

MUHAMMAD ALI SHERAZ

PERSONAL INFORMATION

- ❖ **CNIC No.** : 42201-0431643-3
- ❖ **Date of Birth** : June 3, 1980
- ❖ **Father's Name** : Muhammad Noorullah
- ❖ **Marital Status** : Married
- ❖ **Address** : C-13 Block A, KDA Officers Co-operative Housing Society,
Karachi-75300.
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- ❖ **Registration No.:** 2582 (Pharmacy Council of Sind)
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QUALIFICATION

Degree	Major / CGPR	Year	Institution
Postdoc	Biological & Medical Sciences	2012	The University of Sheffield, Sheffield, UK
Ph. D.	Pharmaceutics	2006–2009	Baqai Medical University, Karachi
M. Phil.	Pharmaceutics / 3.67	2003–2006	Baqai Medical University, Karachi
B. Pharm.	3.43	1999–2003	Baqai Medical University, Karachi
H.S.C.	Science (Pre-Medical)	1998	Government College for Men, Karachi
S.S.C.	Science (Pre-Medical)	1996	The Educational World School, Karachi

ADMINISTRATIVE EXPERIENCE

- ❖ **Director**, Baqai Institute of Pharmaceutical Sciences, April 16, 2019 to date.
- ❖ **Chairman**, Department of Pharmacy Practice, Baqai Institute of Pharmaceutical Sciences, January, 2014 to date.

TEACHING EXPERIENCE

- ❖ **Professor**, Department of Pharmacy Practice and Department of Pharmaceutics, Baqai Institute

of Pharmaceutical Sciences, October 29, 2018 to date.

- ❖ **Associate Professor**, Department of Pharmacy Practice and Department of Pharmaceutics, Baqai Institute of Pharmaceutical Sciences, September, 2011 to October 28, 2018.
- ❖ **Assistant Professor**, Department of Pharmaceutics, Baqai Institute of Pharmaceutical Sciences, November, 2007 to August 2011.
- ❖ **Senior Lecturer**, Department of Pharmaceutics, Baqai Institute of Pharmaceutical Sciences, April, 2007 to October, 2007.
- ❖ **Lecturer**, Department of Pharmaceutics, Baqai Institute of Pharmaceutical Sciences, April, 2006 to March, 2007.
- ❖ **Demonstrator**, Department of Pharmaceutics, Baqai Institute of Pharmaceutical Sciences, March, 2005 to March, 2006.
- ❖ **Instructor**, Department of Pharmaceutics, Baqai Institute of Pharmaceutical Sciences, August, 2003 to February, 2005.

OTHER POSITIONS

- ❖ **Editor-in-Chief**, **Baqai Journal of Health Sciences**, Karachi, January 2015 to date.
- ❖ **Senior Editor**, **International Journal of Endorsing Health Science Research**, Karachi, January 2017 to date.
- ❖ **Associate Editor**, **Baqai Journal of Health Sciences**, Karachi, February 2012 to December 2014.
- ❖ **Editor-in-Chief**, **BIPS NEWS** – A Newsletter of Baqai Institute of Pharmaceutical Sciences, January 2014 to March 2016.
- ❖ **In charge Pharma Mag**, published yearly by Baqai Institute of Pharmaceutical Sciences, 2012 to 2015.
- ❖ **Administrator and focal person for the anti-plagiarism “Turnitin Service”** provided by Higher Education Commission (HEC) to Baqai Medical University.
- ❖ **Officer In charge**, **Departmental Library**, Baqai Institute of Pharmaceutical Sciences, 2010 to date.
- ❖ **Member**, **E-Academic Council**, Baqai Medical University, April 2020 to date.
- ❖ **Member**, **E-Learning Committee**, Baqai Medical University, April 2020 to date.

- ❖ *Member, HEC Liaison Committee, Baqai Medical University, April 2020 to date.*
- ❖ *Member, Academic Board, Baqai Medical College, 2019 to date.*
- ❖ *Administrative Member, Board of Advanced Studies and Research (BASR), Baqai Medical University, May 2017 to date.*
- ❖ *Member, Board of Advanced Studies and Research (BASR), Baqai Medical University, January 2014 to January 2017; February 22, 2020 to date.*
- ❖ *Member, Special Committee, Baqai Medical University, February 2016 to date.*
- ❖ *Member, Academic Council, Baqai Medical University, 2014 to date.*
- ❖ *Member, Board of Studies, Jinnah Sindh Medical University, Karachi, February 2016 to date.*
- ❖ *Member, Board of Studies, Jinnah University for Women, Karachi, June 2014 to date.*
- ❖ *Expert, Selection Board for Pharmacy, Jinnah Sindh Medical University, Karachi, 2017.*
- ❖ *Coordinator, Alumni Affairs, Baqai Institute of Pharmaceutical Sciences, Baqai Medical University.*
- ❖ *External Examiner for Ph. D., M. Phil. and M. Pharm. Degrees, Hamdard University and University of Karachi (Faculty of Pharmacy and Pharmaceutical Sciences and HEJ Research Institute of Chemistry).*
- ❖ *External Examiner for Pharm. D., Dow University of Health Sciences, Jinnah Sind Medical University, Karachi.*
- ❖ *Reviewer / referee of:*

