

## Dr. Abdul Sadiq

Associate Professor (Tenured)

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Pharmacy Council of Pakistan

**Registration No:**

**3003-A/2015-PC**

**DOB:** 12.04.1982

**Nationality:** Pakistani



### Academic Records

<b>Postdoctoral Research</b>	<b>Jacobs University Bremen, Germany</b>
<b>MS/PhD (Organic Chemistry/Organocatalysis)</b>	<b>Jacobs University Bremen, Germany</b>
<b>BS Pharmacy (16-years)</b>	<b>University of Malakand, Pakistan</b>

### Practical Experience

- **19<sup>th</sup> July 2018 to date:**  
Associate Professor (Tenured), Department of Pharmacy, University of Malakand, Pakistan.
- **14<sup>th</sup> Feb 2012 to 18<sup>th</sup> Jul 2018:**  
Assistant Professor, Department of Pharmacy, University of Malakand, Pakistan.
- **Sep2011-Dec2011:**  
Teaching Assistant with Professor T. C. Nugent, Jacobs University Bremen, Germany.
- **March2006-March2007:**  
Quality Control Analyst, NeoMedix Pharmaceuticals, Rawat, Islamabad, Pakistan.

### Research Interests

- Organocatalysis
- New methods for the asymmetric transformations
- Synthesis of chiral molecules and their biological importance
- Natural products research

### Supervision/Evaluation

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|--|----|----|
| ▪ PhD Students supervision                                   | 10 |    |
| ▪ M.Phil Students supervision                                | 16 |    |
| ▪ Number of Master Thesis evaluated (for other universities) |    | 22 |
| ▪ Number of M.Phil Thesis evaluated (for other universities) |    | 10 |

### Editorial Board memberships

- Guest Associate Editor in "Frontiers in Pharmacology" (IF 5.810).
- Review Editor in "Frontiers in Chemistry" (IF 5.221).
- Review Editor in "Frontiers in Pharmacology" (IF 5.810).
- Technical Editor in "International Journal of Pharmacology" (IF 0.751).
- Associate Editor in "BMC Complementary and Alternative Medicine" (IF 3.659)
- Academic Editor in "Evidence-Based Complementary and Alternative Medicine" (IF 2.629)

## **Distinctions/Awards**

- HEC Outstanding Research Award (Best Research Paper Award) **2019** from HEC, Pakistan.
- Research Productivity Award 2017 (**RPA-2017**) in the field of 'Pharmaceutical Sciences' by Pakistan Council for Science and Technology, Pakistan.
- PhD Fellowship Award under Faculty Development Program (FDP) sponsored by Higher Education Commission (HEC) of Pakistan via University of Malakand, Pakistan.
- Meritorious Award from ZJANS Pharmaceutical, Peshawar, Pakistan.

## **Research Grants (Total Funding Received ~21.2 M PKR)**

### **1) - Syntheses of New Derivatives of Succinimides (Anticonvulsant drugs)**

(Principal Investigator, Funding details: PD-IPFP/HRD/HEC/2013/1906; HEC Pakistan)

### **2) - Preliminary Phytochemical Screening and Pharmacological activities of Medical Plants of Pakistan.**

(Co-Principal Investigator, Funding details: PD-IPFP/HRD/HEC/2013/1936; HEC Pakistan)

### **3) - Amino acids promoted asymmetric Michael additions of carbonyls to maleimides.**

(Principal Investigator, Funding details: 22-1/HEC/R&D/PPCR/2018; HEC Pakistan)

### **4) - Synthesis of asymmetric succinimides with aldehyde functionality and its potential role in the treatment of inflammation**

(Principal Investigator, Funding details: 10562/KPK/NRPU/R&D/HEC/2017; HEC Pakistan)

### **5) – A combined ligand-and structure-based approach to design and synthesize novel AChE inhibition-based multi-target-directed ligands against Alzheimer's disease**

(Co-Principal Investigator, Funding details: HEC/R&D/NRPU/2017/8055; HEC Pakistan)

### **6) – Synthesis and analgesic studies on potent stereopure succinimide derivatives: Molecular docking supported in-vitro and in-vivo analgesic mechanism with possible prediction of pharmacokinetics and metabolism**

(International Collaborator, Project No. NU/MID/17/046; Ministry of Higher Education, KSA)

### **7) – Evaluation of anti-inflammatory potential of ketoesters derivatives of succinimides with possible prediction of mechanism**

(International Collaborator, Project No. NU/MID/17/047; Ministry of Higher Education, KSA)

### **8) – Chemical composition and neuroinflammatory potential of *Habenaria digitate***

(International Collaborator, Project No. NU/MID/17/223; Ministry of Higher Education, KSA)

