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Saudi Arabia, Dhahran

## REFERENCES

Dr. Jean-Marc Renaud  
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# Dr. Hind Albadrani

ASSISTANT PROFESSOR

## ABOUT ME

I am dedicated to continuous professional growth, I have consistently sought opportunities to expand my expertise, aligning with evolving trends and demands in the dynamic labor market. Currently, working as a respected researcher and Assistant Professor at Imam Abdulrahman bin Faisal University, where I have successfully blended academic rigor with practical research applications. My background uniquely positions me to contribute to the dynamic and multidisciplinary environment of work.

## SOFT SKILLS:

- Leadership Skills
- Strategic Planner
- Decision-Maker
- Problem-Solving skills
- Innovative Thinker
- Budget Manager
- Team Builder
- Effective Communication
- Stress Management
- Time Management
- Collaboration and Networking
- Motivation and dynamic

## TECHNICAL SKILLS:

**Computer software:** AI software, Microsoft office, Sigma, IMARS, imgeJ and SAS analysis

**Language:** Arabic and English

## WORK EXPERIENCE

### Assistant Professor

College of Applied Medical Sciences at Imam Abdulrahman bin Faisal  
University/Dammam Aug 2023- present

### Assistant Professor

College of Applied Medical Sciences at Majmaah University/Majmaah /Apr 2021 – July  
2023

- Administration work
- Conduct research
- Teaching
- A head of the scientific research and innovation unit 2022- July 2023.
- A head of the clinical training unit of medical laboratory program 2022- July 2023.
- Member of curriculum development committee
- Senior Specialist – Laboratory Molecular Genetics at king Fahad University Hospital

### Lecturer

College of Applied Medical Sciences at Majmaah University/Majmaah /Apr 2015 – Apr  
2022

### Laboratory Technician

- Department of Pathology and Laboratory Medicine at National Guard Health  
Hospital Affairs / Riyadh/Aug 2008 - Aug 2009
- Phlebotomist Training  
Ambulatory Care Center Laboratory at National Guard Health Hospital Affairs /  
Riyadh/Feb 2009 - May 2009
- Safety Laboratory Training  
Safety Laboratory Training Department at National Guard Health Hospital Affairs /  
Riyadh/Feb 2009 - Oct 2009
- Laboratory Technician Training  
Department of Pathology and Laboratory Medicine at Dallah Hospital  
/ Riyadh/July 2007 - Aug 2007

- Laboratory Technician Training  
Department of Pathology and Laboratory Medicine at Alyamamah Hospital  
/ Riyadh/July 2006 - Aug 2006

## EDUCATION

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- Project Management Professional (PMP) certification course / 2024
- Ph.D.  
Faculty of Medicine at University of Ottawa / Ottawa, Canada / 2021  
PhD. Cellular and Molecular Medicine with specialization pathology and experimental medicine
- Master's Degree  
Faculty of Medicine at University of Ottawa / Ottawa, Canada / 2015  
MSc. Cellular and Molecular Medicine
- Post Bachelor Diploma  
College of Applied Medical Sciences at King Saud Bin Abdulaziz University for Health Sciences / Riyadh / 2009  
Post B.Sc. Clinical Chemistry
- Bachelor of Science  
College of Science at King Saud University / Riyadh / 2008
- B.Sc. Biochemistry

## Activities

- Participation in International Conference on Muscle Wasting, Ascona, Switzerland, 2022.
- Workshop trainer for a graduate student program at Majmaah University 2022.
- Board reviewer for local journals
- Workshop trainer for a graduate student program at Tmair hospital 2022.
- A member of Saudi Society for Laboratory medicine organization 2021-present
- Participation in International Conference on Muscle Wasting, Ascona, Switzerland, 2018.
- Participation in international conference of Experimental Biology, San Diego, US, 2016.
- Attendance The First Conference in The Biotechnology, Riyadh, Saudi Arabia, 2009.

