

CURRICULUM VITAE

Dr. Mir Azam Khan

Associate Professor,
Department of Pharmacy,
University of Malakand,
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Post.Doc. Kyungpook National University, Daegu, South Korea

Ph. D. University of Peshawar, Peshawar-25120, Pakistan

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PERSONAL INFORMATIONS

Date of Birth: March 3, 1974

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ACADEMIC CAREER

Post.Doc.	2008	Analytical Chemistry	Kyungpook National Uni. South Korea
Ph. D.	2005	Chemistry (Analytical)	University of Peshawar
B. Pharm.	1996	1 st Division	Gomal University, D.I. Khan
H. S. S. C.	1991	1 st Division	B. I. S. E. Peshawar
S. S. C.	1989	1 st Division	B. I. S. E. Peshawar

Ph.D. THESIS:

“Investigation of New Methods for the Determination of Selected Diuretic, Antibacterial, Osmotic Laxative and Anti-inflammatory Drugs in Pharmaceutical Preparations”

PUBLICATIONS

A. Published Papers

1. Naveed Ullah, Mir Azam Khan, Afzal Haq Asif, Habib Ahmad, Taimur Khan, Taous Khan and Waqar Ahmad. A comparison study of Morven gold and Tander Virginia cigarettes with respect to its spasmogenic, spasmolytic and chemical screening. *African Journal of Pharmacy and Pharmacology*. 5(3), 347-351 (2011).
2. Naveed Ullah , Afzal Haq Asif, **Mir Azam Khan**, Waqar Ahmad, Niaz Ali, Taimur Khan, Afrasiab Ali Shah. Chemical analyses of naswar and cigarettes; A comparative study. *International journal of basic and clinical research*. 1(1): 12-14 (2011).
3. Fazli Wahid, Taous Khan, Fazli Subhan, **Mir Azam Khan** and You Young Kim Ginseng pharmacology: multiple molecular targets and recent clinical trials (review article). *Drugs of the Future*, 35(5): 399-407 (2010).
4. **Mir Azam Khan**, Seikh Mafiz Alam, Saikh Mohammad Wabaidur, Sang Hak Lee, Yeoun Suk Suh and Jong Ha Choi. A Fiber Optic pH Sensor with 1-(2-Pyridylazo)-2-Naphthol Doped in Silica Sol-Gel Film. *Sensor Lett.* 7, 1–5 (2009).
5. **Mir Azam Khan**, Seung Oh Jin, Sang Hak Lee, Hye Young Chung. Spectrofluorimetric determination of vitamin B₁ using horseradish peroxidase as catalyst in the presence of hydrogen peroxide. *Luminescence (The Journal of Biological and Chemical Luminescence)* 24: 73–78 (2009).
6. Saikh Mohammad Wabaidur, Seikh Mafiz Alam, **Mir Azam Khan**, Sang Hak Lee, Voltammetric Determination of Benserazide in Pharmaceutical Formulations Using Modified Electrode: *Applied Chemistry*, 12 (1), 85-88 (2008).
7. **Mir Azam Khan**, Saikh Mohammad Wabaidur, Wook Hyun Kim, Sang Hak Lee, Electrochemical method for determination of thiamine using modified glassy carbon electrode: *Applied Chemistry*, 12(1), 77-80 (2008).
8. Nausheen Bukhari, Jong Ha Choi, Chi Wan Jeon, Hyun Woo Park, Wook Hyun Kim, **Mir Azam Khan**, Sang Hak Lee, Phytochemical Studies of the Alkaloids from *Peganum Harmala*: *Applied Chemistry*, 12 (1), 101-104 (2008).
9. Chi Wan Jeon, **Mir Azam Khan** , Sang Hak Lee ,Mohammad Mainul Karim , Hee Kyung Lee , Yeoun Suk Suh, Seikh Mafiz Alam and Hye Young Chung. Optical Flow-Through Sensor for the Determination of Norfloxacin Based on Emission of KMnO₄–Na₂SO₃–Tb³⁺ System. *Journal of Fluorescence*, 18, 843-851 (2008).
10. **Mir Azam Khan**, Mohammad Mainul Karim, Saikh Mohammad Wabaidur, Seung Oh Jin and Sang Hak Lee “Spectrophotometric Method for the Determination of Nimesulide in Bulk and Various Dosage Forms” *Applied Chemistry*, 11 (2), 453-456 (2007).

