

## Faculty Portofolio Template

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### Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2019	PHD	University of Louisiana at Monroe, USA
2012	B.Sc. Pharmaceutical Sciences	King Khalid University, Abha, Saudi Arabia

### Professional experience:

Year	Positions	University/College, Country
October 2019-present	Vice-Chair of the Pharmacology Department (female sector)	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
September 2019-present	Scientific Research Coordinator for the College of Pharmacy	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
August 2019-2021	Secretary of the Department Council	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
January 2021-present	Member in the schedule and examination committee	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
January 2021-present	Member in the scientific research committee	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
January 2021-present	Member in the Graduate and Higher Education and Research Committee	Department of pharmacology and toxicology, College of Pharmacy, King Khalid University, Abha, Saudi Arabia
January 2021-present	Member in the career day committee	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
March 2021-present	Head of the Curriculum & Plans Committee	Department of pharmacology and toxicology, College of Pharmacy, King Khalid University, Abha, Saudi Arabia

### Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
January 7, 2021	First place award in 1 <sup>st</sup> pharmacy research day	Pharmacy research unit- King Abdulaziz Medical Center, Saudi Arabia

September 7, 2021	Coordinator of the Scientific Research Unit at the College of Pharmacy	King Khalid University, Abha, Saudi Arabia
May 2022	Coordinator of the Scientific Research Unit at the College of Pharmacy	King Khalid University, Abha, Saudi Arabia

### Community Service Activities

Year	Positions & Name of the Project	University/Company, Country
April 2023	Attend and organize the workshop (Vitamins and Minerals and how the body absorb it)	KKU, Abha, Saudi Arabia
October 2022	Speaker in( The Academic Writing) lecture; within the series of lectures from the Academic Counseling	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
September 2022	Organize and participate in Maternity and safety event within the activities of the Saudi Pharmacist Day	Saudi Society for Drug Education + KKU, Abha, Saudi Arabia
May 2022	Trainer in workshop (Effective time management and organization skills)	KKU, Abha, Saudi Arabia
March 2022	Speaker in Alumni webinar series 2022 (Academic Writing in Pharmaceutical Sciences: Dos and Don't)	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
February 2022	Supervise students in "Dawa Club" in the drugs education (Drug interaction section)	Alrashid Mall, Abha, Saudi Arabia
January 2022	Guest in "People Behind the Titles" organized by "Dawa Club"	KKU, Abha, Saudi Arabia
December 2021	Speaker and Trainer in (Chronic diseases and how to prevent it) for Al-Kawther volunteers	Al-Kawther Health Association, Abha, Saudi Arabia
November 2021	Participate in Research Day and being a mentor for PharmD students	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
October 2021	Organize Breast Cancer Awareness Campaign	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
August 2021	Participate in KKU Podcast to enhance the awareness and willingness of public to take COVID-19 Vaccine <a href="https://youtu.be/Fs0nKaGeymE">https://youtu.be/Fs0nKaGeymE</a>	KKU, Abha, Saudi Arabia
May-July 2021	Attend and pass Faculty Skills Development Project	Tamauzy Training and Consultant + KKU , Abha, Saudi Arabia
January 2021	Speaker in Pharmacy research unit- King Abdulaziz Medical Center, Saudi Arabia	Riyadh, Saudi Arabia
December 2020	Modulator in the genetic Revolution: medical Application webinar	Virtual, SPS,PSG, Saudi Arabia
November 2019	Participate in the research day event, College of pharmacy	King Khalid University, Abha, Saudi Arabia
May 2019	Participate poster presentation in the AACR (American Association for Cancer Research) Annual Meeting; the conference paper: Calcitonin Receptor is	AACR, Atlanta, USA