International Journals

1. *Analytical Chemistry Letters, Taylor & Francis, UK.*
2. *Chemical Engineering Journal, Elsevier Press, Netherlands.*
3. *Current Pharmaceutical Analysis, Bentham Science Publishers, UAE.*
4. *Drug Design, Development and Therapy Journal, Dove Press, New Zealand.*
5. *Drug Development and Industrial Pharmacy, Informa Healthcare, UK.*
6. *European Journal of Pharmaceutics and Biopharmaceutics, Elsevier Press, Netherlands.*
7. *International Journal of Photoenergy, Hindawi Publishing Corporation, Egypt.*
8. *Iranian Journal of Analytical Chemistry, Payame Noor University, Iran.*
9. *Journal of Hazardous Materials, Elsevier Press, Netherlands.*

10. *Journal of Pharmaceutical and Biomedical Analysis*, Elsevier Press, Netherlands.
11. *Journal of Pharmacy and Bioallied Sciences*, Medknow Publications, India.
12. *Journal of Pharmacy and Pharmacology*, Pharmaceutical Press, UK.
13. *Journal of Photochemistry and Photobiology A: Chemistry*, Elsevier Press, Netherlands.
14. *Journal of Photochemistry and Photobiology B: Biology*, Elsevier Press, Netherlands.
15. *Luminescence: The Journal of Biological and Chemical Luminescence*, John Wiley & Sons Inc., USA.
16. *Pharmaceutical Development and Technology*, Informa Healthcare, UK.
17. *Polymer Bulletin*, Springer Science + Business Media, USA.
18. *RAD Conference Proceedings*, RAD Association, Serbia.
19. *Results in Pharma Sciences*, Elsevier Press, Netherlands.
20. *RSC Advances*, Royal Society of Chemistry, UK.
21. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Elsevier Press, Netherlands.
22. *The Journal of Physical Chemistry*, American Chemical Society (ACS) Publications, USA.
23. *Water, Air, & Soil Pollution*, Springer, USA.

National Journals

24. *International Journal of Endorsing Health Science*, Advanced Educational Institute and Research Centre, Karachi.
25. *Journal of Diabetology*, Official Journal of Diabetes in Asia Study Group, Baqai Institute of Diabetology and Endocrinology, Karachi.
26. *Journal of Pharmacy and Pharmaceutical Sciences*, Faculty of Pharmacy, Jinnah University for Women, Karachi.
27. *Pakistan Journal of Pharmaceutical Sciences*, Faculty of Pharmacy, University of Karachi, Karachi.

HIGHER EDUCATION COMMISSION RECOGNIZED SUPERVISOR

Higher Education Commission (HEC), Government of Pakistan, approved supervisor for M. Phil. and Ph. D. studies (Supervisor ID # 18367).

SCHOLARSHIP / FELLOWSHIP

- ❖ Scholarship in 4th year B. Pharm. on achieving third position.
- ❖ Post Doctoral Fellowship at **The University of Sheffield, Sheffield, UK** by Higher Education

RESEARCH GRANTS

EXTERNAL

1. Award of Research Grant of Rs. _____/- by Higher Education Commission (HEC) under National Research Program for Universities (NRPU) on Project entitled **“Therapeutic Enzyme Collagenase: Nano-Formulations and their Stability Studies for Novel Dosage Forms (Project No. 6959)”**, 2019 (Co-Principal Investigator).

