

DR. NIGHAT SHAFI

Seeking an opportunity to work with a well-reputed Institution having sound foundation & professional working environment with a team of dynamic Professionals

🏠 Karachi, Pakistan.

✉️ dr.shaf9@gmail.com

📞 0092-0332-3084399

📊 Area of Excellence

Teaching & Research	★★★★★
Research Supervisor	★★★★☆
Reviewer of journals	★★★★☆
Generic development	★★★★☆
Quality Control	★★★★★
Analytical method development & validation	★★★★★
Conference/Seminars Organizer	★★★★☆
Collaboration & Coordination	★★★★☆

🧠 Profile Summary

A highly qualified, competent and result-oriented professional with a progressive successful career of over 7 years in Teaching, research and Pharmaceutical industry.

Conducting extensive research work with Ten years of research Experience. One Ph.D degree and 25 research articles are published in well reputed international journals having impact factor of ISI index journal which are more than 25. One of research project has been accepted from Higher Education Commission (HEC) of Pakistan under the IPFP Program of HEC. Another research project completed as a research associate was funded by HEC.

No of research articles were reviewed for different scientific journals i.e., American journal of Analytical chemistry and International journal of Pharma and Biosciences

Fluent in English and Urdu. Motivational leader with excellence in recruiting, training and developing exceptional people, driving change and meeting challenges.

