

TEACHING, RESEARCH AND WORK EXPERIENCE

Professor Department of Pharmaceutical Chemistry, University of Karachi.	<i>May, 2011 - Present</i>
Secretary Affiliation , University of Karachi (A body that affiliate, regulate and monitor the colleges / Institutes affiliated with University of Karachi).	<i>Nov. 2017 - to date</i>
Chairman Department of Pharmaceutical Chemistry, University of Karachi	<i>Aug. 2009 - Aug. 2015</i>
Associate Professor Department of Pharmaceutical Chemistry, University of Karachi	<i>Nov. 2005 - May, 2011</i>
Incharge Department of Pharmaceutical Chemistry, University of Karachi.	<i>Mar 2006 - Nov., 2009</i>
Assistant Professor i. Department of Pharmaceutical Chemistry, University of Karachi.	<i>Mar. 2002 - Nov. 2005</i>
ii. Faculty of Pharmaceutical Sciences, Baqai Medical University, Karachi.	<i>Oct.1998 - Mar 2002</i>
Senior Analyst Alina Combine Pakistan (Pvt.) Ltd.	<i>Mar.1998 - Oct.1998</i>
Research Fellow/ Management Trainee Research and Development, GlaxoWellcome Pakistan Ltd.	<i>Mar.1994 - Mar.1998</i>
Trainee Pharmacist GlaxoWellcome Pakistan Ltd.	<i>Oct 1993 - Nov, 1993</i>
Research (M. Pharm) Department of Pharmaceutical Chemistry, University of Karachi.	<i>1990 - 1993</i>

FIELD OF SPECIALIZATION

Formulation, QC and QA, Method Development (HPLC and Spectrophotometer)
Analysis and Stability of Pharmaceuticals

RESEARCH SUPERVISION (Ph.D)

S. No	Name	Title	Year
1.	Kiran Rafiq	Synthesis and Pharmacological Evaluation of some Piperidine derivatives (Co-Supervised)	2013
2.	Wajiha Gul	Photoaddition reactions of Riboflavin in the presence of different divalent ions	2019
3.	Mehwish Wajidi	Phytochemical studies on alpha-amylase and alpha-glucosidase in various plants and their impact on human health with special reference to GIT disorders	Submitted 2020
4.	Saima Zahid	Photodegradation and Interaction Studies on Methylcobalamin	Submitted 2020

RESEARCH SUPERVISION (M. Phil/M. Pharm)

S. No	Name	Title	Year
1.	Wajiha Gul	A Comparative Study of Analytical Methods for the Assay of Thiamine Hydrochloride	2011
2.	Saima Zahid	Photolysis of Cobalamins in Aqueous Solution	2012
3.	Mehwish Wajidi	Effect of Buffers on the Photolysis of Thiamine HCl	2012
4.	Saima Kamran	Effect of buffer salts on the photolysis of Riboflavin	Submitted 2020

ADMINISTRATIVE AND ORGANIZATIONAL ASSIGNMENTS

- Secretary Affiliation Committee, University of Karachi (2017 – to-date).
- Chairman, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Karachi (2009 – 2015).
- Member Editorial Board, Pakistan Journal of Pharmaceutical Sciences, University of Karachi (2009 to-date).

- Member Syndicate, University of Karachi (2012-2014).
- Incharge, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Karachi (2006-2009).
- Patron, Farmacia (Official Magazine of Faculty of Pharmacy and Pharmaceutical Sciences) University of Karachi.
- Patron, Literary and Dramatic Society Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi (2013 - to-date).
- Advisor Student Affairs, Faculty of Pharmaceutical Sciences, Baqai Medical University (1999-2002).
- Incharge Industrial and Hospital Training Program for B. Pharm. Students, Faculty of Pharmaceutical Sciences, Baqai Medical University, Karachi (1999-2002).
- Incharge Formulation, Technology and Instrumentation Laboratories, Faculty of Pharmaceutical Sciences, Baqai Medical University, Karachi (1999-2002).
- Co-Chairperson of the Souvenir and Media Committee, Baqai Medical University, Karachi (2001).
- Co-ordinator of the Second International Conference on Pharmaceutical Sciences held from 2nd to 5th January, 1997 organized by Faculty of Pharmacy, University of Karachi.

HONOURS AND AWARDS

- Received gold medal from PMJ (*Pakistan Memon Jamat*).
- Received award (*Nishan-e-Zafar*) from Karachi University Teachers Society.
- Received certificate of merit from PPA (*Pakistan Pharmacist Association*).