11. Chi Wan jeon, Seikh Mafiz Alam, **Mir Azam Khan**, Wook Hyun Kim, Yeoun Suk Suh and Sang Hak Lee. Optical Flow-Through Sensor for the Determination of gatifloxacin Based on Emission of $\text{KMnO}_4\text{-Na}_2\text{SO}_3\text{-Tb}^{3+}$ System. *Applied Chemistry*, 11(2), 445-448 (2007).
12. **Mir Azam Khan**, Zafar Iqbal, Mohammad Rasul Jan, Jasmin Shah, Waqar Ahmad, Zia-Ul-Haq and Obaidullah. "A Spectrophotometric Method for Quantitative Determination of Lactulose in Pharmaceutical Preparations" *Journal of Analytical Chemistry*, 61(1), 32-36 (2006).
11. Jasmin Shah, M. Rasul Jan and **Mir Azam Khan**, "Determination of Furosemide by Simple Diazotization Method in Pharmaceutical Preparations" *Journal of the Chinese Chemical Society*, 52(2), 347-352 (2005).
12. J. Shah, M. Rasul Jan, **Mir Azam Khan** and S. Amin, "Spectrophotometric Determination of Metoclopramide in Pharmaceutical Preparations" *Journal of Analytical Chemistry*, 60(7), 633-635 (2005).
13. Taous Khan, Mansoor Ahmad, Hamayun Khan and **Mir Azam Khan**, "Biological Activities of Aerial Parts of *Paeonia emodi* Wall." *African Journal of Biotechnology*, 4(11), 1313-16 (2005).
14. **Mir Azam Khan**, Mohammad Rasul Jan, Jasmin Shah, Zafar Iqbal and Hamayun Khan, "Spectrophotometric Determination of Lactulose in Pharmaceutical Preparations Using Acid Hydrolysis" *American Laboratory*, 36(14), 41-44 (2004).
15. Habib-ur-Rehman, Mustafa Pasha, Zafar Iqbal, Muhammad Tariq, **Mir Azam Khan** and Waqar Ahmad, "Spectrophotometric Method for Quantification of Ranitidine HCl in Pharmaceutical Preparations" *Journal of Science and Technology*, 28(1&2), 105-110, (2004).
16. M. Rasul Jan, Jasmin Shah and **Mir Azam Khan**, "Spectrophotometric Determination of Sulfamethoxazole in Different Pharmaceutical Brands of Cotrimoxazole" *American Biotechnology Laboratory*, 20(10), 22-24 (2002).

B. Poster Presentations (Abstracts)

1. Lee, S.H., Park, H.W., **Khan, M.A.**, Chung, H.Y., Suh, Y.S., Wabaidur, S.M., Choi, J.H., Determination of enoxacin in pharmaceutical formulation by solid phase fluorescence spectroscopy: Abstracts of the 15th ISBC, Shanghai, China, 2008. (5.13-5.17). *Luminescence*, 23(2), 79-79 (2008).
2. Lee, S.H., Park, H.W., **Khan, M.A.**, Sensitive fluorimetric determination of acetylsalicylic acid based on interaction with 18-crown-6: Abstracts of the 15th ISBC, Shanghai, China, 2008. (5.13-5.17). *Luminescence*, 23(2), 79-79 (2008).
3. **Khan, M.A.**, Lee, S.H., Alam, S.M., Wabaidur, S.M., Chung, H.Y., Determination of ciprofloxacin in pharmaceutical formulation by chemiluminescence method: Abstracts of the 15th ISBC, Shanghai, China, 2008. (5.13-5.17). *Luminescence*, 23(2), 76-76 (2008).
4. **Khan, M.A.**, Alam, S.M., Lee, S.H., Flow injection analysis with chemiluminescence detection: determination of gatifloxacin using the KMnO_4 -formaldehyde system: Abstracts of the 15th ISBC, Shanghai, China, 2008. (5.13-5.17). *Luminescence*, 23(2), 76-76 (2008).