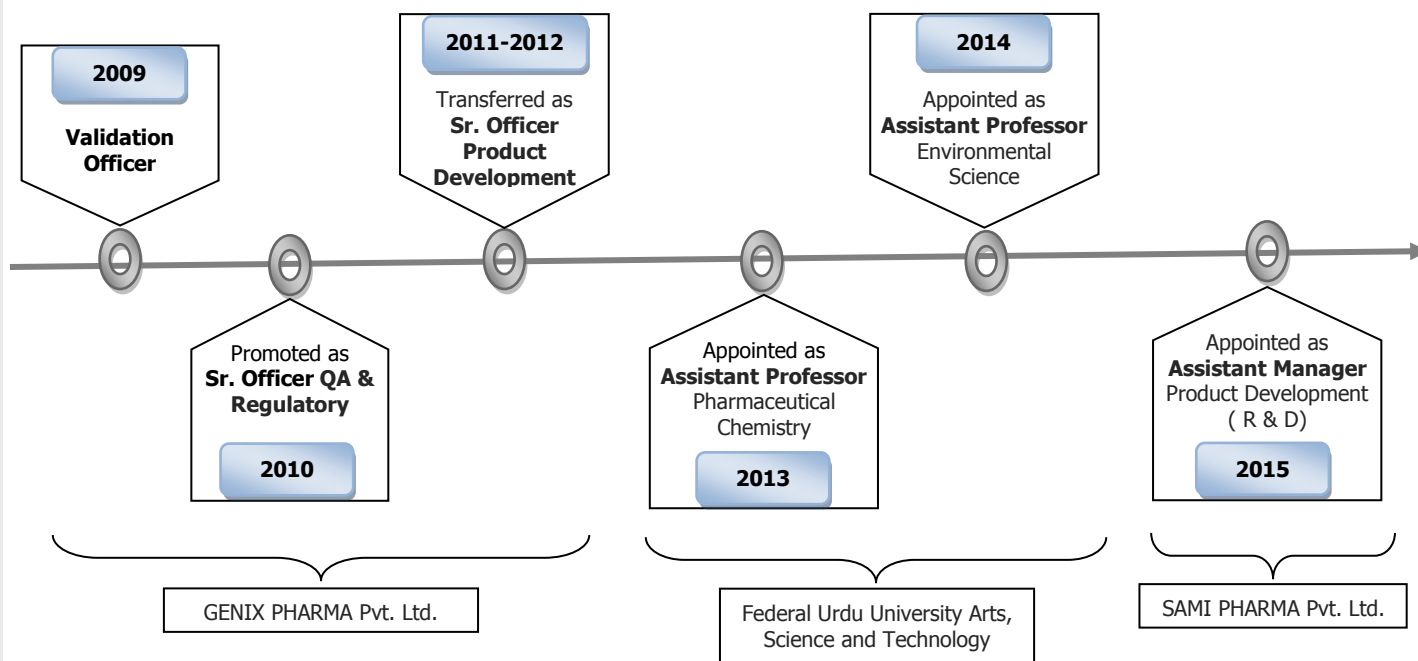
🎓 Education

Ph.D (Analytical Chemistry), University of Karachi, 2010

M.Sc (Physical Chemistry), University of Karachi, 2004

B. Sc Hons.(Chemistry, Biochemistry & Biostatistics), University of Karachi, 2003

👤 Career Timeline



Work Experience

March 2015 – Aug 2015

Headed an R & D team of 15 representatives

Jan 2014 – June 2014

Jan 2013 – Dec 2013

Interim Placement of Fresh PhD Program of Higher Education Commission of Pakistan

2011 – 2012

Proficiency in Following Pharmaceutical and Consumer Product Sections (Injectables, Tablets, Capsules, Dry Powder, Dry Suspension, Syrup, Suspension, Ointment, Cream and Lotions)

2010

Assistant Manager Product Development (R & D) SAMI PHARMA Pvt. Ltd. Karachi, Pakistan.

- Creation of Departmental Objectives
- Organizing departmental activities
- Planning and execution of trial batches as per instruction of Higher Management
- Transfer of Technology/Product from lab scale to commercial scale
- Trouble shooting in existing product
- Formulation and process improvement of existing product
- Pharmaceutical development for international Export
- Monitoring department output and skill development of Officers
- Conduct training to officers and operators
- Monitoring GMP both oral and injectable sections

Assistant Professor Dept. of Environmental Science, Faculty of Science, Federal Urdu University Arts, Science & Technology, Karachi Pakistan.

- Environmental Chemistry
 - Environmental Microbiology
 - Pollution Control Technologies
 - Waste water Treatment
- Courses Taken BS Class**

Assistant Professor Dept. of Pharmaceutical Chemistry, Faculty of Pharmacy, Federal Urdu University Arts, Science & Technology, Karachi Pakistan.

Courses Taken MS Class:

- Spectroscopy
- Biochemistry

Courses Taken Pharm-D Class:

- Analytical Chemistry theory & Lab
- Medicinal Chemistry theory & Lab
- Organic Chemistry theory & Lab

Senior Product Development Officer GENIX PHARMA Pvt. Ltd., Karachi Pakistan (ISO Certified)

- Development of Master Formula of new products
- Execution of Trial and stability batches
- Packaging of stability batches
- Quality/Process Improvement in Existing Product (Manufacturing /Packaging)
- Trouble shooting at production level
- Worked on new source (Active, excipients, colors & flavors)
- Local and Export Documentations related with the product development

Senior Officer Regulatory & QA GENIX PHARMA Pvt. Ltd., Karachi Pakistan (ISO Certified)

- Maintained manufacturing and packaging In-process controls
- Prepared manufacturing and packing protocols
- Batch documents audits
- Conducted GMP audits
- Handled product complaints
- Checked and maintained batch history record
- Preparation and conduction of In-house trainings
- To prepare the registration dossier for the new product registration (Local and export, finish & bulk import etc.)
- To prepare documents regarding product renewals, transfer of registration etc.
- Record keeping and maintaining data related to correspondence MOH on different issues
- Prepared and maintained records of SOPs

Work Experience

2009

Validation Officer

GENIX PHARMA Pvt. Ltd., Karachi Pakistan (ISO Certified)

- Equipment Qualification (IQ, OQ & PQ)
- Analytical method development and Validation
- Process validation and Revalidation
- Documentation of process validation and revalidation
- Documentation as per Export requirement
- Cleaning validation for liquid and solid dosage manufacturing equipment (Design & developed Testing method)
- Sampling and testing for cleaning validation
- Documentation of cleaning validation

Research Publications

Research Publications Profile

No. of Publications	International	National	Total Impact factor
25	23	2	29.694

25. **Nighat Shafi**, Farhan Ahmed Siddiqui et al., Concurrent Determination of Diltiazem, Lisinopril, Captopril and Enalapril in Dosage Formulations and in Human Serum by Liquid Chromatographic Technique. Journal of Liquid Chromatography & Related Technologies.(2015) DOI: 10.1080/10826076.2015.1050503

24. Nawab Sher, Farhan Ahmed Siddiqui, **Nighat Shafi** et al., New method development for hydroxyzine determination; Application in stability studies, Pharmaceutical formulations and human serum. Journal of Liquid Chromatography & Related Technologies. ID LJLC-2014-0245.R1.

