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### **Education:**

- \* Doctor of Philosophy (Aug 2016 - Oct 2021) in Medical Molecular Genetics with Stem Cell - University of Bangor (Wales), School of Medical Sciences. Project title "The human oncogenic germline gene *TEX19* regulates cancer cell proliferation, histone dynamics and stem cells-like characteristics".
- \* Master of Science (Sep 2014 – Dec 2015) in Medical Molecular Biology with Genetics - University of Bangor (Wales), School of Medical Sciences. Project title "Identification and Characterisation of *RAD21L* and *SPZ1* as Novel Cancer Testis Genes in Human Cancer Cell Lines".
- \* Bachelor of Medical Science (July 2008 – June 2012) in Medical Laboratory Technology – Jazan University (KSA). Project title "Studying the Association of Hemoglobin Types and Early Estimated Sick Cell Disease in Jazan Population".

### **Positions and Honours:**

- \* Vice Dean of the College of Applied Medical Science (Aug 2022- Present) College of Applied Medical Science, Al-Quwayiyah, Shaqra University, KSA
- \* Head of Clinical Laboratory Department (June 2022- Aug2023) CLS Department, College of Applied Medical Science, Al-Quwayiyah, Shaqra University, KSA
- \* Assistant Professor (June 2021- till present) CLS Department, College of Applied Medical Science, Al-Quwayiyah, Shaqra University, KSA
- \* Lecturer (April 2013 - June 2021), CLS Department, College of Applied Medical Science, Al-Quwayiyah, Shaqra University, KSA
- \* Internship (July 2011 – June 2012) in Abu Arish, Jazan and King Fahad General Hospital, KSA.

### **Mentorship:**

- \* Mentoring undergraduate students in real life clinical settings by supervising their tertiary hospital laboratory trainings.
- \* Mentoring students to have hands on experience in the molecular and non-molecular techniques in regional laboratories.
- \* Mentoring undergraduate and graduate students in proposal writing and clinical and non-clinical research as a curricular activity.

## **RESEARCH GRANT**

- \* Received Routin Funding from Shaqra University, MOE, Saudi Arabia - (su-ANN-202304)

## **Training courses:**

- \* 30/04/12 - 03/05/12 Participate in the third scientific conference for Students of higher education in the K.S.A
- \* 05/01/12 - 05/02/12 Training in Montreal University in Canada.
- \* 19/12/11 - 21/12/11 Participate in the Third science conference at Jazan University.
- \* 05/10/11 - 06/10/11 Participate in the intensive training course in health research methodology in medical research center at Jazan University.

## **Symposia attended:**

- \* Poster presentation titled “The germline gene *TEX19* drives cancer cell proliferation and stem cell-like activities” at NWCR Centre - University of Liverpool Annual Scientific Symposium, April 2019.

## **Skills:**

- \* Research Dissertation: Researched both in paper journals and on the Internet and library-based research.
- \* Teamwork: I have successfully undertaken various team projects within both academic and non-academic environments.
- \* Communication: Oral communication skills expressed in presentations and in talking to the general public. Writing skills developed with essay writing. My degree course greatly enhanced my written and verbal communication skills due to the many presentations, assignments, posters, essays and projects required.
- \* Willingness to learn: I am keen to develop my understanding and acquire new skills through study and work.
- \* Computer Proficiency: Genetic Epidemiological and Phylogenetic software's like THESIAS. General statistical software like SPSS. MS Office, Editing and graphics software like AdobePhotoshop, Illustrator.
- \* Languages: Arabic. English

## **Professional Licenses:**

- \* Senior Specialist in Laboratory Molecular Genetics, Saudi Commission for Health Specialties.

