

Faculty Portofolio

Dr. Taghreed Ali Majrashi. PhD
Assistant Professor
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College of Pharmacy
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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
May 2020	Ph.D.	University of Mississippi / United State
November 2012	B.Sc. Pharmaceutical Sciences	College of Pharmacy, King Khalid University - Saudi Arabia

Professional experience:

Year	Positions	University/College, Country
2022-12 – 2023-7	Vice-Dean of the College of Pharmacy Female Section	College of Pharmacy, King Khalid University - Saudi Arabia
2022-12 – 2023-6	Supervisor of Pharmacy Training Office	College of Pharmacy, King Khalid University - Saudi Arabia
2022-09- Present	Vice Chair of Pharmacognosy Department	College of Pharmacy, King Khalid University - Saudi Arabia
2020-08 – Present	Pharmacognosy Department Board Secretary	College of Pharmacy, King Khalid University - Saudi Arabia
2020-06 - Present	Assistant Professor	College of Pharmacy, King Khalid University - Saudi Arabia
2018-01 - 2019-02	Vice President of Saudi Students Club at Oxford, Mississippi	University of Mississippi, Oxford, Mississippi Department of BioMolecular Sciences, Pharmacognosy Division.
2015-08 - 2020-05	Ph.D. Student	University of Mississippi, Oxford, Mississippi Department of BioMolecular Sciences, Pharmacognosy Division.

2013-09 - 2015-06	Teaching Assistant	College of Pharmacy, King Khalid University - Saudi Arabia

Community service activities

Year	Positions & Name of the Project	University/Company, Country
May 19th, 2022.	Participating in Pharmacy Career Day.	King Khalid University, KSA
September 19th, 2022	Participating in public event the safety of medications uses during pregnancy and breastfeeding.	King Khalid University, Al Rashid mall, Abha, Saudi Arabia.
January 29th, 2023.	Group Discussion Leader in the Annual Periodic Program Review 2023, organized by Vice Deanship of Academic Affairs and Development at College of Pharmacy king Khalid University.	King Khalid University, KSA
March 21 st , 2023	Health Volunteering with Asir General Hospital in Abha.	King Khalid University, Asir General Hospital, Abha, Saudi Arabia.
April 4 th , 2023	Coordination one online lecture titled: Natural herbs in Ramadan, their benefits and harms.	College of Pharmacy, King Khalid University - Saudi Arabia

Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
2019	Outstanding Graduate Student Award in Pharmacognosy presented by Department of BioMolecular Sciences.	University of Mississippi, USA

Workshops/ Trainings:

Year	Title	University/Company, Country
October 17-18 th , 2023.	Conflict and Stress Management Program	King Khalid University - Saudi Arabia
October 8-9 th , 2023.	Leadership Features Identification Program	King Khalid University - Saudi Arabia

November 1 st , 2023	Academic Leaders, Opportunities and Challenges	King Khalid University - Saudi Arabia
January 1 st , 2023.	Academic Leaders Expertise and Experience	King Khalid University - Saudi Arabia
December 28 th , 2022	Evaluation Methods	King Khalid University - Saudi Arabia
December 28 th , 2022	Teaching Strategies.	King Khalid University - Saudi Arabia
February 13 th , 2022.	Professional CV and passing the personal interview	King Khalid University - Saudi Arabia
February 12 th , 2022	The most important skills required in the job market	King Khalid University - Saudi Arabia
May 27 th , 2021.	Standards implementation and evaluation (teaching and learning).	King Khalid University - Saudi Arabia
March 1 st , 2021.	The role of academic counseling in the quality of the educational process	King Khalid University - Saudi Arabia
February 22 nd , 2021	Description of the program and courses.	King Khalid University - Saudi Arabia
November 9 th -18 th , 2020.	University counseling and online learning.	King Khalid University - Saudi Arabia
November 9 th -18 th , 2020.	Key Techniques for a Successful Counseling Session.	King Khalid University - Saudi Arabia

Research interests:

- Natural product drug discovery
- Extraction, fractionation, isolation, and purification of bioactive secondary metabolites with particular emphasis on anticancer and neurotoxic agents.
- Synthesis of natural product derivatives.