FELLOWSHIP

Ph. D. Research Fellowship awarded by GlaxoWellcome Pakistan Ltd. (*Presently GSK*)
1994 - 1998

MEMBERSHIPS

- Elected Member Syndicate, University of Karachi (2011-2013).
- Member Senate, University of Karachi.
- Member Board of Governor's Khan Institute of Bio-technology and Genetic Engineering, University of Karachi (2011-2013).
- Member Board of Governor's Institute of Clinical Psychology, University of Karachi (2010-2014).
- Member of Bioavailability and Bioequivalence Lab, Research Institute of Pharmaceutical Sciences, University of Karachi (2014 – to-date).
- Elected Member Senate from the Constituency of Assistant Professor University of Karachi (2006-2009).
- Member Board of Faculty, Faculty of Pharmacy, University of Karachi, Karachi.

- Member Board of Faculty, Faculty of Pharmacy, Dow University of Health Sciences Karachi.
- Member Board of Faculty, Faculty of Pharmacy, Baqai Medical University, Karachi.
- Member Board of Faculty, Faculty of Pharmacy, Sindh University, Jamshoro.
- Member Board of Faculty, Faculty of Law, University of Karachi, Karachi. (2014 – 2017)
- Member Advisory Board, Pakistan Journal of Pharmaceutical Sciences (Impact Factor Journal, Recognized by Higher Education Commission of Pakistan).
- Member Board of Studies, Department of Pharmaceutical Chemistry, University of Karachi, Karachi.
- Member Board of Studies, Department of Pharmaceutical Chemistry, Baqai Medical University Karachi.
- Member Board of Studies, Department of Pharmaceutical Chemistry, University of Sindh, Jamshoro.
- Member Board of Studies, Department of Pharmacy, Federal Urdu University of Arts, Science and Technology, Karachi.
- Member Board of Studies, Department of Pharmacy, Sarhad University, Peshawar.
- Member Academic Council, University of Karachi, Karachi, Pakistan.
- Elected Member Executive Council, KUTS (*Karachi University Teacher's Society*).2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012 ,2012-2013, 2013-2014.
- Member Executive Council, UNIKARIANS (*Alumni of University of Karachi*) 2006- 2009.
- Member Pakistan Pharmacist Association.
- Member Arts Council of Pakistan.
- Member of the Central Convocation Committee, University of Karachi (2006, 2011, 2012).
- Member of the Convocation Steering and Organizing Committee, Baqai Medical University (2001).
- Member Students Advisory Committee, University of Karachi (2002-2004)
- Member Sports Committee, Baqai Medical University (2000-2002).

PROFESSIONAL AND SOCIAL RECOGNITION

- Registered Pharmacist in Category “A” (Registration No. 1509).
- Government of Sindh nominated Member of ***Pharmacy Council of Sindh*** in the year 2000. This council is a regulatory body dealing with matters pertaining to Pharmacy Practice and Pharmacy Education.
- Recognized as a Poet / Writer, Compere, Social Scientist and Scientist and has been a regular participant / invitee to Mushairas, Seminars, Conferences and Talk Shows etc.

PERSONAL SKILLS

- Editor of a Book entitled “Safar”, a compilation of literary and social writings.

- Editor of the Convocation Souvenir, Baqai Medical University, Karachi. (2001).
- Incharge of “Farmacia” the official magazine of Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi.
- Incharge of “Pharma Mag” the official magazine of Faculty of Pharmaceutical Sciences, Baqai Medical University (2000 & 2002).
- Compared / Moderated / Participated in a number of Scientific, Literary and Social Programs on T.V, Radio and Private Gatherings.
- Written scripts for Radio Pakistan.
- Ex-President, National Youth League Pakistan (Karachi Chapter).
- Secretary, Karachi University Teacher’s Society (2009 – 2010).

PROJECTS ACCOMPLISHED AT UNIVERSITY

- Being chairman of the curriculum committee of the Department Pharmaceutical Chemistry, University of Karachi, designed courses for MS and Ph. D.
- Being member of the curriculum committee Faculty of Pharmacy, University of Karachi, designed and reformulated courses for the five year Pharm. D program.
- Reorganized, Designed and Updated Instrumentation Laboratory at the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Karachi.
- Established Instrumentation, Formulation and Technology Laboratories at the Faculty of Pharmaceutical Sciences, Baqai Medical University.

PROJECTS ACCOMPLISHED AT INDUSTRY

- Developed Analytical and Stability indicating HPLC and Spectrophotometric methods for Drugs and related Compounds with special reference to Vitamins.
- Developed and Designed Basic Operational Procedures for the Analysis of Pharmaceuticals.
- Validated and fine tuned HPLC and Spectrophotometric Methods for Drugs and related Compounds.

