

ABDULLAH ASSER AHMED ALGHAMDI



Personal and contact Information:

Nationality: Saudi Arabia

Degree: PhD

Current Academic Job: Associate Professor

Languages: Arabic and English

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Address: Office number (711), Biology Department, Faculty of Science,
Al-Baha University, Al-Baha, Saudi Arabia

Education:

- Doctorate's degree in Cell Biology (Zoology), University of East Anglia, United Kingdom on (11/13/1440 AH).
- Master's degree in biotechnology (Zoology), New York University, United States on (07/22/1435 AH).
- English language courses at different English institutes in Florida and New York states, USA between (1431 AH to 1432 AH)
- Bachelor's degree in microbiology (Excellent - Second Honors), Department of Biology, College of Science, King Abdulaziz University on (12/25/1426 AH).

Work History:

- Associate Professor in Molecular and Cellular Biology (Zoology), Department of Biology, College of Science, Al-Baha University (15/4/1445 AH to date)
- Assistant Professor in Cell Biology (Zoology), Department of Biology, College of Science, Al-Baha University between (04/13/1441 AH to 15/4/1445 AH).
- Lecturer in Biotechnology (Zoology), Biology Department, College of Science, Al-Baha University between (05/04/1436 - 04/13/1441 AH).
- Teaching Assistant, Biology Department, College of Science, Al-Baha University between (07/11/1430 - 05/04/1436 AH).
- Laboratory Technician, Department of Anatomy, College of Medicine, King Abdulaziz University between (07/12/1427 - 07/11/1430 AH).

Conference and Seminar:

- Launching of princess Aljawhara center of excellence in research of hereditary disorders workshop – King Abdulaziz University – Jeddah – For one day in February 2009.
- Biology colloquium – University of East Anglia – Norwich – United Kingdom – For one day in Jun 2016.
- Cancer in the 21st century – University of East Anglia – Norwich – United Kingdom – For one day in Aug 2016.
- Gordon Research Conference – New Frontiers of Angiogenesis in Health, Regeneration and Disease: Building Durable and Adaptable Vascular Networks – Salve Regina University Newport – RI – United States – For four days in July 2017.
- The Second Stem Cell Conference – Mansoura University – Egypt – For two days in December 2020
- Conference on Sustainable Development in Al-Baha Region – Al-Baha University – Al-Baha – For three days in March.
- The first scientific conference for heads and supervisors of scientific departments – King Abdulaziz University – Jeddah – For three days in November 2020.

Activities, committees and tasks:

- Member of the review committee for self-study reports and files for biology program accreditation for the academic year 1445 AH
- Member of the Program Accreditation Committee (Standard 3: Students) and (Standard 4: Faculty Members) for the academic year 1445 AH
- Member of the work team for a "Nabeh" initiative until the end of the academic year 1444 AH
- Member of the Student Fund Board until the end of the fiscal year 2023
- Member of the Student Clubs Board of Directors until the end of the academic year 4/2/1445 AH
- Member of the Student Clubs Board of Directors until the end of the academic year 4/2/1445 AH
- Member of the Professional Certification Program work team until the end of the fiscal year 2023

- Head of the supervision and follow-up work team for flexible learning paths and professional certificates until the end of the academic year 2/4/1445 AD
- Member of the Flexible Learning Paths, Education and Professional Certifications Committee until the end of the fiscal year 2022
- Member of the Graduate Qualification Working Group Committee for the year 2022
- Coordinator of the Quality Committee at the Deanship of Student Affairs for the academic year 1443 AH
- Member of the Graduate Ceremony Committee for the academic year 1442/1443 AH.
- Vice-Chairman of the Student Clubs Council at Al-Baha University until 10/2/1444 AH
- Vice-Chairman of the Student Fund Council at Al-Baha University 06/23/1443 AH until the end of the fiscal year 2022 AD.
- Member of the Scientific Research Committee for the "Hasanah" Program at Al-Baha University 03/01/1441 AH until the end of the academic year 1441/1442 AH.
- Member of the Student Guidance and Counseling Committee at the College of Science at Al-Baha University from 01/14/1443 AH until the end of the academic year 1442/1443 AH.
- Member of the Alumni Support Committee at Al-Baha University 03/01/1441 AH until the end of the academic year 1441/1442 AH.
- Member of the final exams monitoring committee for the summer semester at the College of Science, University of the year 1441/1442 AH
- Member of the Alumni Committee at the College of Science at Al-Baha University from 01/26/1442 AH until the end of the academic year 1441/1442 AH.
- Member of the Student Guidance and Counseling Committee at the College of Science at Al-Baha University from 03/10/1442 AH until the end of the academic year 1441/1442 AH.