23. Farhan Ahmed Siddiqui, Nawab Sher, **Nighat Shafi** et al., Concurrent Determination of Metformin and some ACE inhibitors: Its application to Pharmacokinetics. Arabian Journal of Chemistry (2014) <http://dx.doi.org/10.1016/j.arabjc.2013.11.035>.

22. Farhan Ahmed Siddiqui, Nawab Sher, **Nighat Shafi** et al., Simultaneous determination of Piracetam and levetiracetam in Pharmaceuticals, in human serum and Urine: Application in stability studies. BioMed Research International. Volume 2014, Article ID 758283, 8 pages. <http://dx.doi.org/10.1155/2014/758283>.

21. Najmul Hasan, Farhan Ahmed Siddiqui, Nawab Sher, **Nighat Shafi**, Arif Zubair and Muhammad Afzal. Development and Validation of a Reverse Phase HPLC Method for the Analysis of Ciprofloxacin and its Application in Bulk and Different Dosage Formulations. World Applied Sciences Journal 31 (5): 730-740, 2014.

20. Nawab Sher, Farhan Ahmed Siddiqui, Najmul Hasan, **Nighat Shafi**, Arif Zubair, Agha Zeeshan Mirza. Simultaneous determination of antihistamin antallergic drugs, Cetirizine hydrochloride, Domperidone, Chlorpheniramine maleate, Loratidine, Meclizine and Buclizine in Pharmaceutical formulations, Human serum and Pharmacokinetics application. Anal. Methods, DOI:10.1039/C3AY41698D. Royal Society of Chemistry. 2014, 6: 2704-2714.

19. Farhan Ahmed Siddiqui, Nawab Sher, Najmul Hassan, **Nighat Shafi et al.,** Spectrophotometric Multivariate Calibration Approach: Application in Quantitative determination of Mebeverine in Bulk Drug and Pharmaceutical Formulations. World Applied Sciences Journal 32(7): 1418-1422, 2014.

18. Farhan Ahmed Siddiqui, Nawab Sher, **Nighat Shafi**, Hina Shamshad, Kinetic and Thermodynamic Spectrophotometric Technique to Estimate Gabapentin in Pharmaceutical Formulations using Ninhydrin. Journal of Analytical Science and Technology 2013, 4:17.

17. Farhan Ahmed Siddiqui, Nawab Sher, Hina Shamshad, **Nighat Shafi**, Agha Zeeshan Mirza. Analysis of Metformin, Glimepiride and Pioglitazone in human serum and its application to pharmacokinetic. Analytical Method (Royal Society of Chemistry), 2013, 5, 5096–5104. DOI: 10.1039/c3ay40884a.

16. **Nighat Shafi**, Farhan Ahmed Siddiqui, Azhar Hussain, Nawab Sher. An Overview of Analytical Determination of Diltiazem and some H2 Receptor Antagonist by UV Spectrophotometry and HPLC Technique. Journal of Chemistry. 2013, Article ID 184948, 16 pages <http://dx.doi.org/10.1155/2013/184948>.

15. Najmul Hasan, Nawab Sher, Farhan Ahmed Siddiqui, **Nighat Shafi**. A New RP-HPLC Method for Quantitative determination of Cefazolin sodium in Pharmaceutical Formulations and in vitro study in Human serum. Research and Reports in Medicinal Chemistry. 2013, 3: 21–28.

14. Huma Naseem, **Nighat Shafi**, Farhan Ahmed Siddiqui, Najma Sultana and M.Saeed Arayne. Interaction studies of Gliquidone with Citrus Fruit Juices by UV-Visible Spectrophotometry. International Journal of Scientific and Engineering research. 2013, volume 4, Issue 8. 2231-2242, ISSN 2229-5518.