INTERNAL

2. Award of Research Grant of Rs. 100,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on M. Phil. Project entitled **“Formulation and Stability of Tolfenamic Acid in Gel Preparations (BASR No. 07/13)”**, 2014.
3. Award of Research Grant of Rs. 100,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on M. Phil. Project entitled **“Formulation and Stability of Amlodipine Besylate in Tablet Dosage Form (BASR No. 09/13)”**, 2014.
4. Award of Research Grant of Rs. 100,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on M. Phil. Project entitled **“Study of the Effect of Polymer on the Release of Simvastatin in Tablet Dosage Form (BASR No. 37/14)”**, 2015.
5. Award of Research Grant of Rs. 150,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on Ph. D. Project entitled **“Degradation Studies of Tolfenamic Acid (BASR No. 39/14)”**, 2015.
6. Award of Research Grant of Rs. 150,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on Ph. D. Project entitled **“Formulation, Evaluation and Stability Studies of Some Novel Dosage Forms (BASR No. 44/14)”**, 2015.
7. Award of Research Grant of Rs. 150,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on Ph. D. Project entitled **“Formulation and Stability Studies of Novel Sponge Dosage Forms (BASR No. 04/16)”**, 2017.
8. Award of Research Grant of Rs. 250,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on Ph. D. Project entitled **“(BASR No. 06/18)”**, 2019.
9. Award of Research Grant of Rs. 150,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on M. Phil. Project entitled **“(BASR No. 07/18)”**, 2019.
10. Award of Research Grant of Rs. 150,000/- by Board of Advanced Studies and Research (BASR), Baqai Medical University on M. Phil. Project entitled **“(BASR No. 08/18)”**, 2019.

INDUSTRIAL TRAINING

Training of 6 weeks in different departments of Brookes Pharmaceutical Laboratories (Pakistan) Ltd. including: Quality Control, Quality Assurance, Material Management, and Manufacturing Departments (pellets, tablet, capsule, liquid, semi solid, sterile, etc.).

OTHER COURSES / TRAININGS

1. A Training Course in **“Applied Bioinformatics”** held on May 8–June 30, 2011 (32 credit hours) at Baqai Institute of Information Technology, Baqai Medical University, Karachi.
2. Training course on **“Biological and Associated Waste Standard Course”** held on April 22, 2012 at The University of Sheffield, Sheffield, UK.
3. Training course on **“Biological and Associated Waste Advanced Course”** held on April 22, 2012 at The University of Sheffield, Sheffield, UK.
4. Training course on **“Radiation Protection for X-Ray Workers”** held on May 16, 2012 at The University of Sheffield, Sheffield, UK.

MEMBERSHIPS

- ❖ Member of American Chemical Society (ACS), USA.
- ❖ Member of Council of Asian Science Editors (CASE # 207) since December, 2017.

CONFERENCES, SEMINARS, SYMPOSIA, & WORKSHOPS ATTENDED

INTERNATIONAL

1. Seminar on **“Ultrasound-Based In Vivo Soft Tissues Biomechanics Estimation for Diagnosis and Therapeutic Applications”** by Prof. Alison Noble, University of Oxford, organized by Department of Materials Science and Engineering, The University of Sheffield, Sheffield, UK, May 09, 2012.
2. Seminar on **“Porous Polymeric Materials by Emulsion Templating”** by Prof. Neil Cameron, University of Durham, organized by Department of Materials Science and Engineering, The University of Sheffield, Sheffield, UK, May 23, 2012.
3. Seminar on **“Bioactive Ceramics, Composites and Coatings for Skeletal Repair”** by Prof. Serena Best, University of Cambridge, organized by Department of Materials Science and Engineering, The University of Sheffield, Sheffield, UK, October 03, 2012.

4. Seminar on **“Mechanically-Robust Composite Hydrogels for Tissue Engineering”** by Prof. Michelle Oyen, University of Cambridge, organized by Department of Materials Science and Engineering, The University of Sheffield, Sheffield, UK, October 24, 2012.
5. Seminar on **“Chitosan Based Materials for Biomedical Applications”** by Dr. Pogorelov Maksim, Sumy State University, Ukraine, organized by Department of Materials Science and Engineering, The University of Sheffield, Sheffield, UK, November 28, 2012.

NATIONAL

6. Workshop on **“Selling and Commercial Skills in Pharmaceuticals”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, January 11–13, 2005.
7. Workshop on **“The European Directorate for the Quality Medicines (EDQM): A Step Forward for the Quality and Standards of Medicine”**, organized by Pakistan Pharmaceutical Educational Foundation (PPEF), Karachi, January 26–27, 2006.
8. Workshop and Seminar on **“Horizons in PCR”**, organized by Institute of Hematology, Baqai Medical University, Karachi, May 9–11, 2006.
9. Symposium on **“Marketing of Pharmaceutical Products, Assessing the Moral and Ethical Issues”**, organized by Investment Marketing Conferences in collaboration with Ministry of Health and Baqai Medical University, Karachi, August 17, 2006.

Author of a Survey Report **“The Ethical Aspects of Pharmaceutical Products in Retail Pharmacy: The Present Scenario”**, presented in the symposium.