## Peer Reviewed Publications

- \* Kumari, V., Vishwas, S., Kumar, R., Kakoty, V., Khursheed, R., Babu, M.R., Harish, V., Mittal, N., Singh, P.K., Alharthi, N.S. and **Hakami, M.A.**, 2023. An overview of biomedical applications for gold nanoparticles against lung cancer. *Journal of Drug Delivery Science and Technology*, p.104729.
- \* Almasoudi, H.H., **Hakami, M.A.**, Alhazmi, A.Y., Makkawi, M., Alasmari, S., Alghamdi, Y.S. and Mashraqi, M.M., 2023. Unveiling the multitargeted repurposing potential of taxifolin (dihydroquercetin) in cervical cancer: an extensive MM\GBSA-based screening, and MD simulation study. *Medical Oncology*, 40(8), p.218.
- \* Alotaibi, B.S., Tantry, B.A., Bandy, A., Ahmad, R., Khursheed, S.Q., Ahmad, A., **Hakami, M.A.** and Shah, N.N., 2023. Simultaneous Detection of Influenza A/B, Respiratory Syncytial Virus, and SARS-CoV-2 in Nasopharyngeal Swabs by One-Tube Multiplex Reverse Transcription Polymerase Chain Reaction. *Tropical Medicine and Infectious Disease*, 8(6), p.326.
- \* Kuriri, Fahd A., Abdulrahman Ahmed, Fehaid Alanazi, Fahad Alhumud, **Mohammed Ageeli Hakami**, and Osama Atiatalla Babiker Ahmed. "Red Blood Cell Alloimmunization and Autoimmunization in Blood Transfusion-Dependent Sickle Cell Disease and  $\beta$ -Thalassemia Patients in Al-Ahsa Region, Saudi Arabia." *Anemia* 2023 (2023).
- \* Alsolais, A.M., Althafar, Z.M., Hasan, M.R., **Hakami, M.A.**, Omar, B.I.A., Hessien, K.B.G., Alkhorayef, N. and Khan, F.R., 2023. Ranitidine Contaminated With N-Nitrosodimethylamine (Ndma) Link To Carcinoma: A Systematic Review And Meta-Analysis. *Journal of Pharmaceutical Negative Results*, pp.2031-2043.
- \* Amandeep Kaur, Navneet Singh, Harmanpreet Kaur, Violina Kakoty, Deep Shikha Sharma, Rubiya Khursheed, Molakpogu Ravindra Babu, Vancha Harish, Gaurav Gupta, Monica Gulati, Puneet Kumar, Harish Dureja, Nahed S. Alharthi, Farhan R. Khan, Zia ur Rehman, **Mohammed Ageeli Hakami**, Mrunali Patel, Rashmin Patel, Milad Zandi, Sukriti Vishwas, Kamal Dua, Sachin Kumar Singh, Neurodegenerative diseases and brain delivery of therapeutics: Bridging the gap using dendrimers, *Journal of Drug Delivery Science and Technology*.
- \* Alotaibi, B.S., **Hakami, M.A.**, Jawaid, T., Alshammari, N., Binsuwaidan, R. and Adnan, M., 2023. Identification of potential Escherichia coli DNA gyrase B inhibitors targeting antibacterial therapy: an integrated docking and molecular dynamics simulation study. *Journal of Biomolecular Structure and Dynamics*, pp.1-12.
- \* Alsaiani, A.A., **Hakami, M.A.**, Alotaibi, B.S., Alkhalil, S.S., Alkhorayef, N., Khan, K. and Jalal, K., 2023. Delineating multi-epitopes vaccine designing from membrane protein CL5 against all monkeypox strains: a pangenome reverse vaccinology approach. *Journal of Biomolecular Structure and Dynamics*, pp.1-22.
- \* Rafat, S., **Hakami, M.A.**, Hazazi, A., Alsaiani, A.A., Rashid, S., Hasan, M.R., Aloliqi, A.A., Eisa, A.A., Dar, M.I., Khan, M.F. and Dev, K., 2023. Inhibition of Autophagy and the Cytoprotective Role of Smac Mimetic against ROS-Induced Cancer: A Potential Therapeutic Strategy in Relapse and Chemoresistance Cases in Breast Cancer. *Current Issues in Molecular Biology*, 45(7), pp.5752-5764.

- \* Alotaibi, B.S., Ajmal, A., **Hakami, M.A.**, Mahmood, A., Wadood, A. and Hu, J., 2023. New drug target identification in *Vibrio vulnificus* by subtractive genome analysis and their inhibitors through molecular docking and molecular dynamics simulations. *Heliyon*, p.e17650.
- \* Tabassum, G., Singh, P., Gurung, R., **Hakami, M.A.**, Alkhorayef, N., Alsaiani, A.A., Alqahtani, L.S., Hasan, M.R., Rashid, S., Kumar, A. and Dev, K., 2023. Investigating the role of Kinesin family in lung adenocarcinoma via integrated bioinformatics approach. *Scientific Reports*, 13(1), p.9859.
- \* Ajmal, A., Mahmood, A., Hayat, C., **Hakami, M.A.**, Alotaibi, B.S., Umair, M., Abdalla, A.N., Li, P., He, P., Wadood, A. and Hu, J., 2023. Computer-assisted drug repurposing for thymidylate kinase drug target in monkeypox virus. *Frontiers in Cellular and Infection Microbiology*, 13, p.618.
- \* **Hakami, M.A.**, Alotaibi, B.S., Hazazi, A., Shafie, A., Alsaiani, A.A., Ashour, A.A. and Anjum, F., 2023. Identification of potential inhibitors of tropomyosin receptor kinase B targeting CNS-related disorders and cancers. *Journal of Biomolecular Structure and Dynamics*, pp.1-11.
- \* Alharethi, S.H., Kamal, T., Alharbi, B., Alhassan, H.H., **Hakami, M.A.**, Alotaibi, B.S., Rub, M.A., Marwani, H.M., Alamry, K.A., Asiri, A.M. and Azum, N., 2023. Signal Transducer and Activator of Transcription 6 Changes and Protein Frustration by Single Amino Acid Substitutions: Implications for Cancer Progression. *OMICS: A Journal of Integrative Biology*, 27(4), pp.171-179.
- \* Amalorpavanaden, N.D., Oyouni, A.A.A., Al-Amer, O.M., AlZamzami, W., Arokiyaraj, S., Mufti, A.H., **Hakami, M.A.** and Alsulami, A.A.A., 2023. Expression changes of multiple marker genes and analysis of circulating tumour cells and dehydrogenase for prognostic and pharmacodynamic measures. *Journal of King Saud University-Science*, 35(4), p.102638.
- \* Ahmad, A.A., Ramadan, H.K.A., Hassan, W.A., **Hakami, M.A.**, Huseein, E.A.M., Mohamed, S.A.A., Mohamed, A.A. and Elossily, N.A., 2022. New perspectives for fascioliasis in Upper Egypt's new endemic region: Sociodemographic characteristics and phylogenetic analysis of *Fasciola* in humans, animals, and lymnaeid vectors. *PLOS Neglected Tropical Diseases*, 16(12), p.e0011000.

## **References**

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