### **9) – Anti-angiogenic and antitumor assays on progesterone and testosterone derivatives**

(International Collaborator, Project No. NU/MID/17/109; Ministry of Higher Education, KSA)

10) – **Synthesis of aldol products as potential multi-targets neuro-inflammatory agents**

(International Collaborator, Project No. NU/MID/17/222; Ministry of Higher Education, KSA)

11) – **Evaluations of Synthetically Designed & Synthesized Compounds and Natural Products for Vital Biological Targets: The Basic Tools for Drug Discovery**

(Principal Investigator, Project No. NU-IF/INT/01/006; Ministry of Education, KSA)

### **Edited Book**

- Muhammad Ayaz, Tahir Ali, Abdul Sadiq, Farhat Ullah and Myeong Ok Kim: **Natural Products-Based Drugs: Potential Therapeutics against Alzheimer's Disease and other Neurological Disorders**. *Frontiers*, **2020**, ISSN 1664-8714, ISBN 978-2-88963-348-7, DOI 10.3389/978-2-88963-348-7

### **Special Issues**

- **Natural Products-Based Drugs: Potential Therapeutics against Alzheimer's Disease and other Neurological Disorders**. *Frontiers in Pharmacology*, **(Completed)**
- **Current trends in medicinal plant research and neurodegenerative disorders**. *Frontiers in Pharmacology*, **(Open for submission)**

### **Books/Book Chapters**

- Muhammad Ayaz, Muhammad Ovais, Irshad Ahmad, **Abdul Sadiq**, Ali Talha Khalil and Farhat Ullah: **Biosynthesized metal nanoparticles as potential Alzheimer's disease therapeutics**. *Elsevier*, **2019**, *1*, 32-41.

## **PUBLICATIONS**

(Total Citations = 2746, h-index = 32, i10-index = 68)

### **2011**

1. Thomas C. Nugent\*, Daniela E. Negru, Mohamed El-Shazly, Dan Hu, **Abdul Sadiq**, Ahtaram Bibi and Muhammad Naveed Umar: **Sequential reductive amination-hydrogenolysis: a one-pot synthesis of challenging chiral primary amines**. *Advanced Synthesis & Catalysis*, **2011**, *353*, 2085-2092. **(IF 5.837, Q1)**

### **2012**

2. Thomas C. Nugent\*, **Abdul Sadiq**, Ahtaram Bibi, Thomas Heine, Lei Liu Zeonjuk, Nina Vankova, and Bassem S. Bassil: **Noncovalent bifunctional organocatalysts: powerful tools for contiguous quaternary-tertiary stereogenic carbon formation, scope, and origin of enantioselectivity**. *Chemistry-A European Journal*, **2012**, *18*, 4088-4098. **(IF 5.236, Q1)**
3. Thomas C. Nugent\*, Ahtaram Bibi, **Abdul Sadiq**, Mohammad Shoaib, M. Naveed Umar and Foad N. Tehrani: **Chiral picolylamines for michael and aldol reactions: probing substrate boundaries**. *Organic & Biomolecular Chemistry*, **2012**, *10*, 9287-9294. **(IF 3.876, Q1)**

4. Syed Muhammad Mukarram Shah, Farhat Ullah\*, Syed Muhammad Hassan Shah, Mohammad Zahoor and **Abdul Sadiq**: **Analysis of chemical constituents and antinociceptive potential of essential oil of *Teucrium stocksianum* Bioss collected from the North West of Pakistan.** *BMC Complementary & Alternative Medicine*, **2012**, *12*, 244. (IF 3.659, Q1)

