Prof. Dr. Abdullah A. Al-Ghanayem

Professor of Microbiology

Contact

Phone: +966 554404315

Email: alghanayem@su.edu.sa

Address: College of Applied Medical Science at Shaqra, Shaqra University. Sharqa

Google Scholar: https://scholar.google.com/citations?user=H7aJG30AAAAJ&hl=ar

ORCID ID: 0000-0003-2715-546X

Highlights

- *Works well under pressure*
- *Exceptional interpersonal skills*
- *Highly responsible and reliable*
- *competent in spotting search topics*

Education

PhD • 2014 • King Saud University

Doctor of Philosophy in Microbiology

MSc • 2007 • King Saud University

Master of Science in Environmental Sciences

BSc • 2000 • King Saud University

Bachelor of Science in Microbiology

Experience

- *Professor - College of Applied Medical Science - Shaqra University (2024)*
- *Dean, College of Science and Humanities, Shaqra University (2019 - 2023)*
- *Associate Professor - College of Applied Medical Science - Shaqra University (2019 -2024)*
- *Vice-rector Assistant for Graduate Studies and Scientific Research for Medical Colleges Affairs (2017 – 2018)*
- *Dean, College of Medical Applied Science, Shaqra University (2016 – 2019)*
- *Vice-dean for academic affairs, College of Medical Applied Science, Shaqra University (2015 – 2016)*
- *Assistant Professor - College of Applied Medical Science - Shaqra University (2015 – 2019)*
- *Laboratory technician in research center - Ministry of water & electricity (2008 - 2015)*
- *Laboratory technician in Central lab of food and drug - Ministry of health (2004 - 2008).*
- *Microbiologist in King Abdulaziz medical city (2001 – 2004)*

Personal Skills

- *Computer Skills*
- *Good Reseacher*
- *Accreditation Skills*
- *Teaching aids education*

Publications

- Al-Ghanayem A.A. 2023. Antifungal Activity of Cymbopogon flexuosus Essential Oil and its Effect on Biofilm Formed by Candida parapsilosis and Candida tropicalis on Polystyrene and Polyvinyl Plastic Surfaces. Indian Journal of Pharmaceutical Education and Research. 57(1):113-119.
- Al-Ghanayem, A.A.; Alhussaini, M.S.; Asad, M.; Joseph, B. 2022. Effect of Moringa oleifera Leaf Extract on Excision Wound Infections in Rats: Antioxidant, Antimicrobial, and Gene Expression Analysis. Molecules, 27, 4481.
- Al-Ghanayem, A.A.; Alhussaini, M.S.; Asad, M.; Joseph, B. 2022. Moringa oleifera Leaf Extract Promotes Healing of Infected Wounds in Diabetic Rats: Evidence of Antimicrobial, Antioxidant and Proliferative Properties. Pharmaceuticals, 15, 528.
- Al-Ghanayem A.A. 2022. Phytochemical analysis of Cymbopogon flexuosus (lemongrass) oil, its antifungal activity, and role in inhibiting biofilm formation in Candida albicans MTCC854. Journal of King Saud University – Science 34 : 102072.
- Al-Ghanayem A.A. 2021. Purification and characterization of thermo-alkaline stable lipase from Bacillus coagulans and its compatibility with commercially available detergents. Rom. Biotechnol Lett. 26(5): 2994-3001.
- Alhussaini M.S., Al-Ghanayem A.A., Saadabi A.M. and Joseph, B. 2020. Antimicrobial activity and probiotic efficacy of Spirulina platensis against certain groups of proliferating bacteria and fungi in Saudi Arabia. Biochemical and Cellular Archives. 20(1): 227-231.
- Al-Ghanayem, A.A. and Joseph, B. 2020. Current prospective in using cold-active enzymes as eco-friendly detergent additive. Appl. Microbiol. Biotechnol. 104(7): 2871-2882.
- Al-Homaidan, A.A., Al-Otaibi, T., El-Sheikh, M.A., Al-Ghanayem, A.A. and Ameen F. 2020. Accumulation of heavy metals in a macrophyte Phragmites australis : implications to phytoremediation in the Arabian Peninsula wadis. Environ. Monit. Assess. 192(3): 202.
- Al-Ghanayem, A.A., Joseph, B., Bin Mahdi, M., Scaria, B. and Saadabi, A.M. 2020. Multidrug Resistance Pattern of Bacteria Isolated from Fish Samples Sold in Retail Market. Journal of Clinical and Diagnostic Research, 14(1): DC13-DC16
- Al-Ghanayem, A.A., Joseph, B., Scaria, B. and Alhussaini, M.S. 2019 . Phytochemical analysis and synergetic effects on antifungal properties of garlic and ginger extracts along with honey and lemon against Candida spp. Bioscience Research, 16 (4): 3413-3420.
- Al-Homaidan, A.A., Al-Qahtani, H.S., Al-Ghanayem, A.A., Ameen, F. and Ibraheem, I.B.M. 2018. Potential use of green algae as a biosorbent for hexavalent chromium removal from aqueous solutions. Saudi J. Biol. Sci., 25: 1733-1738.
- Al-Ghanayem A.A. 2018. prevalence of antibiotic resistant bacteria in eggs shells sold in retail market with special emphasis on bacterial contamination. Biochemical and Cellular Archives, 18 (2): 1565-1568.
- Al-Ghanayem, A.A., Al Sobeai, S.M., Alhussaini, M.S., Joseph, B. and Saadabi, A.M. 2018 . Antifungal Activity of Anastatica hierochuntica L. extracts against different groups of fungal pathogens: An in-vitro test. Romanian Biotechnological Letters, 23 (6): 14135-14139.
- Al-Ghanayem, A.A., Al Sobeai, S.M., Alhussaini, M.S., Joseph, B. and Saadabi, A.M. 2017. Antibacterial activity of certain Saudi Arabian medicinal plants used in folk medicine against different groups of bacteria. NUSANTARA BIOSCIENCE, 9 (4): 392-395.
- Al-Ghanayem A.A. 2017. Antimicrobial activity of Spirulina platensis extracts against certain pathogenic bacteria and fungi. Advances in Bioresearch, 8 (6): 96-101.
- Saadabi A.M., Alhussaini M.S., Al-Ghanayem A.A., Joseph, B. and Al Shuriam, M.S. 2017. Isolation and Identification of Pathogenic Bacteria and Fungi from Some Saudi Bank Note Currency. Biosci. Biotech. Res. Asia, 14 (2): 715-720.
- Alhussaini, M.S., Saadabi, A.M., Hashim, K. and Al-Ghanayem, A.A. 2016. Efficacy of the desert truffle Terfezia claveryi to cure trachoma disease with special emphasis on its antibacterial bioactivity. Trends in Medical Research, 11 (1): 28-34.
- Alhussaini, M.S., Moslem, M.A., Alghonaim, M.I., Al-Ghanayem, A.A., Al-Yahya, A.A., Hefny, H.M. and Saadabi, A.M. 2016. Characterization of Cladosporium species by internal transcribed spacer PCR and microsatellites-PCR. Pakistan Journal of Biological Sciences, 19: 143-157.

