

Dr. Atif Ali Khan Khalil
Assistant Professor
Biological Sciences

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Specialization:

Phytochemistry/Pharmacognosy

Education:

PhD Pharmacy (2016–2019), College of Pharmacy, Gyeongsang National University, South Korea.

MS Pharmacy (2014–2016), College of Pharmacy, Gyeongsang National University, South Korea.

Pharm-D (2005–2010), Federal Urdu University of Arts Science and Technology, Karachi.

Experience:

Assistant Professor (February, 2020 – To date), National University of Medical Sciences, Rawalpindi, Pakistan.

Postdoc (September, 2019 – February, 2020), College of Pharmacy Gyeongsang National University, South Korea.

Hospital Pharmacist (June, 2011–February, 2014), Rehman Medical Institute, Peshawar.

Research Interests:

Natural Products, Drug Discovery, Isolation and Structure elucidation of secondary metabolites, Standardization of traditional herbal medicines using inner morphological and chemical characterization, Qualitative and Quantitative analysis of Natural compounds, Pharmacological Evaluation.

Publications:

1. Lina Tariq Al Kury, Fazli Dayyan, Fawad Ali Shah, Zulkifal Malik, ZU Abidin, **Atif Ali Khan Khalil**, Abdullah Alattar, Reem Alshaman, Amjad Ali, Zahid Khan. Hepatoprotective effects of *Ginkgo Biloba* Extract against Methotrexate Induced Hepatotoxicity in Rats. **Molecules. (2020)**
2. Kazi-Marjahan Akter, Hye-Jun Kim, Woo Sung Park, **Atif Ali Khan Khalil**, Mi-Jeong Ahn. Comparative Studies of *Fraxinus* Species from Korea Using Microscopic Characterization, Phytochemical Analysis, and Anti-Lipase Enzyme Activity. **Plants. (2020)**
3. **Atif Ali Khan Khalil**, Kazi-Marjahan Akter, Hye-Jun Kim, Woo Sung Park, Dong-Min Kang, Kyung Ah Koo, Mi-Jeong Ahn. Comparative inner morphological and chemical studies on *Reynoutria* species in Korea. **Plants. (2020)**

4. Jung-Hwa Kim, Atif Ali Khan Khalil, Hye-Jun Kim, Mi-Jeong Ahn. 2-methoxy-7-acetyljuglone isolated from *Reynoutria japonica* increases the activity of nuclear factor erythroid 2-related factor-2 through inhibition of ubiquitin degradation in HeLa cells. **Antioxidants. (2019)**
5. Woo Sung Park, Su-Jin Choe, Hye-Jun Kim, Atif Ali Khan Khalil, Kazi-Marjahan Akter, Mi-Jeong Ahn. Anatomical characterization and LC-MS profiling of *Adenophora* Species in Korea. **Brazilian Journal of Pharmacognosy. (2019)**
6. Lina T Al Kury, Alam Zeb, Zain Ul Abidin, Nadeem Irshad, Imran Malik, Arooj Mohsin Alvi, Atif Ali Khan Khalil, Sareer Ahmad, Muhammad Faheem, Arif-Ullah Khan, Fawad Ali Shah, Shupeng Li. Neuroprotective effects of melatonin and celecoxib against ethanol-induced neurodegeneration: a computational and pharmacological approach. **Drug Design, Development and Therapy. (2019)**
7. Atif Ali Khan Khalil, Woo Sung Park, Jeehoon Lee, Hye-Jun Kim, Kazi-Marjahan Akter, Young Min Goo, Je-Yeong Bae, Man-Seog Chun Jung-Hwa Kim, Mi-Jeong Ahn. A new anti-*Helicobacter pylori* juglone from *Reynoutria japonica*. **Archive of Pharmacal Research. (2019)**
8. Kazi-Marjahan Akter, Hye-Jun Kim, Atif Ali Khan Khalil, Woo Sung Park, Mi Kyeong Lee, Jong Hee Park, Mi-Jeong Ahn. Inner morphological and chemical differentiation of *Boehmeria* species. **Journal of Natural Medicine. (2018)**
9. Imran Khan, M.M.R Chowdhury, Seok-Hwan song, Ayman Mesalam, Shimin Zhang, Atif Ali Khan Khalil, Eun-Hee jung, Ju-Boong Kim, Laila Jafri, Bushra Mirza, Il Keun Kong. Lupeol supplementation improves the developmental competence of bovine embryos in vitro. **Theriogenology. (2017)**
10. Atif Ali Khan Khalil, Woo Sung Park, Hye-Jun Kim, KM Akter, Mi-Jeong Ahn. Anti-*Helicobacter pylori* compounds from *Polygonum cuspidatum*. **Natural Product Sciences. (2016)**

Accepted

11. Kazi-Marjahan Akter, Hye-Jun Kim, Woo Sung Park, Atif Ali Khan Khalil, Mi-Jeong Ahn. Anti-*Helicobacter pylori* activity of compounds isolated from *Fraxinus mandshurica* bark. **Natural Product Sciences. (Accepted)**

Patent

Atif Ali Khan Khalil, Woo Sung Park, Mi-Jeong Ahn. Anti-*Helicobacter pylori* composition comprising 2-alkoxy-6-acetyl-7-methyljuglone as an effective component. **Patent Number 10-1961641. 2019**