#### 2014

5. Muhammad Ayaz\*, Muhammad Junaid, Jawad Ahmad, Farhat Ullah, **Abdul Sadiq**, Sajjad Ahmad and Muhammad Imran: **Phenolic contents, antioxidant and anticholinesterase potentials of crude extract, subsequent fractions and crude saponins from *Polygonum hydropiper* L.** *BMC Complementary & Alternative Medicine*, **2014**, *14*, 145. (IF 3.659, Q1)
6. Syed Muhammad Mukarram Shah, **Abdul Sadiq\***, Syed Muhammad Hassan Shah and Farhat Ullah: **Antioxidant, total phenolic contents and antinociceptive potential of *Teucrium stocksianum* methanolic extract in different animal models.** *BMC Complementary & Alternative Medicine*, **2014**, *14*, 181. (IF 3.659, Q1)
7. Anwar Zeb, **Abdul Sadiq\***, Farhat Ullah, Sajjad Ahmad and Muhammad Ayaz: **Phytochemical and toxicological investigations of crude methanolic extracts, subsequent fractions and crude saponins of *Isodon rugosus*.** *Biological Research*, **2014**, *47*, 57. (IF 5.612, Q2)
8. Muhammad Ayaz\*, Muhammad Junaid, Fazal Subhan, Farhat Ullah, **Abdul Sadiq**, Sajjad Ahmad, Muhammad Imran, Zul Kamal, Sajid Hussain and Syed Majid Shah: **Heavy metals analysis, phytochemical, phytotoxic and anthelmintic investigations of crude methanolic extract, subsequent fractions and crude saponins from *Polygonum hydropiper* L.** *BMC Complementary & Alternative Medicine*, **2014**, *14*, 465. (IF 3.659, Q1)
9. Syed Muhammad Mukarram Shah, **Abdul Sadiq\***, Syed Muhammad Hassan Shah and Shahzeb Khan: **Extraction of saponins and toxicological profile of *Teucrium stocksianum* Bioss extracts collected from district Swat, Pakistan.** *Biological Research*, **2014**, *47*, 65. (IF 5.612, Q2)
10. Anwar Zeb, **Abdul Sadiq\***, Farhat Ullah, Sajjad Ahmad and Muhammad Ayaz: **Investigations of anticholinesterase and antioxidant potentials of methanolic extract, subsequent fractions, crude saponins and flavonoids isolated from *Isodon rugosus*.** *Biological Research*, **2014**, *47*, 76. (IF 5.612, Q2)
11. Muhammad Imran, Farhat Ullah, **Abdul Sadiq**, Muhammad Ayaz\*, Sajjad Ahmad, Zul Kamal and Anwar Zeb: **Investigation of total phenolic contents, antibacterial, antifungal and anthelmintic potentials of crude methanolic extract, subsequent fractions and crude saponins of *Nonea micrantha* boiss. & reut.** *PharmacologyOnline*, **2014**, *3*, 26-31. (IF 0.410)
12. Sayed Muhammad Mukarram Shah, **Abdul Sadiq\***: **Biological activities of crude saponins, methanolic extract and sub fractions of *Teucrium stocksianum* Bioss collected from North West of Pakistan.** *PharmacologyOnline*, **2014**, *3*, 145-152. (IF 0.410)

#### 2015

13. Syed Muhammad Hassan Shah, Syed Muhammad Mukarram Shah\*, Zakia Ahmad, Muhammad Yaseen, Raza Shah, **Abdul Sadiq**, Shahzeb Khan and Burhan Khan: **Phytochemicals, *in vitro* antioxidant, total phenolic contents and phytotoxic activity of *Cornus macrophylla*, Wall bark collected from the North-West of Pakistan.** *Pakistan Journal of Pharmaceutical Sciences*, **2015**, *28*, 23-28. (IF 0.684, Q4)