SUBJECTS TAUGHT AT GRADUATE AND POST GRADUATE LEVEL

- Physical Chemistry and Physical Pharmacy
- Quality Control and Quality Assurance
- Instrumentation and Analysis of Drugs
- Stability of Drugs and Related Compounds
- Method Development and Validation
- Pre-formulation and Formulation of Drugs
- Pharmaceutical Technology
- Pharmacy Orientation
- Research Methodology
- Medicinal Chemistry

PUBLICATIONS

Book (Co-author)

Borates: Chemical, Pharmaceutical and Pharmacological Aspects. **Nova Science Publications NY., USA** (2011).

Chapters in Books

1. Chapter on “*Photochemistry of Flavins in Aqueous and Organic Solvents*”, In Flavins: Photochemistry and Photobiology. Iqbal Ahmad and **Faiyaz H. M. Vaid**. (E. Silva and A. M. Edwards, Eds.), **Royal Society of Chemistry, Cambridge**, pp 13 - 40 (2006).
2. Chapter on “*Borate: Toxicity, Effect on Drug Stability and Analytical Applications*”, Iqbal Ahmad, Sofia Ahmed, M. A. Sheraz and **Faiyaz H. M. Vaid**. In Hand book on Borates : Chemistry, Production and Applications. (M. P. Chung, Ed.), **Nova Science Publishers, Inc., NY, USA**, pp 19-58 (2010).

List of Research Articles (International)

1. Synthesis and Pharmacological Evaluation of N-Methyl Piperidine Analgesics, S.Hameed Z. S. Saify, **H. M. Faiyaz Vaid**, M. Saeed, M. Ahmed and A. Khan, *J. Sci I. R.* **4**(4), 281-284, (1993).
2. A Study of Simultaneous Photolysis and Photoaddition Reactions of Riboflavin in Aqueous Solution. Iqbal Ahmad, Q. Fasihullah and **Faiyaz H. M. Vaid**, *Journal of Photochemistry and Photobiology B: Biology*, **75**, 13-20, (2004).
3. Effect of Phosphate Buffer on Photodegradation Reactions of Riboflavin in Aqueous Solution. Iqbal Ahmad, Q. Faisullah and **Faiyaz H. M. Vaid**, *Journal of Photochemistry and Photobiology B: Biology*, **78**, 229-234, (2005).
4. Effect of Light Intensity and Wavelength on Photodegradation Reactions of Riboflavin in Aqueous Solution. Iqbal Ahmad, Q. Fasihullah and **Faiyaz H. M. Vaid**, *Journal of Photochemistry and Photobiology B: Biology*, **82**, 21-27, (2006).
5. Photolysis of Formylmethylflavin in Aqueous and Organic Solvents. Iqbal Ahmad, Q. Fasihualh and **Faiyaz H. M. Vaid**, *Photochem. Photobiol. Sci.*, **5**, 680 – 685, (2006).
6. Effect of Borate Buffer on the Photolysis of Riboflavin in Aqueous Solution. Iqbal Ahmad, Sofia Ahmed, Mohammad Ali Sheraz and **Faiyaz H. M. Vaid**, *Journal of Photochemistry and Photobiology B: Biology*, **93**, 82-87, (2008).