10. **“Medical Symposium–2007”**, organized by Baqai Medical University, Karachi, February 18–20, 2007.

Presented a paper on **“Combined Antibacterial Activity of Penicillins and Cephalosporins against Clinical Isolates”**.

11. **“Seminar and Practical Demonstration on LAL Test”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, November 8, 2007.
12. Workshop on **“Strengthening Internal Quality Assurance through Self Assessment”**, organized by Higher Education Commission, Karachi, April 28–29, 2010.
13. Workshop on **“Live Hospital Pharmacy Setup”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, April 22, 2010.
14. Seminar on **“Current Trend and Future Scope of Pharmacy in Pakistan”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, May 11, 2010.
15. Seminar on **“The Expert Speaks”**, organized by Ingrope Information Services and Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, November 11, 2010.

16. Seminar on **“The Concept of Modern Pharmacy”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, November 30, 2011.

17. Workshop on **“Validation of Analytical Methods”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, January 16, 2014.

Supervised the workshop and provided practical training on the validation of an analytical technique as per the guidelines of International Conference on Harmonization (ICH).

18. Seminar on **“Canadian Pharmacy Licensing Examination”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University in collaboration with MRx Pharmacy Institute (Ontario, Canada), February 20, 2014.

19. Seminar on **“Pharmaceutical Biotechnology”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University in collaboration with Crux Labs, March 20, 2014.

20. Seminar on **“Methods in Clinical Research”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University in collaboration with Advance Educational Institute and Research Center (AEIRC), April 23, 2014.

21. Seminar on **“Pharmacovigilance”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University in collaboration with Novartis Pharma (Pakistan) Limited, May 7, 2014.

22. Workshop on presentation skills entitled **“Present with Impact”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, August 29, 2014.

23. Seminar on writing skills entitled **“Qalam”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University in collaboration with Advance Educational Institute and Research Center (AEIRC) and Sports & Youth Affairs Department, Government of Sind, September 30, 2014.

24. Seminar on **“Novel Drug Delivery Systems in Pharmacy Practice”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University in collaboration with Pharmacy Graduates Association (PGA), March 12, 2015.

25. Guest Speaker on the topic **“Validation of Analytical Methods: Selection of Stress Conditions for Method Specificity”** at Herbion Pakistan Private Limited, January 14, 2016.

26. Seminar on **“Communication Skills for Health Professionals”**, organized by Baqai Institute of Pharmaceutical Sciences, Baqai Medical University in collaboration with Advance Educational Institute and Research Center (AEIRC), April 5, 2016.

27. Training Workshop on **“PhD Students’ Supervision”**, organized by Tertiary Education Support Program (TESP), Higher Education Commission, Karachi, April 28, 2017.

28. Session on **“Factors Influencing Quality Culture at Postgraduate Level”**, organized by

RESEARCH WORK

M. Phil. Thesis "*In Vitro Stability and Synergistic Studies of Cephalosporins and Semi Synthetic Penicillins against Clinical Isolates*" (2006).

Ph.D. Thesis "*Formulation and Stability of Ascorbic Acid in Liquid and Semisolid Preparations*" (2009) [HEC PCD No. 540].

BOOKS & CHAPTERS

BOOKS

1. Book on "*Borates: Chemical, Pharmaceutical and Pharmacological Aspects*", by Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Faiyaz H.M. Vaid, Nova Science Publishers Inc., New York, USA, ISBN: 978-1-61209-573-8 (2011).
2. Book on "*Stability of Drugs and Drug Products*", by Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed, Higher Education Commission of Pakistan, Islamabad, Pakistan, ISBN: 978-969-417-189-0 (2017).

Other Non-Scientific Book:

3. Biographical Book on "*BAQAI - Man with a Vision*", by Muhammad Ali Sheraz, Baqai University Press, Karachi, Pakistan (2017).

CHAPTERS & MONOGRAPHS

4. Chapter on "*Borate: Toxicity, Effect on Drug Stability and Analytical Applications*", by Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Faiyaz H.M. Vaid, In: **Handbook on Borates: Chemistry, Production and Applications** (M.P. Chung, Editor), Nova Science Publishers Inc., New York, USA, pp. 19-58, ISBN: 978-1-60741-822-1 (2010).
5. Chapter on "*Pharmacological Aspects of Borates*", by Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Kefi Iqbal, Faiyaz H.M. Vaid, In: **Advances in Medicine and Biology** (Leon V. Berhardt, Editor), Volume 20, Nova Science Publishers Inc., New York, USA, pp. 175-201, ISBN: 978-1-61209-135-8 (2011).
6. Chapter on "*Analytical Applications of Borates*", by Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed, Faiyaz H.M. Vaid, In: **Advances in Materials Science Research** (Maryann C. Wythers, Editor), Volume 9, Nova Science Publishers Inc., New York, USA, pp. 27-55, ISBN: 978-1-61324-485-2 (2012).
7. Chapter on "*Applications of Laser Flash Photolysis, Spectroscopy and Electron Microscopy in Photopolymerization and Development of Glass Ionomer Dental*