14. Haroon Rahim\*, Mir Azam Khan, **Abdul Sadig**, Shahzeb Khan, Kamran Ahmad Chishti and Inayat Ur Rahman: **Comparative studies of binding potential of *Prunus armeniaca* and *Prunus domestica* gums in tablets formulations.** *Pakistan Journal of Pharmaceutical Sciences*, **2015**, *28*, 909-914. (IF 0.684, Q4)
15. Sajjad Ahmad, Farhat Ullah, Muhammad Ayaz\*, **Abdul Sadig** and Muhammad Imran: **Antioxidant and anticholinesterase investigations of *Rumex hastatus* D. Don: Potential effectiveness in oxidative stress and neurological disorders.** *Biological Research*, **2015**, *48*, 20. (IF 5.612, Q2)
16. Zul Kamal, Farhat Ullah, Muhammad Ayaz\*, **Abdul Sadig**, Sajjad Ahmad, Muhammad Imran, Anwar Zeb and Abid Hussain: **Anticholinesterase and antioxidant investigations of crude extracts, subsequent fractions, saponins and flavonoids of *Atriplex laciniata* L.: Potential effectiveness in Alzheimer's and other neurological disorders.** *Biological Research*, **2015**, *48*, 21. (IF 5.612, Q2)
17. **Abdul Sadig\***, Fawad Mahmood, Farhat Ullah, Muhammad Ayaz, Sajjad Ahmad, Faizan Ul Haq, Ghazan Khan and Muhammad Saeed Jan: **Synthesis, anticholinesterase and antioxidant potentials of ketoesters derivatives of succinimides: A possible role in the management of Alzheimer's.** *Chemistry Central Journal*, **2015**, *9*, 31. (IF 4.215, Q2)
18. Mohammad Nisar, Syed Muhammad Mukarram Shah\*, Imran Khan, Sheema, **Abdul Sadig**, Shahzeb Khan and Syed Muhammad Hassan Shah: **Larvicidal, insecticidal, brine shrimp cytotoxicity and anti-oxidant activities of *Diospyros kaki* (L.) reported from Pakistan.** *Pakistan Journal of Pharmaceutical Sciences*, **2015**, *28*, 1239-1243. (IF 0.684, Q4)
19. Muhammad Ayaz\*, Fazal Subhan, Jawad Ahmed, Arif-ullah Khan, Farhat Ullah, **Abdul Sadig**, Nawazish-i-Husain Syed, Ihsan Ullah and Sajid Hussain: **Citalopram and Venlafaxine differentially augments antimicrobial properties of antibiotics.** *Acta Poloniae Pharmaceutica-Drug Research*, **2015**, *72*, 1269-1278. (IF 0.330, Q4)
20. Sayed Muhammad Mukarram Shah\*, **Abdul Sadig** and Farah Gul: **Antibacterial potential of methanolic extracts and sub-fractions of *Teucrium stocksianum* Bross collected from Malakand Division, Pakistan.** *PharmacologyOnline*, **2015**, *1*, 8-12. (IF 0.410)
21. Sajjad Ahmad, Farhat Ullah, Muhammad Ayaz\*, **Abdul Sadig**, Anwar Zeb and Muhammad Imran: **Pharmacological evaluation of saponins, methanolic extract and subsequent fractions of *Rumex hastatus* D. Don against *Monomorium pharaonis* and *Heterotermes indicola*.** *PharmacologyOnline*, **2015**, *1*, 13-18. (IF 0.410)
22. Muhammad Ayaz\*, Muhammad Junaid, Farhat Ullah, **Abdul Sadig**, Mir Azam Khan, Waqar Ahmad, Muhammad Raza Shah, Muhammad Imran and Sajjad Ahmad: **Comparative chemical profiling, cholinesterase inhibitions and anti-radicals properties of essential oils from *Polygonum hydropiper* L: A preliminary anti-Alzheimer's study.** *Lipids in Health and Disease*, **2015**, *14*, 141. (IF 3.876, Q3)
23. Zul Kamal\*, Midrarullah, Sajjad Ahmad, Farhat Ullah, **Abdul Sadig**, Muhammad Ayaz, Anwar Zeb and Muhammad Imran: **Ex-Vivo antibacterial, phytotoxic and cytotoxic potential in the crude natural phytoconstituents of *Rumex hastatus* D. Don.** *Pakistan Journal of Botany*, **2015**, *47(SI)*, 293-299. (IF 0.972, Q4)

## 2016

24. Farhat Ullah, Muhammad Ayaz\*, **Abdul Sadig**, Abid Hussain, Sajjad Ahmad, Muhammad Imran and Anwar Zeb: **Phenolic, flavonoid contents, anticholinesterase**