	Required for T-Antigen-Induced Prostate Carcinogenesis	
April 2018	Participate oral presentation in the 19 <sup>th</sup> Annual University of Louisiana at Monroe Student Research Symposium; the conference paper: Prostate Cancer Biomarker Detection Using a Novel Nanostructured Optical Microchips	University of Louisiana, Monroe, USA
March 2017	Participate poster presentation in the 18 <sup>th</sup> Annual University of Louisiana at Monroe Student Research Symposium; the conference paper: Measurement of Serum Prostate Cancer Markers Using a Nanopore Thin Film Based Optofluidic Chip	University of Louisiana, Monroe, USA
October 2016	Attend the 2 <sup>nd</sup> Global Nanotechnology Congress and Expo	Las Vegas, USA
May 2012	Attend the 7 <sup>th</sup> Annual Advanced Diabetes Conference	Abha, Saudi Arabia
May 2012	Attend the Practical Tips and Proven Strategies for Improving Patient Care Workshop	Abha, Saudi Arabia
May 2012	Attend the Translation of the Latest Diabetes Research into Clinical Practice Workshop	Abha, Saudi Arabia
April 2011	Attend the 7 <sup>th</sup> Annual Research Day at Medical College, King Khalid University,	Abha, Saudi Arabia
January 2011	Attend the Folic Acid and Spinal Bidifa Workshop,	Aseer Central Hospital, Abha, Saudi Arabia

#### Research interests:

- Cancer invasion and metastasis
- Cancer development and carcinogenesis
- Cancer biomarker and early detection
- Medical education

#### Teaching experience:

- Teaching Pharmacology and courses for Pharmacy students at King Khalid University, 2019-2022.
- Teaching Basic and Clinical Pharmacology courses for medical students at King Khalid University, 2019-2021.
- Teaching Pharmacology courses for Physiotherapy students at King Khalid University, 2019-2020.

- Teaching Pharmacology courses for Pharmacy and nursing students at King Khalid University, 2021-2023.

### Special Experience:

- Microscopy and histology:  
Tissue preparation for histology and immunofluorescence (paraffin embedded tissue), immunofluorescence microscopy of primary cells and histological tissue sections.
- Molecular biology:  
RNA extraction, PCR, and cDNA synthesis, quantitative Realtime-PCR, microarray analysis.
- Protein biochemistry:  
Protein extraction, protein lysate luciferase assays, SDS-PAGE, immunoblotting.
- Cell biology:  
Cancer stem cell isolation, Apoptosis, FACS (TUNEL-assay, cleaved caspase 3 staining), various cell culture handling and transfection methodology, flow cytometry.

### Professional membership:

Year	Name of the professional Body	Role
2018-present	American Association for cancer Research (AACR)	Associate member
2020-present	Zahra Breast Cancer Association	Active member
2020-2021	Pharmaceutical Scientists Group (SPG-SPS)	Active member

### Conference, presentations, and workshops attendance:

- Attend the program (Approach to Moderation and Intellectual Security), 8-11 January, 2023, & courses (24.5 hours), Prince Khalid Al-Faisal Institute for Moderation at King Abdulaziz University+ KKU, Abha, Saudi Arabia

- Attend The Annual Conference of SPS entitled ( SIPHA: Saudi International Pharmaceutical Science Meeting & Workshops, 3-5 January, 2023, Al-Khobar, Saudi Arabia
- Attend the program (Descriptions and Reports of Programs and Courses), 16-17 March, 2023 Riyadh, Saudi Arabia
- Attend the workshop (Nutritional support for oncology patients), 15 February 2023, Zahra Association + Saudi Commission for Health Specialist
- Attend the workshop (Strategic teaching ), 28 December, 2022, KKU, Abha, Saudi Arabia
- Attend Conference of Explicit Specializations in Saudi Universities in accordance with Vision 2030, 3-4 March, 2023, KKU, Abha, Saudi Arabia
- Attend workshop (Creative teaching in university education), 28 March 2023, KKU, Abha, Saudi Arabia
- Attend ( Saudi Society for Medical Education (SSME)), 15-16 February 2022, Abha Palace, Abha, Saudi Arabia
- Attend the Training of Trainers Program (TOT), 23-28 January 2022 (48 hours), KKU, Abha, Saudi Arabia
- Participated in the Internet Live Course titled: Texas MPN Working Group (TMWG) 2021 in San Antonio TX on August 19, 2021- August 20, 2021
- Attend workshop (Standard implementation and evolution “learning, teaching”) within the series of the annual Calendar for Professional Development (ACPD) held on 27 May 2021 (6 hours), Virtual, King Khalid University, Abha
- Attend online workshop (Educational infographic design) held on 2/3/2021, King Khalid University, Abha
- Attend online workshop (supervision a research student) held on 10/2/2021, College of medicine, medical education department, King Saud University, Riyadh