- Cements*", by Iqbal Ahmad, Kefi Iqbal, Sofia Ahmed, Muhammad Ali Sheraz, Mohammad Aminuddin, In: **Clinical Dentistry Research Compendium** (Giuseppe Alessandro Scardina, Editor), Nova Science Publishers Inc., New York, USA, pp. 57–74, ISBN: 978–1–62257–574–9 (2013).
8. Chapter on "**Pharmacological Effects of Ascorbic Acid**", by Muhammad Ali Sheraz, Marium Fatima Khan, Sofia Ahmed, Iqbal Ahmad, In: **Vitamin C: Dietary Sources, Technology, Daily Requirements and Symptoms of Deficiency** (Raquel P. F. Guine, Editor), Nova Science Publishers Inc., New York, USA, pp. 191–208, ISBN: 978–1–62948–154–8 (2013).
 9. Chapter on "**Stability of Sulfacetamide in Pharmaceutical Preparations: A Review**", by Sofia Ahmed, Noureen Anwar, Muhammad Ali Sheraz, Iqbal Ahmad, In: **Advances in Medicine and Biology** (Leon V. Berhardt, Editor), Volume 94, Nova Science Publishers Inc., New York, USA, pp. 139–148, ISBN: 978–1–63484–185–6 (2016).
 10. Chapter on "**Analytical Methods for the Determination of Fluoroquinolones in Pharmaceutical Preparations, Biological Fluids and Degraded Solutions**", by Iqbal Ahmad, Rahila Bano, Muhammad Ali Sheraz, Sofia Ahmed, Kiran Qadeer, Zubair Anwar, In: **Advances in Medicine and Biology** (Leon V. Berhardt, Editor), Volume 119, Nova Science Publishers Inc., New York, USA, pp. 121–178, ISBN: 978–1–53611–105–7 (2017).
 11. Chapter on "**Nanosponges: Characteristics, Methods of Preparation and Applications**", by Sadia Ahmed Zuberi, Muhammad Ali Sheraz, Sofia Ahmed, Zubair Anwar, Syed Abid Ali, Iqbal Ahmad, In: **Advances in Nanotechnology** (Zacharie Bartul and Jerome Trenor, Editors), Volume 18, Nova Science Publishers Inc., New York, USA, pp. 177–226, ISBN: 978–1–53611–995–4 (2017).
 12. Monograph on "**Tolfenamic Acid**", by Sofia Ahmed, Muhammad Ali Sheraz, Iqbal Ahmad, In: **Profiles of Drug Substances, Excipients and Related Methodology** (Harry G. Brittain, Editor), Volume 43, Elsevier Inc., Amsterdam, Netherlands, pp. 255–319, ISBN: 978–0–12–812226–6 (2018).
 13. Chapter on "**Analytical Techniques for the Assay of Sulfacetamide, its Degradation Products, and Other Sulfonamides: A Review**", by Sofia Ahmed, Noureen Anwar, Muhammad Ali Sheraz, Iqbal Ahmad, In: **Advances in Chemistry Research** (James C. Taylor, Editor), Volume 48, Nova Science Publishers Inc., New York, USA, pp. 99–148, ISBN: 978–1–53614–724–7 (2019).
 14. Monograph on "**Multicomponent Spectrometric Analysis of Drugs and Their Preparations**", by Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed, Zubair Anwar, In: **Profiles of Drug Substances, Excipients and Related Methodology** (Harry G. Brittain, Editor), Volume 44, Elsevier Inc., Amsterdam, Netherlands, pp. 379–413, ISBN: 978–0–12–817165–3 (2019).