- and antioxidant evaluation of *Iris germanica* var; florentina. *Natural Product Research*, 2016, 30 (12), 1440-1444. (IF 2.861, Q2)
25. Sajjad Ahmad, Farhat Ullah\*, **Abdul Sadiq**, Muhammad Ayaz, Muhammad Imran, Imdad Ali, Anwer Zeb, Farman Ullah and Muhammad Raza Shah: **Chemical composition, antioxidant and anticholinesterase potentials of essential oil of *Rumex hastatus* D. Don collected from the North West of Pakistan.** *BMC Complementary and Alternative Medicine*, 2016, 16, 29. (IF 3.659, Q1)
  26. Sajjad Ahmad, Farhat Ullah, Muhammad Ayaz, Anwar Zeb, Farman Ullah and **Abdul Sadiq\***: **Antitumor and anti-angiogenic potentials of isolated crude saponins and various fractions of *Rumex hastatus* D. Don.** *Biological Research*, 2016, 49, 18. (IF 5.612, Q2)
  27. Syed Muhammad Hassan Shah, Farhat Ullah, Shahzeb Khan, Syed Muhammad Mukarram Shah and **Abdul Sadiq**: **Combination precipitation ultrasonication approach for fabrication for stable artemisinin nanosuspension.** *American-Eurasian Journal of Agriculture & Environmental Sciences*, 2016, 16, 390-401.
  28. Muhammad Ayaz\*, Muhammad Junaid, Farhat Ullah, **Abdul Sadiq**, Fazal Subhan, Mir Azam Khan, Waqar Ahmad, Gowhar Ali, Muhammad Imran and Sajjad Ahmad: **Molecularly characterized solvent extracts and saponins from *Polygonum hydropiper* L show high anti-angiogenic, anti-tumor, brine shrimp and fibroblast NIH/3T3 cell line cytotoxicity.** *Frontiers in Pharmacology*, 2016, 7, 74. (IF 5.810, Q1)
  29. Muhammad Imran, Muhammad Raza Shah\*, Farhat Ullah, Shafi Ullah, Abdelbary M. A. Elhissi, Waqas Nawaz, Farid Ahmad, **Abdul Sadiq** and Imdad Ali: **Glycoside-based niosomal nanocarrier for enhanced in-vivo performance of Cefixime.** *International Journal of Pharmaceutics*, 2016, 505, 122-132. (IF 5.875, Q1)
  30. Nawab Ali\*, Nimat Ullah, Muhammad Qasim, Hazir Rahman, Shahid Niaz Khan, **Abdul Sadiq** and Muhammad Adnan: **Molecular characterization and growth optimization of halo-tolerant protease producing *Bacillus subtilis* strain BLK-1.5 Isolated from salt mines of Karak, Pakistan.** *Extremophiles*, 2016, 20, 395-402. (IF 2.395, Q3)
  31. Anwar Zeb, Sajjad Ahmad, Farhat Ullah, Muhammad Ayaz and **Abdul Sadiq\***: **Anti-nociceptive activity of ethnomedicinally important analgesic plant *Isodon rugosus* Wall. ex Benth: Mechanistic study and identifications of bioactive compounds.** *Frontiers in Pharmacology*, 2016, 7, 200. (IF 5.810, Q1)
  32. Sajjad Ahmad, Farhat Ullah, Anwar Zeb, Muhammad Ayaz, Farman Ullah and **Abdul Sadiq\***: **Evaluation of *Rumex hastatus* D. Don for cytotoxic potential against HeLa and NIH/3T3 cell lines: chemical characterization of chloroform fraction and identification of bioactive compounds.** *BMC Complementary and Alternative Medicine*, 2016, 16, 308. (IF 3.659, Q1)
  33. Haroon Rahim\*, **Abdul Sadiq**, Shahzeb Khan, Kamran Ahmad Chishti, Fazli Amin, Mir Azam Khan and Sudhair Abbas: **Isolation and preliminary evaluation of *Mulva neglecta* mucilage: a novel tablet binder.** *Brazilian Journal of Pharmaceutical Sciences*, 2016, 52, 1. (IF 1.321, Q4)
  34. Sufyan Ahmad, Fatima Iftikhar, Farhat Ullah, **Abdul Sadiq** and Umer Rashid\*: **Rational design and synthesis of dihydropyrimidine based dual binding site acetylcholinesterase inhibitors.** *Bioorganic Chemistry*, 2016, 69, 91-101. (IF 5.275, Q1)
  35. **Abdul Sadiq\***, Sadiq Ahmad, Rahmat Ali, Fawad Ahmad, Sajjad Ahmad, Anwar Zeb, Muhammad Ayaz, Farhat Ullah and Abu Nasar Siddique: **Antibacterial and antifungal potentials of the solvent extracts from *Eryngium caeruleum*, *Notholirion***

*thomsonianum* and *Allium consanguineum*. *BMC Complementary and Alternative Medicine*, 2016, 16, 478. (IF 3.659, Q1)

36. Muhammad Imran, Muhammad Raza Shah\*, Farhat Ullah, Shafi Ullah, Abdelbary M. A. Elhissi, Waqas Nawaz, Farid Ahmad, **Abdul Sadiq** and Imdad Ali: **Sugar-based novel niosomal nanocarrier system for enhanced oral bioavailability of Levofloxacin**. *Drug Delivery*, 2016, 23, 3653-3664. (IF 6.419, Q1)
37. Muhammad Ayaz\*, Muhammad Junaid, Farhat Ullah, **Abdul Sadiq**, Muhammad Ovais, Waqar Ahmad, Sajjad Ahmad and Anwar Zeb: **Chemical profiling of bioactive compounds, antimicrobial and insecticidal evaluations of *Polygonum hydropiper* L.** *BMC Complementary and Alternative Medicine*, 2016, 16, 502. (IF 3.659, Q1)