13. Azhar Hussain, Muhammad Hanif, Muhammad Harris Shoaib, Tariq Ali and **Nighat Shafi**. Comparative studies of Ciprofloxacin 250mg tablets available in Pakistani Market. Latin American Journal of Pharmacy. **32** (4): 484-9 (2013).
12. Azhar Hussain, Muhammad Hanif, Muhammad Haris Shoaib, Rabia Ismail Yousuf and **Nighat Shafi**. Bioanalytical method development and validation of ciprofloxacin by RP-HPLC method. Asian J. of Pharmaceutical and Biological Research. Oct-Dec 2012, Vol-2 , Issue-4, Pg 219-224.
11. Shabana Naz Shah , Agha Zeeshan Mirza, Hina Shamshad , **Nighat Shafi** and Malik Asia Naz. Physical and chemical characterization of mefenamic acid in different pharmaceutical dosage forms and their stability studies using novel RP-HPLC method. Medicinal Chemistry Research. November 2012, Volume 21, Issue 11, pp 3591-3597.
10. Zahida Karim, Anum Asad and **Nighat Shafi**. First- derivative UV spectrophotometric determination of Nitazoxanide in Pharmaceutical formulations. Journal of Pharmacy Research Vol.5 Issue 2. February 2012 pages 1188-1190.
9. Sultana N, Arayne MS and **Shafi N** (2011) Development and validation of new assay method for the simultaneous analysis of diltiazem, metformin, pioglitazone and rosiglitazone by RP-HPLC and its applications in pharmaceuticals and human serum". Journal of Chromatographic Science, Vol 49: Nov/Dec, Pg. 774 – 779.
8. Najma Sultana,^a M. Saeed Arayne,^a Shabana Naz Shah^b, **Nighat Shafi^b** and Safila Naveedc*Simultaneous Determination of Prazosin, Atorvastatin, Rosuvastatin and Simvastatin in API, Dosage Formulations and Human Serum by RP-HPLC. J. Chin. Chem. Soc., Vol. 57, No. 6, 2010 Pages 1-7.
7. Sultana N, Arayne MS and **Shafi N** (2009) Development and validation of new assay method for the simultaneous analysis of diltiazem, metformin, pioglitazone and rosiglitazone by RP-HPLC and its applications in pharmaceuticals and human serum". Journal of Anal. Methods, The Royal Society of Chemistry, 2010, 2: 1571–1576.
6. Shabana Naz^{1*}, Najma Sultana¹, M. Saeed Arayne², **Nighat Shafi¹**. Simultaneous determination of Prazosin and Calcium Channel Blockers in raw materials, Pharmaceutical formulations and human serum by RP-HPLC. International Journal of Pharma Research and Development – Online. Publication Ref No.: IJPRD/2010/PUB/ARTI/VOV-2/ISSUE-9/NOV/002, ISSN 0974 – 9446.
5. Sultana N, Arayne MS, **Shafi N** and Siddiqui (2010) Simultaneous RP-LC Analysis of Diltiazem and NSAIDs in pharmaceutical formulations and Human serum. Chromatographia, 71: pages 71-77.
4. Sultana N, Arayne MS and **Shafi N** (2009) In vitro Interaction Studies of Diltiazem with H₂ Antagonists. Medicinal Chemistry Research, Volume 19, Number 7, 698-716, DOI: 10.1007/s00044-009-9224-6, 2009.
3. Sultana N, Arayne MS and **Shafi N** (2009) Naz A, Naz S, Shamshad H (2009) A RP-HPLC method for the Simultaneous quantitation of diltiazem and quinolones in bulk, formulation and human serum. Journal of Chilean Chemical Society, 54, N° 4 (2009), pages. 358-362.
2. Sultana N, Arayne MS and **Shafi N** (2007) In vitro Interaction Studies of Diltiazem with NSAID's Using UV Spectrophotometry and RP-HPLC Techniques. Pak. J. Pharm Sci **20**(3), 202-213: **PubMed (PMID: 17545105)**.
1. Sultana N, Arayne MS and **Shafi N** (2007) A Validated Method for the Analysis of Diltiazem in Raw Materials and Pharmaceutical Formulations by RP-HPLC. Pak. J. Pharm Sci. **20**(4), 284-290.



