

CURRICULUM VITAE

Dr Ariba Farooq PhD

Current Address and designation:

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ACADEMIC POSITIONS:

Oct 2018-Present: Assistant Professor, Polymer Engg. and Technology, University of the Punjab, Lahore

March 2012-2016 Research Scholar, IRCBM, COMSATS, Lahore

July 2008-2009 Lecturer, The Best College Bahawalpur

EDUCATION

2017 Ph.D. Chemistry,

Title of PhD Thesis "Synthesis of Novel Chitosan Based Smart Carriers for Controlled Delivery of Anti-inflammatory Drugs and its Evaluation as Catalyst in Heterocyclic Synthesis"

2010 M. Phil Chemistry:

Title of Mphil Thesis "Isolation and Purification of New and Known Secondary Metabolites from the Leaves of Citrus Sinesis (var.Shukri).

2007 Masters Chemistry

Title of Masters Thesis "Spectrophotometric determination of "Chromium (III) with O-(pyrazol-1-yl) benzoic acid.

AWARDS

- 5000 indigenous HEC PhD Scholarship 2013.
- Research Productivity award 2016 COMSATS Lahore.
- SRGP, worth 0.5 million PKR. (PI) Funded by Higher Education Commission of Pakistan 2018
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RESEARCH AREAS

- **Biomedical Research**
 - Fabrication of anti-inflammatory membranes for periodontal regeneration
 - Skin Tissue engineering for chronic wounds and burned patients
 - Electrospun biodegradable smart anti-bacterial wound dressings
- **Organic Synthesis**
 - Development of new catalyst for synthesis of organic compounds
- **Natural Product Isolation**
 - Isolation of novel compounds from Natural Products(Plants)

RESEARCH TECHNIQUES

- Spectroscopy (FTIR, UV, NMR, Mass)
- Chromatography (All types of liquid Chromatography and Thin Layered Chromatography)
- XRD and SEM
- TGA/DSC
- Freeze drying
- DLS
- Electrospinning and Casting Techniques
- Cytotoxicity test on cell lines

TEACHING

- a) Polymer Synthesis and Characterization labs to MPhil Students
- b) Polymer Synthesis and Characterization Course to MPhil Students.

CONFERENCES/WORKSHOPS

1. Poster Presentation in 8th International and 20th National Chemistry Conference, February 2010, Quaid-i-azam University Islamabad.
2. Poster Presentation in 9th International and 21st National Chemistry Conference, March 2011, Karachi University, Karachi.
3. Poster Presentation in 10th International and 22nd National Chemistry Conference, November 2011, University of Agriculture, Faisal Abad.
4. Participated in 3rd International Symposium on Biomedical Materials; Recent Advances and Challenges, December 2012, IRCBM, COMSATS, Lahore.
5. Attended 5th International Symposium on Biomedical Materials: Clinical Requirements and Regulatory Affairs, December 2016, IRCBM, COMSATS, Lahore
6. Attended one day workshop by django girls on Git Hub Techniques, May 2016, ITU, Lahore.
7. Attended one day workshop on SCI Finder, November 2018, University of the Punjab Lahore.
8. Attended one day workshop on Scopus, Feb 2019, University of The Punjab Lahore
9. Technology presentation in 8th Invention to innovation Summit, April 2019, University of the Punjab, Lahore.
10. Attended one day workshop on Energy Efficiency and Conservation, Aril 2019, University of the Punjab Lahore.

PUBLICATIONS

1. Yar, Muhammad, Lubna Shahzadi, **Ariba Farooq**, Saima Jalil Imran, José P. Cerón-Carrasco, Helena den-Haan, Sanjay Kumar et al. "In vitro modulatory effects of functionalized pyrimidines and piperidine derivatives on Aryl hydrocarbon receptor (AhR) and glucocorticoid receptor (GR) activities." *Bioorganic Chemistry* 71 (2017): 285-293. **Impact factor 3.23**
2. **Ariba Farooq**, Lubna Shahzadi, Marek Bajda, Nisar Ullah, Abdul Rauf, Sohail Anjum Shahzad, Ather Farooq Khan, Muhammad Ashraf, Muhammad Yar , Organocatalyzed Novel Synthetic Methodology for Highly Functionalized Piperidines as Potent α -Glucosidase Inhibitors, *Arch. Pharm. Chem. Life Sci.* 2016, 349, 1–9 , **Impact factor: 2.288**
3. **Ariba Farooq**, Muhammad Yar, Abdul Samad Khan, Lubna Shahzadi, Saadat Anwar Siddiqi, Nasir Mahmood, Abdul Rauf, Zafar-ul-Ahsan Qureshi, Faisal Manzoor, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Synthesis of piroxicam loaded novel electrospun biodegradable nanocomposite scaffolds for periodontal regeneration, *Materials Science and Engineering C* 56 (2015) 104–113, **Impact factor: 5.08**

4. Muhammad Yar, **Ariba Farooq**, Lubna Shahzadi, Abdul Samad Khan, Nasir Mahmood, Abdul Rauf , Aqif Anwar Chaudhry, Ihtesham ur Rehman, Novel meloxicam releasing electrospun polymer/ceramic reinforced biodegradable membranes for periodontal regeneration applications Materials Science and Engineering C 64 (2016) 148–156, **Impact factor: 5.08**
5. Muhammad Yar, Muhammad Arshad, **Ariba Farooq**, Mazhar Amjad Gilani, Khurshid Ayub, Asma Ejaz, Anupriya Kumar, Ichiya Ninomia, Synthesis and DPPH scavenging assay of reserpine analogues, computational studies and *in silico* docking studies in AChE and BChE responsible for Alzheimer’s disease Brazilian Journal of Pharmaceutical Sciences vol. 51, 2015, **Impact factor: 0.56**
6. Muhammad Saleem, **Ariba Farooq**, Shabir Ahmad, Nusrat Shafiq, Naheed Riaz , Abdul Jabbar, Muhammad Arshad and Abdul Malik, Chemical constituents of Citrus sinensis var. Shukri from Pakistan. Journal of Asian Natural Products (2010), **12** (8), 2010, 702–706 **Impact factor: 1.09**
7. **Ariba Farooq**, Shabir Ahmad, Sumera Hanif, Bushra Jabeen, Muhammad Saleem, Naheed Riaz , Abdul Jabbar and Abdul Malik. Chemical constituents of *Citrus sinensis* (var. *shukri*) Pakistan, a poster presented in 8th international and 20th national conference held on 15-17 Feb. 2010 by chemical society of Pakistan at Quaid-e-azam university Islamabad, Pakistan

Date of Birth: 27 Mar. 1985
Nationality: Pakistani
Languages: English, Urdu, Punjabi