## 2017

38. Muhammad Ayaz\*, Fazal Subhan, **Abdul Sadiq**, Farhat Ullah, Jawad Ahmad and Robert D. E. Sewell: **Cellular efflux transporters and the potential role of natural products in combating efflux mediated drug resistance**. *Frontiers in Biosciences*, 2017, 22, 732-756. (IF 4.009, Q3)
39. Muhammad Sarfaraz, Nargis Sultana, Umer Rashid\*, Muhammad Safwan Akram, **Abdul Sadiq** and Muhammad Ilyas Tariq: **Synthesis, biological evaluation and docking studies of 2,3-dihydroquinazolin-4(1H)-one derivatives as inhibitors of cholinesterases**. *Bioorganic Chemistry*, 2017, 70, 237-244. (IF 5.275, Q1)
40. Farhat Ullah, Naveed Iqbal, Muhammad Ayaz\*, **Abdul Sadiq**, Ihsan Ullah, Sajjad Ahmad and Muhammad Imran: **DPPH, ABTS free radical scavenging, antibacterial and phytochemical evaluation of crude methanolic extract and subsequent fractions of *Chenopodium botrys* aerial parts**. *Pakistan Journal of Pharmaceutical Sciences*, 2017, 30, 761-766. (IF 0.684, Q4)
41. Nargis Sultana, Muhammad Sarfaraz, Saba Tahir, Muhammad Safwan Akram, **Abdul Sadiq**, Umer Rashid\* and Muhammad Ilyas Tariq: **Synthesis, Crystal structure determination, biological screening and docking studies of N1-substituted derivatives of 2,3-dihydroquinazolin-4(1H)-one as inhibitors of cholinesterases**. *Bioorganic Chemistry*, 2017, 72, 256-267. (IF 5.275, Q1)
42. Muhammad Ayaz\*, **Abdul Sadiq**, Muhammad Junaid, Farhat Ullah, Fazal Subhan and Jawad Ahmad: **Neuroprotective and anti-Aging Potentials of Essential Oils from Aromatic and Medicinal Plants**. *Frontiers in Aging Neuroscience*, 2017, 9, 168. (IF 5.750, Q1)
43. Muhammad Umar Khayam Sahibzada, **Abdul Sadiq**, Shahzeb Khan\*, Hani S Faidah, Naseemullah, Muhammad Khurram, Muhammad Usman Amin and Abdul Haseeb: **Fabrication, characterization and in vitro evaluation of silibinin nanoparticles: an attempt to enhance its oral bioavailability**. *Drug Design, Development and Therapy*, 2017, 11, 1453. (IF 4.162, Q2)
44. Mumtaz Ali\*, Sultan Muhammad, Muhammad Raza Shah, Ajmal Khan, Umar Farooq, Umar Rashid, Farhat Ullah, **Abdul Sadiq**, Muhammad Ayaz, Manzoor Ahmad and Abdul Latif: **Neurologically potent molecules from *Crataegus oxyantha*; isolation, anticholinesterase inhibition and molecular docking**. *Frontiers in Pharmacology*, 2017, 8, 327. (IF 5.810, Q1)
45. Anwar Zeb, Farhat Ullah, Muhammad Ayaz, Sajjad Ahmad and **Abdul Sadiq\***: **Demonstration of biological activities of extracts from *Isodon rugosus* Wall. Ex Benth. Separation and identification of bioactive phytoconstituents by GC-MS analysis in the ethyl acetate extract**. *BMC Complementary and Alternative Medicine*, 2017, 17, 284. (IF 3.659, Q1)