- Attend online workshop (Use and activate the Connect Yards tool) held on 16/2/2021 (2 hours), King Khalid University, Abha
- Participate oral presentation in the Pharmacy research unit- King Abdulaziz Medical Center, January 2021 Saudi Arabia
- Atten online workshop (The optimal use of assessment tools in the e-learning system “Backboard”) held on 24/10/2020 (3 hours) King Khalid University, Abha
- Attend workshop (Develop professional standards for faculty member), within the project of skill development for faculty member at King Khalid University, held in 7-8 December 2019, Jeddah, Saudi Arabia
- Atten online workshop (Scientific research plan in academic field) held on 21/10/2019 (4 hour) King Khalid University, Abha
- Atten online workshop (Research reading skills) held on 21/10/2019, King Khalid University, Abha
- Attend workshop (Risk management according to the strategic plan) held on November 2019. Dubai
- Participate poster presentation in the AACR (American Association for Cancer Research) Annual Meeting 2019; the conference paper: Calcitonin Receptor is Required for T-Antigen-Induced Prostate Carcinogenesis; Atlanta, USA, April 2019
- Participate oral presentation in the 19<sup>th</sup> Annual University of Louisiana at Monroe Student Research Symposium; the conference paper: Prostate Cancer Biomarker Detection Using a Novel Nanostructured Optical Microchips; Monroe, USA, April 2018
- Participate poster presentation in the 18<sup>th</sup> Annual University of Louisiana at Monroe Student Research Symposium; the conference paper:

Measurement of Serum Prostate Cancer Markers Using a Nanopore Thin Film Based Optofluidic Chip; Monore, USA, March 2017