Administrative positions:

- Head of Biology Department at Al-Baha University from (25\1\1446 AH) to the present time.
- Vice Dean of Student Affairs for student activities at Al-Baha University from 10/2/1444 AH to 5/3/1445 AH
- Dean of Student Affairs for student activities at Al-Baha University during 15/8/1444 AH to 17/8/1444 AH, 10/6/1444 AH to 11/7/1444 AH and 18/6/1444 AH to 25/7/1444 AH
- Vice Dean of Student Affairs at Al-Baha University from 03/06/1443 AH to 02/10/1444 AH

Training Courses:

- Conditions and standards for publishing in peer-reviewed scientific journals – 04/10/1443 AH
- Being able to write the program's annual report – 03/19/1443 AH
- Applying QM standards in designing electronic courses (first level) – 05/02/1443 AH
- How to search in springer nature: the digital library as an example - Saudi Digital Library - 04/11/2020.
- Making optimal use of time - Wadi Jeddah Company - 04/07/2020 AD.
- Ethical Leadership - Wadi Jeddah Company - 04/23/2020 AD
- Introduction to Research Ethics – TRREE – 10/19/2020 AD
- Attending many training programs in the field of quality and academic accreditation - Al Baha University.
- Attending many courses in using the electronic learning management system (Rafid) - Al Baha University.
- Attending many different courses at the University of East Anglia in the United Kingdom from 2015 to 2017 AD, which are: **1)** The descriptive statistics SPSS, **2)** Using SPSS for statistical analysis, **3)** Using Prezi for effective presentation, **4)** Essential and leading team working, **5)** Plagiarism, **6)** collusion and referencing, **7)** Time management, **8)** Getting started with EndNote, **9)** Improving your use of Word, **10)** Improving your use of Excel, **11)** Optimizing your PowerPoint presentation, **12)** Introduction to image analysis using ImageJ software, **13)** A guide to better HE teaching: preparation, **14)** An introduction to Nvivo, **15)** Managing the supervisor relationship, **16)** The student-supervisor relationship, **17)** Supervising and mentoring, **18)** Introductory session in the laboratory for demonstrators, **19)** Introduction to Linux, **20)** Presentation skills, **21)** Overcoming writers block: The typing pool, **22)** Preparing for attending external conference.

Publications:

- 1- Mustafa, F.E.Z.A., Abd-Elhafeez, H.H., Osman, A., Almaki, M.M., Baker, Z.M., **Alghamdi, A.A.**, Massoud, D., Elmasry, M., Solimanj, S.A. and Mahmoud, A.M., 2025. MMP-9 Expression in bone cells in the developing femur. Tissue and Cell, p.102862.
- 2- Bakry, K.A., Nasr, M., Al-Amgad, Z., Kondos, E., Kondos, M.K., Mehanny, P.E., **Alghamdi, A.A.**, Khormi, M.A., Abd-Elhafeez, H.H. and Emeish, W.F., 2024. Resistance of Nile tilapia fed with Padina boergeresii extract to Pseudomonas putida infection. BMC Veterinary Research, 20(1), p.281.