List of Oral Presentation

Title of Abstract	Place and Organizers	Period	Place and Organizers
In vitro Interaction Studies of Diltiazem with H ₂ Receptor Antagonists.	8th National Conference on Pharmacovigilance	January 9-11, 2009	Society of Pharmacovigilance at Calcutta Institute of Pharmaceutical Technology, West Bengal University of Technology, Kolkata, INDIA.
Simultaneous Determination of prazosin and H ₂ Receptor Antagonists from Raw Materials, Pharmaceutical Formulations and Human Serum.	19th National Chemistry Conference	March 2-4, 2009	Department of Chemistry, Kohat University of Science and Technology, Pakistan.
Simultaneous Determination of Diltiazem and Statins from Raw Materials, Pharmaceutical Formulations and Human Serum.	"19th National Chemistry Conference":	March 2-4, 2009	Department of Chemistry, Kohat University of Science and Technology, Pakistan.
Invited Lecture on Solubility and Solubility Product	Seminar on " General Aspects off Chemistry"	25 Jan 2009	Organized by ISAR Foundation Higher Secondary School Karachi.
Development and Validation of a RP-HPLC Method for Analysis of Diltiazem.	"1st International Chemistry Conference	November 1-3, 2006	Department of Chemistry, GC University, Faisalabad, Pakistan.



List of Poster Presentation

Title of Abstract	Place and Organizers	Period	Place and Organizers
Simultaneous Determination of Diltiazem, metformin, pioglitazone and rosiglitazone from Pharmaceutical Formulations and Human Serum.	5th Pharmacognosy Conference 2010 on Current Challenges in Medicine and Therapy.	July 10th 2010	Pearl Continental Hotel, Karachi. Organized by the Department of Pharmacognosy, University of Karachi.
In Vitro Interaction Studies of Diltiazem with Fluroquinolones.	2nd International Workshop Cum-Training Course on Molecular Medicine and Drug Research (MMDR-2)	January 12-15, 2009	Dr. Panjwani Centre for Molecular Medicine and Drug Research, ICCBS, University of Karachi, Karachi, Pakistan.
Physical and chemical characterization of mefenamic acid in different pharmaceutical dosage forms and their stability studies using novel RPHPLC method.	8th National Conference on Pharmacovigilance	January 9-11, 2009	Society of Pharmacovigilance at Calcutta Institute of Pharmaceutical Technology, West Bengal University of Technology, Kolkata, INDIA.



Certificate Courses Attended

- **Proficiency Enhancement Program** on Drug Stability Organized by Mathematical Sciences research Centre, Federal Urdu University of Arts, Science and Technology, Karachi. (8th November 2008).
- **Workshop** on "Introduction to Digital Library Resources and their effective Usage" arranged by Higher Education Commission, (2005).



Conferences, workshops and seminars (Attended)

- Participated in the "**1st National Symposium on New Horizons of Microbiology**" Organized by Federal Urdu University of Arts, Science and Technology, Karachi. (7- 8th, November 2012).
- Participated in the "**Seminar on Freeze Drying Process & Its Latest Studies, Freeze Dryer & Its Latest Technologies Barrier Technology & Its Application in Aseptic Products Manufacturing**" Organized by Faculty of Pharmacy, Federal Urdu University of Arts, Science and Technology, Karachi.) (18th, October 2012).
- Participated in the "**PAK-US Workshop on Applications of Nanotechnology**" Organized by International Center for chemical and Biological Sciences (H.E.J. Research Institute of Chemistry), University of Karachi. Pakistan and National Sciences Foundation USA Pakistan. (29th-30th, May 2012).
- Participated in the "**12th International Symposium on Natural Product Chemistry**" Organized by International Center for chemical and Biological Sciences (H.E.J. Research Institute of Chemistry), University of Karachi, Pakistan (22-25, Nov 2010).
- Participated in the "**International Conference on Environmental Horizons, at Department of Chemistry & International Center for Chemical Sciences**, University of Karachi. Pakistan (19-21, December 2005).
- **2nd International Workshop-Cum-Training Course** On Molecular Medicine and Drug Research (Electrophysiological Technique in Molecular Medicine, DNA Sequencing, Stem Cells – Applications in Cardiovascular Research and Modern Imaging Techniques for Advanced Cell-Biological Research, Karachi, Pakistan, (2009).



Technical Skills

- **Worked on R & D and Pharmaceutical Production Equipments**
- **Worked on Different Quality Control Equipments**
UV-visible Spectrophotometer, Conductometer, HPLC, Dissolution apparatus, FTIR, ELISA reader & Plathysmometer
- **Computer Skills** Proficient in MS Office i.e., MS Word, MS Excel, Power point etc.