PAPERS PUBLISHED / ACCEPTED

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Scopus ID: 24722356800



INTERNATIONAL

1. Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Faiyaz H.M. Vaid. **Effect of Borate Buffer on the Photolysis of Riboflavin in Aqueous Solution.** *Journal of Photochemistry and Photobiology B: Biology*, 93 (2), 82–87 (2008).
2. Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Muhammad Aminuddin, Faiyaz H.M. Vaid. **Effect of Caffeine Complexation on the Photolysis of Riboflavin in Aqueous Solution: A Kinetic Study.** *Chemical and Pharmaceutical Bulletin*, 57 (12), 1363–1370 (2009).
3. Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed, Faiyaz H.M. Vaid. **Analytical Applications of Borates.** *Materials Science Research Journal*, 3 (3/4), 173–202 (2009).
4. Iqbal Ahmad, Faiyaz H.M. Vaid, Sofia Ahmed, Muhammad Ali Sheraz, Sohail Hasan. **Advances in Biochemical Functions and the Photochemistry of Flavins and Flavoproteins.** *International Journal of Chemical and Analytical Science*, 1 (2), 18–21 (2010).
5. Muhammad Ali Sheraz, Sofia Ahmed, Iqbal Ahmad, Kiran Qadeer, Faiyaz H.M. Vaid. **Photodegradation and Photostabilization of Ascorbic Acid in Pharmaceutical Preparations.** *International Journal of Chemical and Analytical Science*, 1 (4), 68–70 (2010).
6. Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Faiyaz H.M. Vaid, Izhar A. Ansari. **Effect of Divalent Ions on Photodegradation Kinetics and Pathways of Riboflavin in Aqueous Solution.** *International Journal of Pharmaceutics*, 390 (2), 174–182 (2010).
7. Muhammad Ali Sheraz, Sofia Ahmed, Khursheed Ali Khan. **In Vitro Antibacterial Activity of Combinations of Ampicillin and Cephalosporins against Clinical Isolates.** *Drug Invention Today*, 2 (5), 271–274 (2010).
8. Iqbal Ahmad, Muhammad Ali Sheraz, Riaz Hussain Shaikh, Sofia Ahmed, Faiyaz H.M. Vaid. **Photostability of Ascorbic Acid in Aqueous and Organic Solvents.** *Journal of Pharmacy Research*, 3 (6), 1237–1239 (2010).
9. Sofia Ahmed, Muhammad Ali Sheraz, Iqbal Ahmad. **Surgical Trends in the Treatment of Parkinson's Disease and their Outcome.** *Journal of Medical Sciences (Now Hamdan Medical Journal)*, 3 (3), 142–152 (2010).
10. Sofia Ahmed, Muhammad Ali Sheraz, Muhammad Aminuddin, Iqbal Ahmad, Karamat Mahmood, Kefi Iqbal. **Analysis of Amino Acids by Paper Chromatography.** *International*

11. Muhammad Aminuddin, Sofia Ahmed, Muhammad Ali Sheraz, Iqbal Ahmad, Karamat Mahmood, J.N. Miller. **Fluorescent Labeling of Human Albumin using the New Aromatic Dialdehyde Labels and the Study of Inner Filter Effect.** *Journal of Pharmacy and Bioallied Sciences*, 2 (4), 369–371 (2010).
12. Iqbal Ahmad, Sofia Ahmed, Muhammad Ali Sheraz, Kefi Iqbal, Faiyaz H.M. Vaid. **Pharmacological Aspects of Borates.** *International Journal of Medical and Biological Frontiers*, 16 (9/10), 977–1003 (2010).
13. Iqbal Ahmad, Kefi Iqbal, Sofia Ahmed, Muhammad Ali Sheraz, Mohammad Aminuddin. **Applications of Laser Flash Photolysis, Spectroscopy and Electron Microscopy in Photopolymerization and Development of Glass Ionomer Dental Cements.** *International Journal of Clinical Dentistry*, 4 (1), 57–73 (2011).
14. Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed, Sadia Hafeez Kazi, Tania Mirza, Mohammad Aminuddin. **Stabilizing Effect of Citrate Buffer on the Photolysis of Riboflavin in Aqueous Solution.** *Results in Pharma Sciences*, 1 (1), 11–15 (2011).
15. Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed, Riaz Hussain Shaikh, Faiyaz H.M. Vaid, Saif ur Rehman Khattak, Shakeel A. Ansari. **Photostability and Interaction of Ascorbic Acid in Cream Formulations.** *AAPS PharmSciTech*, 12 (3), 917–923 (2011).
16. Muhammad Ali Sheraz, Sofia Ahmed, Iqbal Ahmad, Faiyaz H.M. Vaid, Kefi Iqbal. **Formulation and Stability of Ascorbic Acid in Topical Preparations.** *Systematic Reviews in Pharmacy*, 2 (2), 86–90 (2011).
17. Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed, Raheela Bano, Faiyaz H.M. Vaid. **Photochemical Interaction of Ascorbic Acid with Riboflavin, Nicotinamide and Alpha-Tocopherol in Cream Formulations.** *International Journal of Cosmetic Science*, 34 (2), 123–131 (2012).
18. Iqbal Ahmad, Muhammad Ali Sheraz, Sofia Ahmed, Zufi Shad, Faiyaz H.M. Vaid. **Photostabilization of Ascorbic Acid with Citric Acid, Tartaric Acid and Boric Acid in Cream Formulations.** *International Journal of Cosmetic Science*, 34 (3), 240–245 (2012).
19. Saif ur Rehman Khattak, Dilnawaz Shaikh, Iqbal Ahmad, Khan Usmanghani, Muhammad Ali Sheraz, Sofia Ahmed. **Photodegradation and Stabilization of Betamethasone-17 Valerate in Solution and Topical Formulations.** *AAPS PharmSciTech*, 14 (1), 177–182 (2013).
20. Iqbal Ahmad, Tania Mirza, Kefi Iqbal, Sofia Ahmed, Muhammad Ali Sheraz, Faiyaz H.M. Vaid. **Effect of pH, Buffer and Viscosity on the Photolysis of Formylmethylflavin: A Kinetic Study.** *Australian Journal of Chemistry*, 66 (5), 579–585 (2013).
21. Sofia Ahmed, Muhammad Ali Sheraz, Ihtesham ur Rehman. **Studies on Tolfenamic Acid-Chitosan Intermolecular Interactions: Effect of pH, Polymer Concentration and**