46. Muhammad Ayaz\*, Muhammad Junaid, Farhat Ullah, Abdul Sadiq, Muhammad Shahid, Waqar Ahmad, Ihsan Ullah, Ashfaq Ahmad and Nawazish-i-Husain Syed: **GC-MS analysis and gastroprotective evaluations of crude extracts, isolated saponins and essential oil from *Polygonum hydropiper* L.** *Frontiers in Chemistry*, **2017**, *5*, 58. (IF 5.221, Q2)
47. Haroon Rahim, Abdul Sadiq\*, Shahzeb Khan, Mir Azam Khan, Syed Muhammad Hassan Shah, Zahid Hussain, Riaz Ullah, Abdelaaty Abdelaziz Shahat and Khalid Ibrahim: **Aceclofenac Nanocrystals with enhanced *in-vitro*, *in-vivo* performance: Formulation Optimization, Characterization, Analgesic and Acute Toxicity Studies.** *Drug Design, Development and Therapy*, **2017**, *11*, 2443. (IF 4.162, Q2)
48. Zul Kamal, Farhat Ullah, Sajjad Ahmad, Muhammad Ayaz\*, Abdul Sadiq, Muhammad Imran, Shujat Ahmad, Faiz Ur Rahman and Awar Zeb: **Saponins and solvent extracts from *Atriplex laciniata* (L.) show high anthelmintic and insecticidal activity.** *Journal of Traditional Chinese Medicine*, **2017**, *37*, 1-2. (IF 0.848, Q4)
49. Muhammad Imran, Muhammad Raza Shah\*, Farhat Ullah, Shafi Ullah, Abdul Sadiq, Imdad Ali, Farid Ahmed and Waqas Nawaz: **Double-tailed acyl glycoside niosomal nanocarrier for enhanced oral bioavailability of Cefixime.** *Artificial Cells, Nanomedicine, and Biotechnology*, **2017**, *45*, 1440-1450. (IF 5.678, Q2)
50. Muhammad Ayaz\*, Muhammad Junaid, Farhat Ullah, Fazal Subhan, Abdul Sadiq, Gowhar Ali, Muhammad Ovais, Muhammad Shahid, Ashfaq Ahmad, Abdul Wadud, Mohamed El-Shazly, Nisar Ahmad and Sajjad Ahmad: **Anti-Alzheimer's studies on  $\beta$ -sitosterol isolated from *Polygonum hydropiper* L.** *Frontiers in Pharmacology*, **2017**, *8*, 697. (IF 5.810, Q1)
51. Muhammad Imran, Farhat Ullah\*, Muhammad Ayaz, Abdul Sadiq, Muhammad Raza Shah, Muhammad Saeed Jan and Farman Ullah: **Anticholinesterase and antioxidant potentials of *Nonea micrantha* Bioss. & Reut along with GC-MS analysis.** *BMC Complementary and Alternative Medicine*, **2017**, *17*, 499 (IF 3.659, Q1)
52. Fawad Mahmood, Muhammad Saeed Jan, Sajjad Ahmad, Umer Rashid, Muhammad Ayaz, Farhat Ullah, Fida Hussain, Ashfaq Ahmad, Arif Ullah Khan and Muhammad Aasim and Abdul Sadiq\*: **Ethyl 3-oxo-2-(2,5-dioxopyrrolidin-3-yl)butanoate derivatives: Anthelmintic and cytotoxic potentials, antimicrobial and docking studies.** *Frontiers in Chemistry*, **2017**, *5*, 119 (IF 5.221, Q2)

## 2018

53. Sahibzada Muhammad Umar Khayam, Abdul Sadiq\*, Hani S Faidah, Muhammad Khurram, Muhammad Usman Amin, Abdul Haseeb and Maria Kakar: **Berberine nanoparticles with enhanced *in vitro* bioavailability: characterization and antimicrobial activity.** *Drug Design, Development and Therapy*, **2018**, *12*, 303-312. (IF 4.162, Q2)
54. Muafia Jabeen, Sajjad Ahmad, Khadija Shahid, Abdul Sadiq\* and Umer Rashid: **Ursolic Acid Hydrazide Based Organometallic Complexes: Synthesis, Characterization, Antibacterial, Antioxidant and Docking Studies.** *Frontiers in Chemistry*, **2018**, *6*, 55. (IF 5.221, Q2)
55. Muafia Jabeen, Muhammad Iqbal Choudhry, Ghulam Abbas Miana, Khondaker Miraz Rahman, Umer Rashid, Hidayat-ullah Khan, Arshia and Abdul Sadiq\*: **Synthesis, pharmacological evaluation and docking studies of progesterone and testosterone derivatives as anticancer agents.** *Steroids*, **2018**, *136*, 22-31. (IF 2.668, Q4)
56. Abdul Sadiq\*, Anwar Zeb, Farhat Ullah, Sajjad Ahmad, Muhammad Ayaz, Umer Rashid and Noor Muhammad: **Chemical characterization, analgesic, antioxidant, and**



**anticholinesterase potentials of essential oils from *Isodon rugosus* Wall. ex. Benth.** *Frontiers in Pharmacology*, 2018, 9, 623. (IF 5.810, Q1)

57. Muhammad Zahoor\*, Sadaf Shafiq, Habib Ullah, **Abdul Sadiq** and Farhat Ullah: **Isolation of quercetin and mandelic acid from *Aesculus indica* fruit and their biological activities.** *BMC Biochemistry*, 2018, 19, 5. (IF 4.059, Q4)
58. Haroon Rahim, **Abdul Sadiq**, Shahzeb Khan, Mir Azam Khan, Fazli Amin, Naeem Ullah Jan Muhammad Shahid, Muhammad Kifayatullah, Nasir Ali, Kamran Ahmad Chishti and Nadir Zaman Khan: ***Prunus armeniaca* and *Prunus domestica* Gums: Exploring their synergistic binding potential in tablets.** *Latin American Journal of Pharmacy*, 2018, 1672-83. (IF 0.249, Q4)
59. Huma Aslam, Arif-ullah Khan, Humaira Naureen, Fawad Ali, Farhat Ullah and **Abdul Sadiq**: **Potential application of *Conyza canadensis* (L) Cronquist in the management of diabetes: in vitro and in vivo evaluation.** *Tropical Journal of Pharmaceutical Research*, 2018, 17, 1287-93 (IF 0.533, Q4)
60. Fatima Iftikhar, Farhana Yaqoob, Nida Tabassum, Muhammad Saeed Jan, **Abdul Sadiq**, Saba Tahir, Tahira Batool, Basit Niaz, Farzana Latif Ansari, Muhammad Iqbal Chaudhary and Umer Rashid: **Design, synthesis, in-vitro thymidine phosphorylase inhibition, in-vivo antiangiogenic and in-silico studies of C-6 substituted dihydropyrimidines.** *Bioorganic Chemistry*, 2018, 80, 99-111. (IF 5.275, Q1)
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## 2019