Teaching experience:

- PHG- 310: Basic of Natural Products
- PHG- 313: Phytochemistry I
- PHG- 411: Complementary and Alternative Medicine
- PHG- 516: Isolation and Identification of Natural Products
- PHG- 517: Alternative Medicine
- PHG- 518: Herbal Medicine
- 548PHTR-2: Research Project
- CPH619-4: Advanced Pharmacy Practice Experience

Professional membership:

Year	Name of the professional Body	Role
(2018 - 2020)	Golden Key International Honor Society	Member

Research grants:

Year/Duration of Grant	Title of the Project	Awarding Body
2022-2023	Isolation, Identification, derivatization and biological evaluation of natural products that possess potential anticancer activities	King Khalid University - Saudi Arabia
2021-2022	Synthesis, molecular docking studies and biological evaluation of small heterocyclic molecules having potential biological activities	King Khalid University - Saudi Arabia

Publications:

- 1- **Majrashi, T. A.**, Alshehri, S. A., Alsayari, A., Muhsinah, A. B., Alrouji, M., Alshahrani, A. M., Shamsi, A., & Atiya, A. (2023). Insight into the biological roles and mechanisms of phytochemicals in different types of cancer: Targeting cancer therapeutics. *Nutrients*, 15(7), 1704. <https://doi.org/10.3390/nu15071704>
- 2- Al-Warhi, T., Al-Karmalawy, A. A., Elmaaty, A. A., Alshubramy, M. A., Abdel-Motaal, M., **Majrashi, T. A.**, Asem, M., Nabil, A., Eldehna, W. M., & Sharaky, M. (2023). Biological evaluation, docking studies, and in silico ADME prediction of some pyrimidine and pyridine derivatives as potential EGFRWT and EGFR790M inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 38(1), 176-191. <https://doi.org/10.1080/14756366.2022.2135512>
- 3- Shaldam, M. A., Hendrychová, D., El-Haggar, R., Vojáčková, V., **Majrashi, T. A.**, Elkaeed, E. B., Masurier, N., Kryštof, V., Tawfik, H. O., & Eldehna, W. M. (2023). 2,4-diarylpyrimido[1,2-a]benzimidazole derivatives as novel anticancer agents endowed with potent anti-leukemia activity: Synthesis, biological evaluation and kinase profiling. *European Journal of Medicinal Chemistry*, 258, 115610-115610. <https://doi.org/10.1016/j.ejmech.2023.115610>
- 4- Rabie, O., El-Nashar, H. A. S., **Majrashi, T. A.**, Al-Warhi, T., El Hassab, M. A., Eldehna, W. M., & Mostafa, N. M. (2023). Chemical composition, seasonal variation and antiaging activities of essential oil from callistemon subulatus leaves growing in egypt. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 38(1), 2224944-2224944. <https://doi.org/10.1080/14756366.2023.2224944>
- 5- Rabie, O., El-Nashar, H. A. S., George, M. Y., **Majrashi, T. A.**, Al-Warhi, T., Hassan, F. E., Eldehna, W. M., & Mostafa, N. M. (2023). Phytochemical profiling and neuroprotective activity of callistemon subulatus leaves against cyclophosphamide-induced chemobrain. *Biomedicine & Pharmacotherapy*, 167, 115596-115596. <https://doi.org/10.1016/j.biopha.2023.115596>
- 6- **Majrashi, T. A.**, Sabt, A., Abd El Salam, Hayam A, Al-Ansary, G. H., Hamissa, M. F., & Eldehna, W. M. (2023). An updated review of fatty acid residue-tethered heterocyclic compounds: Synthetic strategies and biological significance. *RSC Advances*, 13(2), 13655-13682. <https://doi.org/10.1039/d3ra01368e>
- 7- Elewa, M. A. F., Eldehna, W. M., Hamdan, A. M. E., Abd El-kawi, S. H., El-Kalaawy, A. M., **Majrashi, T. A.**, Barghash, R. F., Abdel-Aziz, H. A., Hashem, K. S., & Al-Gayyar, M. M. H. (2023). WRH-2412 alleviates the progression of hepatocellular carcinoma through regulation