7. Effect of Caffeine Complexation on the Photolysis of Riboflavin in Aqueous Solution: A Kinetic Study, Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Aminuddin and **Faiyaz H.M.Vaid**. *Chem. Pharm. Bull.* **57**(12), 1363-1370, (2009).
8. Analytical Applications of Borates. Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed and **Faiyaz H. M. Vaid**, *Materials Science Research Journal*, **3**, 173-202 (2009).
9. Advances in Biochemical Functions and the Photochemistry of Flavins and Flavoproteins. Iqbal Ahmad, **Faiyaz H. M. Vaid**, Sofia Ahmed, Muhammad Ali Sheraz and Sohail Hassan. *International Journal of Chemical and Analytical Science*, **1**(2), 18-21, (2010).
10. Effect of Divalent Ions on Photodegradation Kinetics and Pathways of Riboflavin in Aqueous Solution. Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, **Faiyaz H. M. Vaid** and Izhar A. Ansari, *International Journal of Pharmaceutics*, **390**, 174-182, (2010).
11. Photodegradation and Photostabilization of Ascorbic Acid in Pharmaceutical Preparations, Muhammad Ali Sheraz, Sofia Ahmed, Iqbal Ahmad, Kiran Qader and **Faiyaz H. M. Vaid**, *International Journal of Chemical and Analytical Sciences*, **1**(4), 68-70 (2010).
12. Photostability of Ascorbic Acid in Aqueous and Organic Solvents. Iqbal Ahmad, Muhammad Ali Sheraz, Riaz H. Shaikh, Sofia Ahmed and **Faiyaz H. M. Vaid**, *Journal of Pharmacy Research*, **3**, 1237-1239 (2010).
13. Pharmacological Aspects of Borates. Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Kefi Iqbal and **Faiyaz H. M. Vaid**, *International Journal of Medical and Biological Frontiers* **16**, 977-1003 (2010).
14. Formulation and Stability of Ascorbic Acid in Topical Preparations, Muhammad Ali Sheraz, Sofia Ahmed, Iqbal Ahmad, **Faiyaz H. M. Vaid** and Kefi Iqbal, *Systematic Reviews in Pharmacy*, **2**, 93-97 (2011).
15. Photostability and Interaction of Ascorbic acid in Cream Formulation. Iqbal Ahmed, M.A. Sheraz, Sofia Ahmed, Riaz Hussain Shaikh, **Faiyaz H. M. Vaid**, S. R. Khattak, Shakeel A. Ansari, *AAPS Pharm Sci Tech* **12**(3), 917-923 (2011).
16. Effect of Riboflavin on the Photolysis of Cyanocobalamin in Aqueous Solution. Iqbal Ahmad, Ambreen Hafeez, Naheed Akhter, **Faiyaz H. M. Vaid**, Kiran Qadeer, *The Open Anal. Chem. J.*, **6**, 22-27 (2012).
17. Photochemical Interaction of Ascorbic acid with Riboflavin, Nicotinamide and Alpha-tocopherol in Cream Formulations. Iqbal Ahmad, M.A. Sheraz, Sofia Ahmed, Raheela Bano, **Faiyaz H. M. Vaid**, *Int.J. Cosmet. Sci.*, **34**, 123-131 (2012).

18. Photostabilization of Ascorbic acid with Citric Acid, Tartaric Acid and Boric Acid in cream Formulation, Iqbal Ahmed, Muhammad Ali Sheraz, Sofia Ahmed, Riaz Hussain Shaikh and **Faiyaz H.M.Vaid**. *Int.J Cosmet. Sci.*, **34**, 240-245 (2012).
19. Effect of pH, Buffer and Viscosity on the Photolysis of Formylmethylflavin: A Kinetic Study. Iqbal Ahmed, Tania Mirza, Kefi Iqbal, Sofia Ahmed, M. A. Sheraz, **Faiyaz H. M. Vaid**, *Aust. J. Chem.*, **65**(5), 579-585 (2013).
20. Synthesis of 4-(4-Chlorophenyl)-4-Hydroxy Piperidine Analogues having promising Compatibility with Alpha Amylase Enzyme. Kiran Rafiq, Zafar Saeed Saify, **Faiyaz Vaid**, Farzana Navaid, Arfa Kamil, Rana Kausar and Asghari Ghaus, *Int. J. Life Sc. Bt and Pharm. Res.*, **2**(3), 459-465 (2013).
21. Synthesis with Antibacterial and Antifungal Screening of 4-Hydroxy-4-Phenyl Piperidine Derivatives. Kiran Rafiq, Zafar Saeed Saify, **Faiyaz Vaid**, Sikandar Khan, Farzana Akhtar and Rana Kausar, *British Biomedical Bulletin* **1**(1), 64-72 (2013).
22. Divalent anion catalyzed photo degradation of riboflavin: a kinetic study. **Faiyaz H. M. Vaid**, Wajiha Gul, Ambreen Faiyaz, Zubair Anwar, Mohammad Ehsan Ejaz, Saima Zahid, Iqbal Ahmad. *Journal of Photochemistry and Photobiology A; Chemistry* **362**, 40-48. 2018.
23. Photolysis of Methylcobalamin in Aqueous solution: A Kinetic study. **Faiyaz H.M. Vaid**, Saima Zahid, Ambreen Faiyaz, Kiran Qadeer, Wajiha Gul, Zubair Anwar, Iqbal Ahmed. *Journal of Photochemistry and Photobiology A: Chemistry* **362**, 40-48 2018.
24. Simultaneous photoaddition, photoreduction, and chemical reduction of riboflavin by sulfur containing dianions: A kinetic study. Wajiha Gul, **Faiyaz H. M. Vaid**, Ambreen Faiyaz, Zubair Anwar, Adeela Khurshid, Iqbal Ahmad. *Journal of Photochemistry and Photobiology A: Chemistry*. **376**. 22-31. May 2019.