**Publications:**

1. Afaf Aldahish, Knowledge and Awareness about Risk Factors of Colorectal Cancer and Perceived Barriers in its Screening: A cross sectional study design by Pharmacist, Latin American Journal of Pharmacy, Vol. 42, Page: 1321-1328, 2023
2. Javad SHARIFI-RAD Naoual EL MENYIY · Alibek YDYRYS , Naoufal EL HACHLAFI , Nasreddine EL OMARI , Afaf A. ALDAHISH , Farukh SHAROPOV , Abdelhakim BOUYAHYA , Jelena ŽIVKOVIĆ , Charles O. ADETUNJI , Olugbemi T. OLANIYAN , Miquel MARTORELL , Eda SÖNMEZ GÜRER , Christophe HANO , Daniela CALINA, Bioactive Compounds From Prosopis Species As Potential Oxidative Stress And Inflammation Modulators: An Update On Mechanisms, Minerva Biotechnology, Vol.35, Page. 127-144, 2023
3. Heikal, EJ (Heikal, Eman J.) ; Kaoud, RM (Kaoud, Rashad M.) ; Gad, S (Gad, Shadeed) ; Mokhtar, HI (Mokhtar, Hatem I.) ; Aldahish, AA (Aldahish, Afaf A.) ; Alzlaq, WA (Alzlaq, Wafa Ali) ; Zaitone, SA (Zaitone, Sawsan A.) ; Moustafa, YM (Moustafa, Yasser M.) ; Hammady, TM (Hammady, Taha M.), Design and Optimization of Omeprazole-Curcumin-Loaded Hydrogel Beads Coated with Chitosan for Treating Peptic Ulcers, Vol. 16, Pages. 795, PHARMACEUTICS, 2023
4. Vasudevan, R (Vasudevan, Rajalakshimi) ; Kandasamy, G (Kandasamy, Geetha) ; Aldahish, A (Aldahish, Afaf) ; Almanasef, M (Almanasef, Mona) ; Khobrani, M (Khobrani, Moteb) ; Shorog, E (Shorog, Eman) ; Prabahar, K (Prabahar, Kousalya) ; Alsawaq, EM (Mohammed Alsawaq, Enas) ; Wahab, S (Wahab, Shadma) ; Begum, MY (Begum, M. Yasmin) ; Antidepressant and Anxiolytic Potentials of the Chewing Stick, *Salvadora persica*, Journal of Tropical Medicine, Vol. 2023, 2023
5. Aldahish, A (Aldahish, Afaf) ; Balaji, P (Balaji, Prasanalakshmi) ; Vasudevan, R (Vasudevan, Rajalakshimi) ; Kandasamy, G (Kandasamy, Geetha) ; James, JP (James, Jaaney P.) ; Prabahar, K (Prabahar, Kousalya), Elucidating the Potential Inhibitor against Type 2 Diabetes Mellitus Associated Gene of GLUT4, Journal of Personalized Medicine, Vol. 13, 2023
6. Masud, N (Masud, Neshat) ; Aldahish, A (Aldahish, Afaf) ; Iczkowski, KA (Iczkowski, Kenneth A.) ; Kale, A (Kale, Ajay) ; Shah, GV (Shah, Girish V. V.), Zinc finger

protein-like 1 is a novel neuroendocrine biomarker for prostate cancer, International Journal of Oncology, Vol.62, 2023

7. Jain, Nem Kumar; Tailang, Mukul; Jain, Hemant Kumar; Chandrasekaran, Balakumar; Sahoo, Biswa Mohan; Subramanian, Anandhalakshmi; Thangavel, Neelaveni; Aldahish, Afaf; Chidambaram, Kumarappan; Alagusundaram, M; Therapeutic implications of current Janus kinase inhibitors as anti-COVID agents: A review, *Frontiers in Pharmacology*, Vol 14, Pages 1135145, 2023, *Frontiers*
8. Posadino, Anna Maria; Giordo, Roberta; Ramli, Iman; Zayed, Hatem; Nasrallah, Gheyath K; Wehbe, Zena; Eid, Ali H; Güreş, Eda Sönmez; Kennedy, John F; Aldahish, Afaf Ahmed; An updated overview of cyanidins for chemoprevention and cancer therapy, *Biomedicine & Pharmacotherapy*, Vol. 163, Pages. 114783, 2023, Elsevier Masson.
9. Aldahish, A; Vasudevan, R; Salem, H; Alqahtani, A; AlQasim, S; Alqhatani, A; Al Shahrani, M; Al Mohsen, L; Hajla, M; Calina, D; Telogen effluvium and COVID-19: a cross-sectional study. *European Review for Medical & Pharmacological Sciences*, Vol. 27, 2023
10. Chaudhary, Priya; Janmeda, Pracheta; Setzer, William N; Aldahish, Afaf Ahmed; Sharifi-Rad, Javad; Calina, Daniela; Breaking free from free radicals: harnessing the power of natural antioxidants for health and disease prevention, Springer International Publishing Cham, 2023
11. Alrooqi, M (Alrooqi, Munira) ; Khan, S (Khan, Sikandar) ; Alhumaydhi, FA (Alhumaydhi, Fahad A.) ; Asiri, SA (Asiri, Saeed A.) ; Alshamrani, M (Alshamrani, Meshal) ; Mashraqi, MM (Mashraqi, Mutaib M.) ; Alzamami, A (Alzamami, Ahmad) ; Alshahrani, AM (Alshahrani, Asma M.) ; Aldahish, AA (Aldahish, Afaf A.), A Therapeutic Journey of Pyridine-based Heterocyclic Compounds as Potent Anticancer Agents: A Review (From 2017 to 2021), *Anticancer Agents in Medicinal Chemistry*, Vol. 22, 2023
12. Rana, Tarapati (Rana, Tarapati) ; Behl, Tapan (Behl, Tapan) ; Shamsuzzaman, Md (Shamsuzzaman, Md) ; Singh, Sukhbir (Singh, Sukhbir) ; Sharma, Neelam (Sharma, Neelam) ; Sehgal, Aayush (Sehgal, Aayush) ; Alshahrani, M. Asma (Alshahrani, M. Asma) ; Aldahish, Afaf (Aldahish, Afaf) ; Chidambaram, Kumarappan (Chidambaram, Kumarappan) ; Dailah, Hamad Ghaleb (Dailah, Hamad Ghaleb) ; Bhatia, Saurabh (Bhatia, Saurabh) ; Bungau, Simona (Bungau, Simona), Exploring the role of astrocytic dysfunction and AQP4 in depression, *Cellular Signalling*, Vol. 96, 2022
13. Alqahtani, A ; Chidambaram, K ; Asseri, K ; Venkatesan, K, Absar A ; Aldahish, A; Alqahtani, T; Alghazwani, Y ; Bin Emran, T , Talha ; Hassan, HM ; Asiri, SA; Khan, NA; Balakumar, P (Balakumar, Pitchai, Renoprotective and in silico Modeling Studies