- of TGF- β / β -catenin/ α -SMA pathway. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 38(1), 2185761-2185761. <https://doi.org/10.1080/14756366.2023.2185761>
- 8- Badawi, W. A., Rashed, M., Nocentini, A., Bonardi, A., Abd-Alhaseeb, M. M., Al-Rashood, S. T., Veerakanellore, G. B., **Majrashi, T. A.**, Elkaeed, E. B., Elgendy, B., Gratteri, P., Supuran, C. T., Eldehna, W. M., & Elagawany, M. (2023). Identification of new 4-(6-oxopyridazin-1-yl)benzenesulfonamides as multi-target anti-inflammatory agents targeting carbonic anhydrase, COX-2 and 5-LOX enzymes: Synthesis, biological evaluations and modelling insights. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 38(1), 2201407-2201407. <https://doi.org/10.1080/14756366.2023.2201407>
- 9- El-Nashar, H. A. S., Sayed, A. M., El-Sherief, H. A. M., Rateb, M. E., Akil, L., Khadra, I., **Majrashi, T. A.**, Al-Rashood, S. T., Binjubair, F. A., El Hassab, M. A., Eldehna, W. M., Abdelmohsen, U. R., & Mostafa, N. M. (2023). Metabolomic profile, anti-trypanosomal potential and molecular docking studies of thunbergia grandifolia. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 38(1), 2199950-2199950. <https://doi.org/10.1080/14756366.2023.2199950>
- 10- Elkhawas, Y. A., Seleem, M., Shabayek, M. I., **Majrashi, T. A.**, Al-Warhi, T., Eldehna, W. M., & Mostafa, N. M. (2023). Phytochemical profiling and mechanistic evaluation of black garlic extract on multiple sclerosis rat model. *Journal of Functional Foods*, 111, 105900.

Conference attendance/presentations:

- The Annual Conference of Saudi International Pharmaceutical Sciences (SIPHA). Held on January 3-5th, 2023.
- **Majrashi AT**, Ashpole NM, Khan SI, Zulifqar F, Chittiboyina A, Ali Z, Khan I. Isolation and Structure Elucidation of Isoquinoline Alkaloids from *Asimina triloba* and Their Cytotoxicity and Neurotoxicity Evaluations. American Society of Pharmacognosy Meeting. Madison, USA. July 2019.
- **Majrashi AT**, Ashpole NM, Khan SI, Zulifqar F, Chittiboyina A, Ali Z, Khan I. Isolation and Structure Elucidation of Isoquinoline Alkaloids from *Asimina triloba* and Their Cytotoxicity and Neurotoxicity Evaluations. 19th International Conference on the Sciences of Botanicals. Oxford, MS, USA. Apr 09, 2019.
- Avula B, Bae J, **Majrashi TA**, Wu Y, Wu T, Wang Y, Wang M, Ali Z, Khan, I. A. Targeted and non-targeted analysis of annonaceous alkaloids and acetogenins from *Asimina* and *Annona* species using UHPLC-QToF-MS. 18th International Conference on the Sciences of Botanicals. Oxford, MS, USA. April 11, 2018.
- **Majrashi TA**, Ashpole NM, Khan SI, Ali Z, Khan I. Chemical and Biological Evaluations of *Asimina Triloba*. 21st School of Pharmacy Annual Poster Session. Oxford, MS, USA. Oct 6, 2017.
- **Majrashi TA**, Ali Z, Chittiboyina A, Khan I. Isoquinoline Alkaloids from *Asimina triloba*. 17th International Conference on the Sciences of Botanicals. Oxford, MS, USA. April 5, 2017.
- **Majrashi TA**, Ali Z, & Khan I. Isoquinoline Alkaloids from *Asimina triloba*. 20th School of Pharmacy Annual Poster Session. Oxford, MS, USA. Oct 7, 2016.