- Molecular Weight.** *AAPS PharmSciTech*, 14 (2), 870–879 (2013).
22. Iqbal Ahmad, Raheela Bano, Muhammad Ali Sheraz, Sofia Ahmed, Tania Mirza, Shakeel Ahmad Ansari. **Photodegradation of Levofloxacin in Aqueous and Organic Solvents: A Kinetic Study.** *Acta Pharmaceutica*, 63 (2), 221–227 (2013).
 23. Sofia Ahmed, Muhammad Ali Sheraz, Ceyla Yorucu, Ihtesham ur Rehman. **Quantitative Determination of Tolfenamic Acid and its Pharmaceutical Formulation using FTIR and UV Spectrometry.** *Central European Journal of Chemistry (Now Open Chemistry)*, 11 (9), 1533–1541 (2013).
 24. Iqbal Ahmad, Kiran Qadeer, Kefi Iqbal, Sofia Ahmed, Muhammad Ali Sheraz, Syed Abid Ali, Tania Mirza, Ambreen Hafeez. **Correction for Irrelevant Absorption in Multicomponent Spectrophotometric Assay of Riboflavin, Formylmethylflavin and Degradation Products: Kinetic Applications.** *AAPS PharmSciTech*, 14 (3), 1101–1107 (2013).
 25. Hilal Istanbulu, Sofia Ahmed, Muhammad Ali Sheraz, Ihtesham ur Rehman. **Development and Characterization of Novel Polyurethane Films Impregnated with Tolfenamic Acid for Therapeutic Applications.** *BioMed Research International*, 2013, 178973 (2013).
 26. Iqbal Ahmad, Kefi Iqbal, Muhammad Ali Sheraz, Sofia Ahmed, Tania Mirza, Sadia Hafeez Kazi, Muhammad Aminuddin. **Photoinitiated Polymerization of 2-Hydroxyethyl Methacrylate by Riboflavin / Triethanolamine in Aqueous Solution: A Kinetic Study.** *ISRN Pharmaceutics*, 2013, 958712 (2013).
 27. Iqbal Ahmad, Kefi Iqbal, Muhammad Ali Sheraz, Sofia Ahmed, Syed Abid Ali, Sadia Hafeez Kazi, Tania Mirza, Raheela Bano, Mohammad Aminuddin. **Solvent Effect on Photoinitiator Reactivity in the Polymerization of 2-Hydroxyethyl Methacrylate.** *Advances in Physical Chemistry*, 2013, 838402 (2013).
 28. Muhammad Ali Sheraz, Sadia Hafeez Kazi, Sofia Ahmed, Tania Mirza, Iqbal Ahmad, Maxim P. Evstigneev. **Effect of Phosphate Buffer on the Complexation and Photochemical Interaction of Riboflavin and Caffeine in Aqueous Solution: A Kinetic Study.** *Journal of Photochemistry and Photobiology A: Chemistry*, 273, 17–22 (2014).
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83. Muhammad Ali Sheraz, Nazish Kanwal, Syed Furqan Ahsan, Sofia Ahmed, Syed Ahmed Hussain, Iqbal Ahmad. **Effect of Different Grades of Polymer on the Formulation and Stability of Fast Disintegrating Tablets of Simvastatin.** Submitted to Journal of Reports in Pharmaceutical Sciences.
84. Iqbal Ahmad, Zubair Anwar, Syed Abid Ali, Muhammad Raza Shah, Farid Ahmed, Ayaz Ahmed, Sofia Ahmed, Muhammad Ali Sheraz. **Photochemical Preparation Characterization and Formation Kinetics of Riboflavin Conjugated Silver Nanoparticles.** Submitted to.
85. Muhammad Ali Sheraz, Nazish Kanwal, Sofia Ahmed, Iqbal Ahmad. **Impact of Polymers on Drug Release: A Review.** Submitted to Science, Technology and Development.
86. Muhammad Ali Sheraz, Syeda Ayesha Ahmed un Nabi, Sofia Ahmed, Nafeesa Mustaan, Iqbal Ahmad. **Characterization and In Vitro Stability of Tolfenamic Acid Loaded Carboxymethylcellulose Hydroalcoholic gels.** Under Preparation.
87. Muhammad Ali Sheraz, Sofia Ahmed, Syeda Ayesha Ahmed un Nabi, Nafeesa Mustaan, Iqbal Ahmad. **Clinical Applications and Interactions of Tolfenamic Acid.** Under Preparation.