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15. Mitra, Saikat; Lami, Mashia Subha; Ghosh, Avoy; Das, Rajib; Tallei, Trina Ekawati; Fatimawali; Islam, Fahadul; Dhama, Kuldeep; Begum, M Yasmin; Aldahish, Afaf; Hormonal therapy for gynecological cancers: how far has science progressed toward clinical applications?, Cancers, Vol. 14, Pages 759, MDPI, 2022
16. Wu, Ximei; Hussain, Musaddique; Syed, Shahzada Khurram; Saadullah, Malik; Alqahtani, Ali M; Alqahtani, Taha; Aldahish, Afaf; Fatima, Mobeen; Shaukat, Saira; Hussain, Liaqat; Verapamil attenuates oxidative stress and inflammatory responses in cigarette smoke (CS)-induced murine models of acute lung injury and CSE-stimulated RAW 264.7 macrophages via inhibiting the NF- $\kappa$ B pathway, Biomedicine & Pharmacotherapy, Vol. 149, Pages. 112783, Elsevier, 2022
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19. Vasudevan, Rajalakshimi; Kandasamy, Geetha; Almaghaslah, Dalia; Almanasef, Mona; Alqahatani, Ali; Aldahish, Afaf; Venkatesan, Krishnaraju; Paulsamy, Premalatha; Maheswari, C; Wahab, Shadma; Alleviation of neuropathic pain by trazodone in rats, Brazilian Journal of Pharmaceutical Sciences, Vol. 58, Pages. e19256, 2022
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23. Najibullah, Shehla Nasar Mir; Ahamad, Javed; Aldahish, Afaf Ahmed; Sultana, Shaheen; Sultana, Shehnaz; Chemical characterization and  $\alpha$ -glucosidase inhibitory activity of essential oil of Lavandula angustifolia flowers, Journal of Essential Oil Bearing Plants, Vol.24, Pages. 431-438, 2021
24. Alqahtani, Ali; Aldahish, Afaf; Krishnaraju, V; Alqarni, Mona; Al-Sheikh Hassan, Mohammed; General public knowledge of Coronavirus disease 2019 (COVID-19) at early stages of the pandemic: a random online survey in Saudi Arabia, Patient preference and adherence, Pages. 601-609, 2021
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