# **Curriculum Vitae**

Name:	Amal Abdullah Ali Sabour
Address:	King Saud University, Botany and Microbiology Department,
Telephone:	(966-11) 8059064
E-mail:	amsaboor@ksu.edu.sa
Nationality:	Saudi
Languages:	Arabic and English.
Job tile:	Professor assistant

#### **Education**

- Bachelor degree of Botany and Microbiology with honor degree -College of Science-King Saud University (2008)
- Masters of Science in Microbiology- College of Science-King Saud University (2011)
- Doctoral of Philosophy- Molecular Biology and Biotechnology College of Science -University of Sheffield- United Kingdom (2018)

# Work experience

- Assistant Professor-Department of Botany and Microbiology-College of Science-King Saud University (March 2019-2022).
- Demonstrator, Department of Botany and Microbiology-College of Science-King Saud University (2009-2019).
- ISO quality management system at the level of department 2018 -2019.
- Member of the Evaluation Committee and Academic Accreditation 2018.

- Member in Committee of the collaboration between the college of science and the college of medicine 2018 -2019.
- Member of the Alumni and Human Resources Committee 2019-2021.
- Member of the Students Affairs Committee 2020.
- Member of the training committee 2020-2021.
- Coordinator of the Scientific Research Committee 2021-2022.
- Member of the Academic Accreditation and Evaluation committee (Microbiology Program -Bachelor) 2023 to date.
- Member of the Scientific Research Committee 2023 to date.
- Member of the Public Relations and Community Partnership committee 2022 to date.
- Member of the Scientific Research Committee 2023 to date.

## **Publications**

Chinnathmbi, A., Alyousef, M.A., Al Mofeez, F.I., Alsenaid, A.I., Alanzi, M.S. and Al-Madani, S.O., 2016. Novel Approaches to Autoimmune Diseases–A Review of New Studies. *Biosciences Biotechnology Research Asia*, *13*(3), pp.1421-1428.

Narayanan, M., Natarajan, D., Priyadharshini, S.G., Kandasamy, S., Shanmugam, S., Sabour, A., Almoallim, H.S. and Pugazhendhi, A., 2021. Biofabrication and characterization of AgNPs synthesized by Justicia adhatoda and efficiency on multi-drug resistant microbes and anticancer activity. *Inorganic Chemistry Communications*, *134*, p.109071. https://doi.org/10.1016/j.inoche.2021.109071

Pugazhendhi, A., Sharma, A., Ahamed, T.S., Ramasamy, K.P., Sabour, A.A.A., Alshiekheid, M.A., Thuy, T.G.L. and Mathimani, T., 2024. Sugar cane bagasse hydrolysate (SBH) as a lucrative carbon supplement to upgrade the lipid and fatty acid production in Chlorococcum sp. for biodiesel through an optimized binary solvent system. *Environmental Research*, *241*, p.117626. https://doi.org/10.1016/j.envres.2023.117626

Sabour, A., 2023. Global risk maps of climate change impacts on the distribution of Acinetobacter baumannii using GIS. *Microorganisms*, *11*(9), p.2174. https://doi.org/10.3390/microorganisms11092174

Rasool, Z., Noreen, H., Anjum, A., Rizvi, A., Rabaan, A.A., Halwani, M.A., **Sabour, A.A.**, Aljeldah, M., Shammari, B.R.A., Alhajri, S.M. and Alshubaith, I.H., 2022. Genotypic and phenotypic characterization of erythromycin-resistant Staphylococcus aureus isolated from bovine

mastitis and humans in close contact. *Tropical Medicine and Infectious Disease*, 8(1), p.26. https://doi.org/10.3390/tropicalmed8010026

Ahmed, N., Tahir, K., Aslam, S., Cheema, S.M., Rabaan, A.A., Turkistani, S.A., Garout, M., Halwani, M.A., Aljeldah, M., Al Shammari, B.R. and Sabour, A.A., 2022. Heavy Metal (Arsenic) Induced Antibiotic Resistance among Extended-Spectrum β-Lactamase (ESBL) Producing Bacteria of Nosocomial Origin. *Pharmaceuticals*, *15*(11), p.1426. https://doi.org/10.3390/ph15111426