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### Organizing role in Conferences

- 1<sup>st</sup> National Conference on “Emerging Trends in Pharmaceutical Sciences”, 9-11 Oct, **2017**, University of Malakand, Pakistan.
- International Conference on “Chemical & Pharmaceutical Sciences: Recent Approaches in Research and Applications”, 17-19 Jan, **2018**, Forman Christian College University, Lahore, Pakistan.
- Member of Scientific Committee of "Pharmacology & Toxicology" in 3<sup>rd</sup> Asian Conference on Science, Technology & Medicine (ACSTM) to be held in Dubai, UAE, February 12-14, **2019**.

### Invited Speaker in Conferences

- 1<sup>st</sup> Invention to Innovation Summit in Haripur University, Oct **2015**, Pakistan.
- 3<sup>rd</sup> Invention to Innovation Summit in University of Engineering and Technology, Peshawar, Nov, **2017**, Pakistan.
- 2<sup>nd</sup> International Conference on “Recent Innovations in Pharmaceutical Sciences”, 15-16 Nov, **2017**, Riphah Institute of Pharmaceutical Sciences, Islamabad, Pakistan.
- 1<sup>st</sup> International Conference on "Advances in Drug Discovery and Development", 3-5 Jan **2018**, Department of Biochemistry, Abdul Wali Khan University Mardan, Pakistan.

- International Conference on **“Chemical & Pharmaceutical Sciences: Recent Approaches in Research and Applications”**, 17-19 Jan, **2018**, Forman Christian College University, Lahore, Pakistan.
- International conference on **"Microbiology & Molecular Genetics"** 7-9 February, **2018**, Department of Microbiology & Molecular Genetics (MMG), University of the Punjab, Lahore, Pakistan.
- 1st National Conference on **"Recent Innovations in Medicinal Chemistry and Biochemistry"** 20-22 February, 2018, Department of Chemistry, University of Science & Technology Bannu, Bannu, KP, Pakistan.
- 1<sup>st</sup> International Conference on **"Strategies for Therapeutics, Control and Prevention of Dengue and other Infectious Diseases in Pakistan"**, 1-2 Mar **2018**, University of Swabi, Pakistan.
- 3<sup>rd</sup> Asian Conference on Science, Technology & Medicine (ACSTM) to be held in Dubai, UAE, February 12-14, 2019.

#### **Best Poster Awards in Conferences**

- Ashfaq Ahmad, Farhat Ullah, Muhammad Ayaz, Abdul Sadiq\*: **Synthesis, cholinesterases inhibitions and antioxidant evaluation of aldehyde derivatives of succinimides**. 1<sup>st</sup> National Conference on Emerging Trends in Pharmaceutical Sciences, 9-11 Oct, **2017**, University of Malakand, Pakistan.
- Fawad Mahmood, Muhammad Saeed Jan, Umar Rashid, Sajjad Ahmad, Farhat Ullah, Muhammad Ayaz, Farman Ullah, Kamran Ahmad Chishti, Muhammad Aasim, Muafia Jabeen and Abdul Sadiq\*: **Synthesis, in-vitro and in-silico antibacterial, cytotoxic and anthelmintic studies on Ethyl 3-oxo-2-(2,5-dioxopyrrolidin-3-yl)butanoate derivatives**. International Conference on **“Chemical & Pharmaceutical Sciences: Recent Approaches in Research and Applications”**, 17-19 Jan, **2018**, Forman Christian College University, Lahore, Pakistan.
- Ashfaq Ahmad, Farhat Ullah, Abdul Sadiq\*, Muhammad Ayaz, Kamran Ahmad Chishti: **Neuropharmacological and anticancer potentials of newly synthesized Aldehyde derivatives of Succinimides**. International Conference on **"Exploring New Avenues for Pharmacy Profession"** 12-13 Feb, **2018**, BZU, Multan, Pakistan

#### **References**

**Can you provided upon request**