List of Research Articles (National)

25. Statistical Evaluation of N-Bromosuccinimide and Iodine as Titrimetric Method for Estimation of Vitamin C in Orange Juice and Pharmaceutical Preparations. M. Aminuddin, **Faiyaz Hussain Madani Vaid** and Karamat Mehmood, *Pak J. Pharm Sci*, **16** (2), 69-76, (2003).
26. Chromatographic Study of Photolysis of Aqueous Cyanocobalamin Solutions in Presence of Vitamins B and C. Izhar A. Ansari, **Faiyaz H. M. Vaid** and Iqbal Ahmad, *Pak J. Pharm Sci*, **17** (1), 19-24, (2004).
27. O-Phthalaldehyde Based Spectrophotometric Determination of Sulfonamides. **Faiyaz H. M. Vaid**, M. Aminuddin and Karamat Mehmood, *Pak J. Pharm Sci*, **17** (2), 77-84, (2004).

28. Spectral Study of Photolysis of Aqueous Cyanocobalamin Solutions in Presence of Vitamins B and C. Izhar A. Ansari, **Faiyaz H. M. Vaid** and Iqbal Ahmad, *Pak J. Pharm Sci*, **17** (2), 93-99, (2004).
29. Spectrophotometric Determination of Iron Using Dehydrobenzoylactic Acid as a Ligand. **Faiyaz H. M. Vaid**, M. Aminuddin, Kamran A. Chishti and Karamat Mehmood, *Intl. Chem. Pharm. Med. J.* **1**, 27-32, (2004).
30. Spectral Study of the Photolysis of Aqueous Thiamine Hydrochloride and Ascorbic acid Solution in the Presence and Absence of Riboflavin. **Faiyaz H. M. Vaid**, Riaz H. Shaikh, Izhar A. Ansari and Iqbal Ahmad, *Jour. Chem. Soc. Pak.*, **27**(3), 227-232, (2005).
31. Chromatographic Study of the Photolysis of Aqueous Thiamine Hydrochloride and Ascorbic Acid Solution in the Presence and Absence of Riboflavin. **Faiyaz H. M. Vaid**, Raiz H. Shaikh, Izhar A Ansari and Iqbal Ahmad, *Jour. Chem. Soc. Pak.*, **28**(5), 461-464, (2006).
32. Thermal Degradation of 7,8-Dimethyl-10-Formylmethylisoalloxazine in Acid Solution: A Kinetic Study, Iqbal Ahmad and **Faiyaz Hussain Madani Vaid**, *Jour. Chem. Soc. Pak*, **30** (5), 688-691, (2008).
33. Determination of Benzoic Acid and Salicylic Acid in Commercial Benzoic and Salicylic acid Ointments by Spectrophotometric Method. Iqbal Ahmad and **Faiyaz H. M. Vaid**, *Pak. J. Pharm. Sci.*, **22**(1), 18-22, (2009).
34. Vitamin B₆: Deficiency Diseases and Methods of Analysis. Iqbal Ahmed, Tania Mirza, Kiran Qadeer, Urooj Nazim, **Faiyaz H. M. Vaid**, *Pak. J. Pharm. Sci.*, (2013) (Review Article).
35. Multicomponent Spectrometric Assay of Cyanocobalamin and its photoproduct Hydroxocobalamin in the presence of Ascorbic acid in photolyzed Solutions. Iqbal Ahmad, Kiran Qadeer, Ambreen Hafeez, Rahila Bano. **Faiyaz H.M.Vaid**, *Pak. J. Pharm. Sci*, **27**(2), 209-15, (2014).
36. Study of Molecular Basis of Interaction between B₁₂ enzymes and Flavin derivatives using Molecular Docking Technique. Ambreen Faiyaz, Iqbal Ahmad, **Faiyaz H. M. Vaid** and Naheed Akhtar. *Journal of the Dow University of Health Sciences (JDUHS)*, **9**(2) 48-55, 2015.
37. Anti-oxidant and Digestive enzymes Inhibitory activity of Ethanoic extract of *Carum carvi* L. and its fractions in Diabetic condition. Mehwish Wajidi, **Faiyaz H.M. Vaid**, Ghazala H. Rizwani, Ambreen Faiyaz, Huma Shareef, Arfa Akram, Ateka Ahmed. *Pak J. Pharm Sci*, **32**(6), 2687-2695, 2019.
38. Evaluation of anti-inflammatory and antibacterial potential of newly synthesized 4-(2-Keto-1-benzimidazolyl) derivatives of piperidine. Quratul-ain Leghari, **Faiyaz HM Vaid**, Zafar Saeid Saify, Almas Jabeen, Fauzia Haider, Rubina Siddiqui and Rabya Munawar. *Pak J. Pharm Sci*, **33**(2) 615-619 2020.