STUDENTS SUPERVISED FOR HIGHER DEGREES

Ph.D.

1. Ms. Sadia Hafeez Kazi. **Degradation Studies of Tolfenamic Acid,** Baqai Medical University, March 2014 to date.
2. Ms. Marium Fatima Khan. **Formulation, Evaluation and Stability Studies of Some Novel Dosage Forms,** Baqai Medical University, March 2014 to date.
3. Ms. Sadia Ahmed. **Formulation and Stability Studies of Novel Sponge Dosage Forms,**

Baqai Medical University, January 2016 to date.

4. **Mr. Syed Furqan Ahsan. *Formulation and Stability of Novel Dosage Form of Tenofovir Alafenamide*, Baqai Medical University, March 2018 to date.**

M. Phil.

1. **Ms. Sadia Hafeez Kazi. *Effect of Caffeine Complexation on the Degradation Pathway of Riboflavin in Aqueous Solution*, Baqai Medical University, June 2011 to September 2013.**
2. **Ms. Marium Fatima Khan. *Factors Affecting Formulation Characteristics and Stability of Semisolid Dosage Form*, Baqai Medical University, August 2011 to November 2013.**
3. **Ms. Syeda Ayesha Ahmed un Nabi. *Formulation and Stability of Tolfenamic Acid in Gel Preparations*, Baqai Medical University, July 2013 to December 2015.**
4. **Mr. Syed Furqan Ahsan. *Formulation and Stability of Amlodipine Besylate in Tablet Dosage Form*, Baqai Medical University, July 2013 to December 2015.**
5. **Ms. Nazish Kanwal. *Study of the Effect of Polymer on the Release of Simvastatin in Tablet Dosage Form*, Baqai Medical University, March 2014 to May 2017.**
6. **Mr. Talha Mehmood. *Formulation and Stability of Dapagliflozin Orodispersible Tablets*, Baqai Medical University, March 2018 to date.**
7. **Mr. Hasnan Ali. *Preparation and Characterization of Patches through Iontophoretic System*, Baqai Medical University, March 2018 to date.**
8. **Mr. Usman Tahir. Baqai Medical University, March 2019 to date.**
9. **Mr. Raahim Ali. Baqai Medical University, March 2019 to date.**
10. **Ms. Safoora Tariq. Baqai Medical University, March 2019 to date.**

M.Sc.

During the Postdoctoral studies in the Department of Materials Science and Engineering, The Kroto Research Institute, The University of Sheffield, UK, I also assisted my supervisor in guiding the following students in their M.Sc. projects:

1. **Ms. Hilal Istanbulu, *Controlling the Drug Availability by its Interaction with Polymer*, 2012.**
2. **Ms. Maryam Qidwai, *A Bioactive Composite Material for Endodontic Obturating Applications*, 2012.**
3. **Ms. Chinyere Stella, *Effect of Hypromellose on the Solid-state Properties and Release of Tolfenamic Acid*, 2013.**

COMPUTER SKILLS

- ❖ *MS-Office.*
- ❖ *Web surfing and Net Search.*

EXTRACURRICULAR ACTIVITIES

- ❖ *Coach of boys and girls cricket team of Baqai Institute of Pharmaceutical Sciences, 2009.*
- ❖ *Reading & writing articles, internet surfing.*
- ❖ *Interest in sports like cricket, table tennis, etc.*

REFERENCES

Shall be provided if required.