- Al-Homaidan, A.A., Alabbad, A.F., Al-Hazzani, A.A., Al-Ghanayem, A.A. and Alabdullatif, J.A. 2016. Lead removal by spirulina platensis biomass. International Journal of Phytoremediation, 18 (2): 184-189.
- Al Sobeai, S.M., Al-Ghanayem, A.A., Alhussaini, M.S., Joseph, B. and Saadabi, A.M. 2015. Antibacterial activity of Anastatica hierochuntica L. extracts against different groups of bacterial pathogens: An in-vitro test. Aust. J. Basic Applied Sci., 9 (36): 27-30.
- Al-Homaidan, A.A., Alabdullatif, J.A., Al-Hazzani, A.A., Al-Ghanayem, A.A. and Alabbad, A.F. 2015. Adsorptive removal of cadmium ions by Spirulina platensis dry biomass. Saudi J. Biol. Sci., 22: 795–800.
- Alhussaini, M.S., Moslem, M.A., Alghonaim, M.I., Al-Ghanayem, A.A. and Hefny, H.M. 2015. Biological Studies on Airborne Cladosporium Species Isolated from Riyadh City. Life Sci J., 12 (6): 83-91.
- Alhussaini, M.S., Moslem, M.A., Alghonaim, M. I., Al-Ghanayem, A. A. and Hefny, H.M. 2015. Biodiversity and Distribution of Airborne Cladosporium Species in Riyadh city. Journal of American Science, 11 (7): 145-154.
- Al-Homaidan, A.A. and Al-Ghanayem, A.A. 2014. Biosorption of Cadmium (II) From Aqueous Solutions by Brown Algae. Proceedings of the 4th International Conference on Environmental Pollution and Remediation, 135.
- Alkhalifa, A.H., Al-Homaidan, A.A., Shehata, A.I., Al-Khamis, H.H, Al-Ghanayem, A.A and Ibrahim, A.S.S. 2012. Brown macroalgae as bio-indicators for heavy metals pollution of Al-Jubail coastal area of Saudi Arabia. African Journal of Biotechnology, 11 (92): 15888-15895.
- Al-Homaidan, A.A., Al-Ghanayem, A.A. and Alkhalifa, A.H. 2011. Green algae as bioindicators of heavy metal pollution in Wadi Hanifah Stream, Riyadh, Saudi Arabia. International Journal of Water Resources and Arid Environments, 1 (1): 10-15.