

List of Research Publications (Last 5 Years)

Prof. Dr. Shamim Akhtar

1. SarwatJahan, ShamimAkhtar, ArfaKamil, NousheenMushtaq, Z.S. Saify and MuhammedArif. "Analgesic activity of alkyl piperidine derivatives". *Pak. J. Pharm. Sci.* 29(1): 2016, pp. 77-82.
2. RabyaMunawar, NousheenMushtaq, •SadiaArif, Ahsaan Ahmed, ShamimAkhtar, SumairaAnsari, SadiaMeer, Zafar S Saify, Muhammad Arif, "Synthesis of 9-Aminoacridine Derivatives as Anti-Alzheimer Agents" *American Journal of Alzheimer s Disease and Other Dementias*, 2015, 1-7
3. SabahatNaeem, · ShamimAkhtar, · Nadia Asghar, · Sikarder Khan Sherwani, · NousheenMushtaq, · ArfaKamil, · ShaistaZafar, · Mohammad Arif and · ZafarSaeedSaify. Antimicrobial and antioxidant screening of N'-substituted sulphonyl and benzoyl derivatives of 4-Pyridine carboxylic acid hydrazide. *Pak J. Pharm Sci* 28(6): 2015, 2129-2134
4. S. Akhtar · S. Noureen · Z.S. Saify · S. Jahan · K.M. Khan · F. Rahim · M. Taha · N. Mushtaq · M. Arif · S. Perveen · M.I. Chaudhary "2-(2'-pyridyl) benzimidazole analogs and their β -glucuronidase inhibitory activity" *Journal of the Chemical Society of Pakistan*. 2015, 37 (4) 787-791
5. Z. S. Saify, ArfaKamil, ShamimAkhtar, M. Taha, Ajmal Khan, K.M. Khan, SarwatJahan, Fazal Rahim, ShehnazPerveen, M. IqbalChoudhary. "Synthesis of 2-(2'-Pyridyl) benzimidazole derivatives and their Urease inhibitory activity". *Medicinal Chemistry Research*, May 2014 (On-line available).
6. AzraRauf, ShamimAkhtar, SabahatNaeem, NousheenMushtaq and Muhammad Arif. "Synthesis and Pharmacological evaluation of novel Benzoyl derivatives of Piperidine-4-carboxamide. *IJRPC* , 4(3), 2014 pp. 509-516
7. SabahatNaeem, ShamimAkhtar, NousheenMushtaq, ArfaKamil, IffatMehmood, ShaistaZafar, MuhammadArif and Z. S. Saify. "Analgesic and anxiolytic evaluation of N-substituted arylsulphonyl and benzoyl derivatives of 4-Pyridine-carboxylic acid hydrazide". *FUUAST Journal of Biology* 2014; 4(2):123-126.
8. AzraRauf, ShamimAkhtar, SabahatNaeem, NousheenMushtaq and Muhammad Arif. "Synthesis and Pharmacological evaluation of novel Benzoyl derivatives of Piperidine-4-carboxamide". *IJRPC* , 4(3), 2014 pp. 509-516
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10. ShaistaZafar, ShamimAkhtar, Talat Tariq, NousheenMushtaq, Ahsaan Ahmed, Muhammad Arif and Sana Anwar. "Determination of pKa values of new phenacyl-piperidine derivatives by potentiometric titration method in aqueous medium at room temperature (25±0.5oC)". *Pak. J.Pharm .Sci.* 27 (4) 2014 pp 925-929.
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14. ArfaKamil, ShamimAkhtar, SarwatJahan, AneelaKarim, KiranRafiq, Sohail Hassan. "Benzimidazole Derivatives: Active Class of Antioxidants". *International Journal of Scientific & Engineering Research*, 4(8):1674-1685, 2013. ISSN: 2229-5518.
15. SarwatJahan, ShamimAkhtar,ArfaKamil, Zafar Saied Saify, Darkhshan JabeenHaleem, AneelaKarim, MehwishWajdi. "Behavioral Studies of novel derivatives of Alkyl piperidine". *International Journal of Scientific & Engineering Research*, Vol 4(12) pp: 95-104 (2013). ISSN 2229-2232
16. ArfaKamil, ShamimAkhtar, MehwishFarrukh, Sohail Hassan, SarwatJahan, "Antibacterial and Antifungal Profile of 2-(2'-Pyridyl) Benzimidazole Derivatives".*European Academic Research*, Vol 1(8): pp. 2051-2058 (2013). ISSN 2286-4822.
17. ArfaKamil, ShamimAkhtar, Maryam Ahmad, Ghazala H Rizwani, SarwatJahan, Sohail Hassan, ShaheenaFayyaz, ShaukatMahmud."Chemical and Biological Studies of 2-(2'- pyridyl) benzimidazole and its synthesized derivatives".*VRI Biol. Med. Chem.*,1(2):51-56, 2013. eISSN: 2330-7250.
18. Z.S Saify, ArfaKamil, ShamimAkhtar and Mehrun-Nisa. "New benzimidazole derivatives as antiplasmodial agents and plasmepsin inhibitors, synthesis and analysis of structure activity relationship". *Bioorganic & Medicinal Chemistry Letters*. Vol. 22 issue 2, 2012. Pp. 1282-1286
19. ArfaKamil, ShamimAkhtar, AneelaKarim, Ahsaan Ahmed, Mehwish Wajdi, Zahid Khan and ZafarSaeedSaify. "Benzimidazole Derivatives