## PUBLICATIONS

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- Albadrani, H., Ammar, T., Bader, M., & Renaud, J. M. (2021). Angiotensin 1-7 prevents the excessive force loss resulting from 14- and 28-day denervation in mouse EDL and soleus muscle. *The Journal of general physiology*, 153(12), e201912556. <https://doi.org/10.1085/jgp.201912556>
- Albadrani, H., Ammar, T., Rajgara, R., Bader, M., Wiper-Bergeron, N., & Renaud, J. M. (2022). Angiotensin 1-7 increases fiber cross-sectional area and force in juvenile mouse skeletal muscle. *American journal of physiology. Cell physiology*, 323(6), C1681–C1696. <https://doi.org/10.1152/ajpcell.00271.2021>
- Liposomal curcumin protects against hypoxic stress induced by sodium nitrite in rats heart (submitted)
- Khare, N., Maheshwari, S. K., Rizvi, S. M. D., Albadrani, H. M., Alsagaby, S. A., Alturaiki, W., Iqbal, D., Zia, Q., Villa, C., Jha, S. K., Jha, N. K., & Jha, A. K. (2022). Homology Modelling, Molecular Docking and Molecular Dynamics Simulation Studies of CALMH1 against Secondary Metabolites of *Bauhinia variegata* to Treat Alzheimer's Disease. *Brain sciences*, 12(6), 770. <https://doi.org/10.3390/brainsci12060770>
- Bano, N., Iqbal, D., Al Othaim, A., Kamal, M., Albadrani, H. M., Algehainy, N. A., Alyenbaawi, H., Alghofaili, F., Amir, M., & Roohi (2023). Antibacterial efficacy of synthesized silver nanoparticles of *Microbacterium proteolyticum* LA2(R) and *Streptomyces rochei* LA2(O) against biofilm forming meningitis causing

- microbes. *Scientific reports*, 13(1), 4150. <https://doi.org/10.1038/s41598-023-30215-9>
- Rudrapal, M., Vallinayagam, S., Aldosari, S., Khan, J., Albadrani, H., Al-Shareeda, A., & Kamal, M. (2023). Valorization of *Adhatoda vasica* leaves: Extraction, *in vitro* analyses and *in silico* approaches. *Frontiers in nutrition*, 10, 1161471. <https://doi.org/10.3389/fnut.2023.1161471>
  - Iqbal, D., Rehman, M. T., Alajmi, M. F., Alsaweed, M., Jamal, Q. M. S., Alasiry, S. M., Albaker, A. B., Hamed, M., Kamal, M., & Albadrani, H. M. (2023). Multitargeted Virtual Screening and Molecular Simulation of Natural Product-like Compounds against GSK3 $\beta$ , NMDA-Receptor, and BACE-1 for the Management of Alzheimer's Disease. *Pharmaceuticals (Basel, Switzerland)*, 16(4), 622. <https://doi.org/10.3390/ph16040622>
  - Iqbal, D., Alsaweed, M., Jamal, Q. M. S., Asad, M. R., Rizvi, S. M. D., Rizvi, M. R., Albadrani, H. M., Hamed, M., Jahan, S., & Alyenbaawi, H. (2023). Pharmacophore-Based Screening, Molecular Docking, and Dynamic Simulation of Fungal Metabolites as Inhibitors of Multi-Targets in Neurodegenerative Disorders. *Biomolecules*, 13(11), 1613. <https://doi.org/10.3390/biom13111613>
  - Almalki S., Alsaweed M., Albadrani H., Alqurashi Y., Bazuhair M., Ahmed H., Ahmad P., Alfahed A., Othaim A., Iqbal D. (2023). A molecular informatics and in-vitro approach to evaluate the HMG-CoA reductase inhibitory efficacy of monoterpenes, carvacrol and geraniol. *Journal of Taibah University for Science*. <https://doi.org/10.1080/16583655.2023.2297456>
  - Jahan, Sadaf and Ansari, Uzair Ahmad and Srivastava, Ankur Kumar and Aldosari, Sahar and Alabdallat, Nessrin Ghazi and Siddiqui, Arif Jamal and Khan, Andleeb and Albadrani, Hind Muteb and Sarkar, Sana and Khan, Bushra and Adnan, Mohd and Pant, Aditya Bhushan (2024). A protein,miRNA biomic analysis approach to explore neuroprotective potential of nobiletin in human neural progenitor cells (hNPCs). *Frontiers in Pharmacology*. <https://doi.org/10.3389/fphar.2024.1343569>
  - Mani, S., Dubey, R., Lai, I. C., Babu, M. A., Tyagi, S., Swargiary, G., Mody, D., Singh, M., Agarwal, S., Iqbal, D., Kumar, S., Hamed, M., Sachdeva, P., Almutary, A. G., Albadrani, H. M., Ojha, S., Singh, S. K., & Jha, N. K. (2023). Oxidative Stress and Natural Antioxidants: Back and Forth in the Neurological Mechanisms of Alzheimer's Disease. *Journal of Alzheimer's disease : JAD*, 96(3), 877–912. <https://doi.org/10.3233/JAD-220700>
  - Biofabrication and their in-vitro toxicity of Selenium Nanocrystalline by using waste part (Peel) of *Benincasa hispida* (submitted)
  - Janus kinase 2 (JAK2) and Signal Transducer and Activator of Transcription 5 (STAT5) Potential Inhibitors with Better Binding Affinity and ADMET Properties for Anticancer Drug Discovery: In Silico Studies (submitted)
  - Optimizing the Approach for Maintaining Single Muscle Fibers in Culture (prepared to submit)