticals: Curative power and platform of medicines. <i>Journal of Ethnopharmacology</i> , <b>2020</b> , 263, 113179	5	4
22	Design, synthesis, and computational validation of novel compounds selectively targeting HER2-expressing breast cancer. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127658	2.9	4
21	PCR-based Diagnosis of Mucormycosis Targeting Mucorales-specific Genes. <i>Open Forum Infectious Diseases</i> , <b>2017</b> , 4, S612-S612	1	3
20	Importance of Environmental Factors on Production of Computationally- Defined Natural Molecules against COVID-19 Pandemic. <i>Current Topics in Medicinal Chemistry</i> , <b>2020</b> , 20, 1958-1961	3	3
19	Sites of biosynthesis and storage of Taxol in <i>Taxus media</i> (Rehder) plants: Mechanism of accumulation. <i>Phytochemistry</i> , <b>2020</b> , 175, 112369	4	3
18	Potential targeting of Hep3B liver cancer cells by lupeol isolated from <i>Avicennia marina</i> . <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2100120	4.3	3
17	Comparative sphingolipidomic analysis reveals significant differences between doxorubicin-sensitive and -resistance MCF-7 cells. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258363	3.7	2
16	Iterated Virtual Screening-Assisted Antiviral and Enzyme Inhibition Assays Reveal the Discovery of Novel Promising Anti-SARS-CoV-2 with Dual Activity. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2

15	Comparative Metabolomics Reveals the Microenvironment of Common T-Helper Cells and Differential Immune Cells Linked to Unique Periapical Lesions. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 707267	8.4	2
14	GRP78 and Integrins Play Different Roles in Host Cell Invasion During Mucormycosis		1
13	Role of Exosomes in Breast Cancer Management: Evidence-Based Review. <i>Current Cancer Drug Targets</i> , <b>2021</b> , 21, 666-675	2.8	1
12	The scientific basis of the antibacterial traditional use of <i>Calligonum comosum</i> in UAE. <i>Journal of Herbal Medicine</i> , <b>2021</b> , 27, 100361	2.3	1
11	Novel Secreted Peptides From var. With Immunomodulatory Effects That Enhance Fungal Pathogenesis.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 863133	5.7	1
10	Estimating the viral loads of SARS-CoV-2 in the oral cavity when complicated with periapical lesions. <i>BMC Oral Health</i> , <b>2021</b> , 21, 567	3.7	0
9	De novo transcriptome sequencing, assembly, and gene expression profiling of a salt-stressed halophyte ( <i>Salsola drummondii</i> ) from a saline habitat. <i>Physiologia Plantarum</i> , <b>2021</b> , 173, 1695-1714	4.6	0
8	Variation among individuals of <i>Citrullus colocynthis</i> from a desert population in morphological, genetic, and germination attributes. <i>Tropical Ecology</i> , 1	1.3	0
7	Caspofungin-resistance in <i>Candida auris</i> is cell wall-dependent phenotype and potential prevention by zinc oxide nanoparticles. <i>Medical Mycology</i> , <b>2021</b> , 59, 1243-1256	3.9	0
6	Prevalence of unculturable bacteria in the periapical abscess: A systematic review and meta-analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0255485	3.7	0
5	Dyslipidemia in breast cancer patients increases the risk of SAR-CoV-2 infection. <i>Infection, Genetics and Evolution</i> , <b>2021</b> , 92, 104883	4.5	0
4	Seed provenance, thermoperiod, and photoperiod affect low water potential tolerance during seed germination of the multipurpose exotic tree <i>Prosopis juliflora</i> . <i>Journal of Arid Environments</i> , <b>2021</b> , 195, 104627	2.5	0
3	A potential gene delivery strategy using BK virus. <i>Animal Biotechnology</i> , <b>2019</b> , 30, 180-185	1.4	
2	Identification of phytochemicals capping the exogenously biosynthesized silver nanoparticles by <i>T. apollinea</i> (Delile) DC. living plants and evaluation of their cytotoxic activity. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2022</b> , 42, 102336	4.2	
1	Gas ChromatographyMass Spectrometry (GCMS) Analysis of <i>Candida auris</i> Metabolites. <i>Methods in Molecular Biology</i> , <b>2022</b> , 165-172	1.4	