- 3- Emeish, W.F., Abd-ElHafeez, H.H., **Alghamdi, A.A.**, Ahmed, M., Khalifa, M.O., El-Mansi, A.A., Abou-Elhamd, A.S., Khormi, M.M., Alkashif, K. and Soliman, S.A., 2023. Morphological changes in intraepithelial and stromal telocytes in *Cyprinus carpio* in response to salinity stress. *Scientific Reports*, 13(1), p.19987.
- 4- Amna, T., Shang, K., Sheikh, F.A., Alnefaie, R., Zhang, J.F., **Alghamdi, A.A.**, Mohammed El Hassan, S.A.A. and Hassan, M.S., 2023. Bioinspired Materials Inherited with Antimicrobial Properties for Tissue Engineering. In *Interaction of Nanomaterials With Living Cells* (pp. 197-212). Singapore: Springer Nature Singapore.
- 5- El Latif, A.A., Zahra, A.E.A., Badr, A., Elbially, Z.I., **Alghamdi, A.A.**, Althobaiti, N.A., Assar, D.H. and Abouzed, T.K., 2023. The potential role of upregulated PARP-1/RIPK1 expressions in amikacin-induced oxidative damage and nephrotoxicity in Wistar rats. *Toxicology Research*, 12(5), pp.979-989.
- 6- **Alghamdi, A.A.**, 2023. Biogenic Mg doped CeO₂ nanoparticles via *Hibiscus sabdariffa* and its potential biological applications. *Journal of Umm Al-Qura University for Applied Sciences*, pp.1-10.
- 7- **Alghamdi, A.A.**, 2023. In Vitro Assessment of Antioxidant, Anti-Inflammatory and Cytotoxicity Activities of *Cylindropuntia rosea* Methanol Extract. *Journal of Jazan University for Applied Sciences*. In Press (accepted).
- 8- Soliman, S.A., Abd-ElHafeez, H.H., Mohamed, N.E., Alrashdi, B.M., **Alghamdi, A.A.**, Elmansi, A., Salah, A.S., El-Gendy, S.A., Rutland, C.S. and Massoud, D., 2023. Morphological and cytochemical characteristics of *Varanus niloticus* (Squamata, Varanidae) blood cells. *Microscopy Research and Technique*.
- 9- Alsharif, K.F., Albrakati, A., Al Omairi, N.E., Almalki, A.S., Alsanie, W., Abd Elmageed, Z.Y., Alharthi, F., Althagafi, H.A., **Alghamdi, A.A.**, Hassan, I.E. and Habotta, O.A., 2023. Neuroprotective efficacy of the bacterial metabolite, prodigiosin, against aluminium chloride-induced neurochemical alternations associated with Alzheimer's disease murine model: Involvement of Nrf2/HO-1/NF- κ B signaling. *Environmental Toxicology*, 38(2), pp.266-277.
- 10- **Alghamdi, A.A.**, Ali, NM, Alam, M.M., Nazreen, S., Mahzari, Ali, 2023. HPLC Profile, Anticancer, Anti-inflammatory and Antioxidant Activities of *Euphorbia inarticulata* Ethanolic Extract. *Advances in Pharmacology and Pharmacy*, 11(2), pp.156-167
- 11- Alsharif, K.F., Albrakati, A., Al Omairi, N.E., Almalki, A.S., Alsanie, W.F., Elmageed, Z.Y.A., Habotta, O.A., Lokman, M.S., Althagafi, H.A., **Alghamdi, A.A.** and Moneim, A.E.A., 2023. Therapeutic antischizophrenic activity of prodigiosin and selenium co-supplementation against amphetamine hydrochloride-induced behavioural changes and oxidative, inflammatory, and apoptotic challenges in rats. *Environmental Science and Pollution Research*, 30(3), pp.7987-8001.
- 12- **Alghamdi, A.A.**, WalyEldeen, A.A. and Ibrahim, S.A., 2022. Nanoparticles as a Therapeutic Approach for Tumor Angiogenesis. *Innovative Approaches for Nanobiotechnology in Healthcare Systems*, pp.52-113.
- 13- Al-Robai, S.A., Ahmed, A.A., Ahmed, A.A., Zabin, S.A., Mohamed, H.A. and **Alghamdi, A.A.**, 2022. Phenols, antioxidant and anticancer properties of *Tagetes minuta*, *Euphorbia granulata* and *Galinsoga parviflora*: *in vitro* and *in silico* evaluation. *Journal of Umm Al-Qura University for Applied Sciences*, pp.1-14.
- 14- Ahmed, M.B., **Alghamdi, A.A.**, Islam, S.U., Ahsan, H. and Lee, Y.S., 2022. The complex roles of DNA repair pathways, inhibitors, hyperthermia, and contact inhibition in cell cycle halts. *Mini Reviews in Medicinal Chemistry*, 23(5), pp.514-529.
- 15- Al-Robai, S.A., Ahmed, A.A., Mohamed, H.A., Ahmed, A.A., Zabin, S.A. and **Alghamdi, A.A.**, 2022. Qualitative and Quantitative Ethnobotanical Survey in Al Baha Province, Southwestern Saudi Arabia. *Diversity*, 14(10), p.867.