With Potential Cytotoxic Activity-Synthesis and Their Structure-Activity Relationship". *FUUAST J. BIOL.*, 3(2), 2013: pp. 87-93.

20. Ahsaan Ahmed, NousheenMushtaq, Muhammad Tariq, MalihaDurrani, ShamimAkhtar, Muhammad Arif, GhazalaYasmeen. "Disposal practices of unused and expired pharmaceuticals in Karachi and their impact on health and environment". *JUMDC* Vol. 4, Issue 2, July-Dec. 2013. pp. 42-50.
21. SarwatJahan, ShamimAkhtar, Z. S. Saify, NousheenMushtaq, Ali Akber Sial, ArfaKamil and MuhammedArif. "Synthesis and Cytotoxic activity of some derivatives of alkyl piperidine". *Pak. J. Pharm. Sci.* 26(3), 2013, pp. 517-523.
22. ShamimAkhtar; M. Arif; NousheenMushtaq; Z.S. Saify and D.J. Haleem. "Behavioral and Neurochemical Profile of some Novel Phenacyl based Isonipecotamide Derivatives *Pak. J. Pharm. Sci.* 25(4), 2012, pp. 705-714.

Dr. Nousheen Mushtaq

1. SarwatJahan, ShamimAkhtar, ArfaKamil, NousheenMushtaq, Z.S. Saify and MuhammedArif. "Analgesic activity of alkyl piperidine derivatives". *Pak. J. Pharm. Sci.* 29(1): 2016, pp. 77-82.
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Dr. Mansoor Ahmed

1. Mahwish Ahmed Karim, Afaq Ahmed Siddiqui, Ghazala h. Rizwani, Muhammad Farhaanullah Khan and Mansoor Ahmed. Tixicity of *Sanguinaria canadensis* as compared to *Aloe vera* against Brine Shrimp (*Artemia salina*) using the Probit methodology. *Journal of Pharmacy and Nutrition Sciences* .2015 (5) 1-4.
2. Afaq Ahmed Siddiqui, Domenic V Cicchetti, M. Wasay, Rafeeq Alam Khan, M. Ayub

Khan Yousuf Zai, Mansoor Ahmed and Shagufta Tabassum. Prediction and Identification of covariates of Intra-cerebral Hemorrhage. International Journal of Statistics in Medical Research, 2015(4)1-7

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1. Validation and Application of Higher Performance Liquid Chromatographic Method for The Estimation and Metoclopramide Hydrochloride in Plasma, Ahmad Khan, Jallat Khan, S. Baqir Shyum Naqvi, Gul Majid Khan, Muhammad Harris Shoaib, Rabia Ismail Yousaf, Amjad Khan, Muhammad Irfan and Sohail Hassan, *Pak. J. Pharm. Sci.* 28(6), 2015(Paper accepted).
2. Determination of Chemical Stability of Various Famotidine dosage forms by Uv-Visible Spectroscopic Method and data Analysis by R-gui Stability Software. Sohail Hassan, Erum Zaheer, Iyad Naeem Muhammad, Amir Hassan and Mohsin Ali, *J. Basic and Applied Sciences*, 2014.
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1. Yi Cui, Asia Naz, David H. Thompson, and Joseph Irudayaraj (2015). “Decitabine Nanoconjugate Sensitizes Human Glioblastoma Cells to Temozolomide.’ *Mol. Pharmaceutics*; 12 (4), 1279–1288 IF 4.5.
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