Narayanan, M., Chanthini, A., Devarajan, N., Saravanan, M., Sabour, A., Alshiekheid, M., Chi, N.T.L. and Brindhadevi, K., 2023. Antibacterial and antioxidant efficacy of ethyl acetate extract of Cymodocea serrulata and assess the major bioactive components in the extract using GC-MS analysis. *Process Biochemistry*, *124*, pp.24-32. https://doi.org/10.1016/j.procbio.2022.10.036

Sabour, A.A., Khan, A. and Alhuzani, M.R., 2022. Insight into the interaction mechanism of HSA with aztreonam: A multispectroscopic and computational approach. *Molecules*, *27*(22), p.7858. https://doi.org/10.3390/molecules27227858

Yuan, Y., Wu, Y., Suganthy, N., Shanmugam, S., Brindhadevi, K., Sabour, A., Alshiekheid, M., Chi, N.T.L., Pugazhendhi, A. and Shanmuganathan, R., 2022. Biosynthesis of zirconium nanoparticles (ZrO2 NPs) by *Phyllanthus niruri* extract: Characterization and its photocatalytic dye degradation activity. *Food and Chemical Toxicology*, *168*, p.113340. https://doi.org/10.1016/j.fct.2022.113340

Wu, J., Wu, Y., Yuan, Y., Xia, C., Saravanan, M., Shanmugam, S., Sabour, A., Alshiekheid, M., Brindhadevi, K., Chi, N.T.L. and Pugazhendhi, A., 2022. Eco-friendly, green synthesized copper oxide nanoparticle (CuNPs) from an important medicinal plant Turnera subulata Sm. and its biological evaluation. *Food and Chemical Toxicology*, *168*, p.113366. https://doi.org/10.1016/j.fct.2022.113366

Khumchai, J., Wongchai, A., On-Uma, R., Sabour, A., Alshiekheid, M., Narayanan, M., Karuppusamy, I., Pugazhendhi, A., Brindhadevi, K. and Chi, N.T.L., 2022. A viable bioremediation strategy for treating paper and pulp industry effluents and assessing the prospect of resulted bacterial biomass as single cell protein (SCP) using indigenous bacterial species. *Chemosphere*, *304*, p.135246. https://doi.org/10.1016/j.chemosphere.2022.135246

Chompunut, L., Wanaporn, T., Anupong, W., Narayanan, M., Alshiekheid, M., Sabour, A., Karuppusamy, I., Chi, N.T.L. and Shanmuganathan, R., 2022. Synthesis of copper nanoparticles from the aqueous extract of Cynodon dactylon and evaluation of its antimicrobial and photocatalytic properties. *Food and Chemical Toxicology*, *166*, p.113245. https://doi.org/10.1016/j.fct.2022.113245

Narayanan, M., Muthusamy, M., Alshiekheid, M., Sabour, A., Chi, N.T.L. and Pugazhendhi, A., 2022. Influence of Brevibacillus borestelensis strains on phytoremediation potential and

biomolecules contents of Jatropha curcas on diluted chromium sludge soil. *Chemosphere*, *305*, p.135345. https://doi.org/10.1016/j.chemosphere.2022.135345

## **Conferences and Workshops**

- The 9th Saudi Students Conference- 13th-14th February 2016 at the International Convention Centre (ICC) in Birmingham.
- The course of rights and duties of faculty members, King Saud University, 2018
- Blackboard Learn Academic Collaboration Essentials, Saudi Electronic University in cooperation with BME (Blackboard Agents in the Middle East), Riyadh, (30-3 October 2018).
- How to diagnose a pathogen?, November 2018, (speaker).
- Research methodology course and workshop, King Abdullah International Medical Research Centre, Riyadh, Saudi Arabia, From 22 December 2020 To 24 December 2020.
- Performance-Based Evaluation, Deanship of Skills Development, King Saud University 20-12-2021
- Practical methods to increase productivity, Deanship of Skills Development, King Saud University 23-12-2021.
- Vegetation in the face of climate change 21-3-2022
- 2nd Infection Control Updates Conference 4-9-2022
- How to prepare a manuscript for submission to a top journal 27-9-2022
- The International Conference and Exhibition for Science (ICES2023) 6-2-2023.
- Sexually Transmitted Disease 8-2-2023

#### <u>Awards</u>

Second place, The mind-feat competition, Scientific Creativity Award, King Abdulaziz & His Companions Foundation for Giftedness and Creativity, "MAWHIBA"