- 16- Ahmed, M.B., Islam, S.U., **Alghamdi, A.A.**, Kamran, M., Ahsan, H. and Lee, Y.S., 2022. Phytochemicals as Chemo-Preventive Agents and Signaling Molecule Modulators: Current Role in Cancer Therapeutics and Inflammation. *International Journal of Molecular Sciences*, 23(24), p.15765.
- 17- Al-Robai, S.A., Zabin, S.A., Ahmed, A.A., Mohamed, H.A., **Alghamdi, A.A.** and Ahmed, A.A., 2022. Phenolic contents, anticancer, antioxidant, and antimicrobial capacities of MeOH extract from the aerial parts of *Trema orientalis* plant. *Open Chemistry*, 20(1), pp.666-678.
- 18- Ahmed, M.B., **Alghamdi, A.A.**, Islam, S.U., Lee, J.S. and Lee, Y.S., 2022. cAMP signaling in cancer: A PKA-CREB and EPAC-centric approach. *Cells*, 11(13), p.2020.
- 19- Lokman, M.S., Zaafar, D., Althagafi, H.A., Abdel Daim, M.M., Theyab, A., Hasan Mufti, A., Algahtani, M., Habotta, O.A., **Alghamdi, A.A.**, Alsharif, K.F. and Albrakati, A., 2022. Antiulcer activity of proanthocyanidins is mediated via suppression of oxidative, inflammatory, and apoptotic machineries. *Journal of Food Biochemistry*, 46(2), p.e14070.
- 20- Abd Elmeged, L.S.M. and **Alghamdi, A.A.**, 2022. The effect of consuming different proportions of hummer fish on biochemical and histopathological changes of hyperglycemic rats. *Saudi Journal of Biological Sciences*, 29(1), pp.140-147.
- 21- Aly, A.A., Zaky, E.A., Elhabeby, B.S., Alessa, H., Hameed, A.M., Aljohani, M., Nassan, M.A., Kadasah, S., Mohamed, E.S. and **Alghamdi, A.A.**, 2021. Effect of thyme addition on some chemical and biological properties of sunflower oil. *Arabian Journal of Chemistry*, 14(11), p.103411.
- 22- Alsharif, K.F., Almalki, A.A., Alsanie, W.F., Alzahrani, K.J., Kabrah, S.M., Elshopakey, G.E., **Alghamdi, A.A.**, Lokman, M.S., Sberi, H.A., Bauomy, A.A. and Albrakati, A., 2021. Protocatechuic acid attenuates lipopolysaccharide-induced septic lung injury in mice: The possible role through suppressing oxidative stress, inflammation and apoptosis. *Journal of Food Biochemistry*, 45(10), p.e13915.
- 23- Amna, T., **Alghamdi, A.A.**, Shang, K. and Hassan, M.S., 2021. *Nigella sativa*-coated hydroxyapatite scaffolds: synergetic cues to stimulate myoblasts differentiation and offset infections. *Tissue Engineering and Regenerative Medicine*, 18(5), pp.787-795.
- 24- Almalki, A.S., Nazreen, S., Malebari, A.M., Ali, N.M., Elhenawy, A.A., **Alghamdi, A.A.**, Ahmad, A., Alfaifi, S.Y., Alsharif, M.A. and Alam, M.M., 2021. Synthesis and biological evaluation of 1, 2, 3-triazole tethered thymol-1, 3, 4-oxadiazole derivatives as anticancer and antimicrobial agents. *Pharmaceuticals*, 14(9), p.866.
- 25- Amna, T., **Alghamdi, A.A.**, Khan, R., Hassan, M.S. and Khil, M.S., 2021. Study on Effects of Ag-SiO₂ Core Shell Nanoparticles on Biocompatibility Appraisal of Myoblasts. *Cytology and Genetics*, 55, pp.199-204.
- 26- Ameen, F., Amna, T., **Alghamdi, A.A.**, AlKahtani, M.D. and AlYahya, S.A., 2020. Covid-19 pandemic outburst in Saudi Arabia: A glimpse. *Saudi journal of biological sciences*, 27(12), pp.3547-3552.
- 27- **Alghamdi, A.A.**, Benwell, C.J., Atkinson, S.J., Lambert, J., Johnson, R.T. and Robinson, S.D., 2020. NRP2 as an emerging angiogenic player; promoting endothelial cell adhesion and migration by regulating recycling of $\alpha 5$ integrin. *Frontiers in Cell and Developmental Biology*, 8, p.395.
- 28- Lambert, J., Makin, K., Akbareian, S., Johnson, R., **Alghamdi, A.A.**, Robinson, S.D. and Edwards, D.R., 2020. ADAMTS-1 and syndecan-4 intersect in the regulation of cell migration and angiogenesis. *Journal of Cell Science*, 133(7), p.jcs235762.

- 29- Atkinson, S.J., Gontarczyk, A.M., **Alghamdi, A.A.**, Ellison, T.S., Johnson, R.T., Fowler, W.J., Kirkup, B.M., Silva, B.C., Harry, B.E., Schneider, J.G. and Weilbaeher, K.N., 2018. The β 3-integrin endothelial adhesome regulates microtubule-dependent cell migration. EMBO reports, 19(7), p.e44578.