5. Nausheen Bukhari, Jong Ha Choi, Chi Wan Jeon, Hyun Woo Park, Wook Hyun Kim, **Mir Azam Khan**, Sang Hak Lee, Phytochemical Studies of the Alkaloids from *Peganum Harmala*: Abstracts of the 37th KSIEC Meeting, p.226, Ansan, Korea, 2008. (5.9-5.10).
6. **Mir Azam Khan**, Saikh Mohammad Wabaidur, Wook Hyun Kim, Sang Hak Lee, Electrochemical method for determination of thiamine using modified glassy carbon electrode: Abstracts of the 37th KSIEC Meeting, p.196, Ansan, Korea, 2008. (5.9-5.10).
7. Saikh Mohammad Wabaidur, Seikh Mafiz Alam, **Mir Azam Khan**, Sang Hak Lee, Voltammetric Determination of Benserazide in Pharmaceutical Formulations Using Modified Electrode: Abstracts of the 37th KSIEC Meeting, p.195, Ansan, Korea, 2008. (5.9-5.10).
8. Sang Hak Lee, Jong Ha Choi, **Mir Azam Khan**, Wook Hyun Kim, Simultaneous determination of levodopa and benserazide by electrochemical method using modified glassy carbon electrode: Abstracts of the 101th Annual Meeting of the Korean Chemical Society, p.364, Ilsan, Korea, 2008. (4.17-4.18).
9. **Mir Azam Khan**, Sang Hak Lee, Determination of ceftazidime by using calcein as chemiluminescence reagent: Abstracts of the 101th Annual Meeting of the Korean Chemical Society, p.364, Ilsan, Korea, 2008. (4.17-4.18).
10. Sang Hak Lee, Hye Young Chung, Wook Hyun Kim, **Mir Azam Khan**, Simultaneous determination of harman and norharman by derivative synchronous luminescence spectroscopy: Abstracts of the 101th Annual Meeting of the Korean Chemical Society, p.361, Ilsan, Korea, 2008. (4.17-4.18).
11. Sang Hak Lee, Seung Oh Jin, Hye Young Chung, **Mir Azam Khan**, Fluorimetric determination of vitamin B₁ using HRP in the presence of H₂O₂: Abstracts of ASIANALYSIS 9, p.300, Jeju, Korea, 2007. (11.4-11.8).
12. Jasmin shah, Mohammad Rasul Jan, **Mir Azam Khan**, Tahira Naz, Seikh Mafiz Alam, Sang Hak Lee, Spectrophotometric method for the determination of cephadrine in bulk and pharmaceutical preparation using complexation with copper: Abstracts of ASIANALYSIS 9, p.293, Jeju, Korea, 2007. (11.4-11.8).
13. Wook Hyun Kim, Mohammad Mainul Karim, Sang Hak Lee, **Mir Azam Khan**, Fluorimetric optical pH sensor using Nile blue derivative: Abstracts of ASIANALYSIS 9, p.284, Jeju, Korea, 2007. (11.4-11.8).
14. Mohammad Mainul Karim, Hyun Woo Park, Sang Hak Lee, **Mir Azam Khan**, Hee Kyung Lee, Jong Ha Choi, Hyo Sook Seo, Terbium composite nano particle-sensitized luminescence method for the assay of salicylic acid: Abstracts of ASIANALYSIS 9, p.273, Jeju, Korea, 2007. (11.4-11.8).
15. Hyo Sook Seo, Hyun Woo Park, Sang Hak Lee, Hye Young Chung, Chi Wan Jeon, **Mir Azam Khan**, Selective fluorimetric recognition of cesium ion by 15-crown-5-anthracene: Abstracts of ASIANALYSIS 9, p.199, Jeju, Korea, 2007. (11.4-11.8).
16. Sang Hak Lee, Mohammad Mainul Karim, Mir Azam Khan, Saikh Mohammad Wabaidur, Wook Hyun Kim, Jong Ha Choi, Hyo Sook Seo, Second derivative synchronous fluorescence spectroscopy for the simultaneous determination of harman and norharman in cigarette condensate: Abstracts of ASIANALYSIS 9, p.190, Jeju, Korea, 2007. (11.4-11.8).

17. Chi Wan Jeon, Seikh Mafiz Alam, **Mir Azam Khan**, Wook Hyun Kim, Yeoun Suk Suh, Sang Hak Lee Optical Flow-Through Sensor for the Determination of Gatifloxacin Based on Emission of $\text{KMnO}_4\text{-Na}_2\text{SO}_3\text{-Tb}^{3+}$ System:, Abstracts of the 36th KSIEC Meeting, p.112, Ansong, Korea, 2007. (11.2-11.3).
18. **Mir Azam Khan**, Mohammad Mainul Karim, Saikh Mohammad Wabaidur, Seung Oh Jin, Sang Hak Lee, Spectrophotometric Method for the Determination of Nimesulide in Bulk and Various Dosage Forms: Abstracts of the 36th KSIEC Meeting, p.111, Ansong, Korea, 2007. (11.2-11.3).
19. Wook Hyun Kim, Chi Wan Jeon, Sang Hak Lee, **Mir Azam Khan**, Quantitative determination of vitamin P1 using chemiluminescence from lucigenin in presence of H_2O_2 : Abstracts of the 8th Youngnam Area Meeting of Kor. Chem. Soc., p.48, 2007. (11.17, Pusan, Korea).
20. **Mir Azam Khan**, Sang Hak Lee, Park Hyun Woo, Wook Hyun Kim, Hye Young Chung. Selective fluorimetric determination of Cs: Abstracts of the 8th Youngnam Area Meeting of Kor. Chem. Soc., p.47, 2007. (11.17, Pusan, Korea).
21. S. M. Wabaidur, Sang Hak Lee, **Mir Azam Khan**. Determination of bilirubin by chemiluminescence method:, Abstracts of the 100th Annual Meeting of the Korean Chemical Society, p.382, Taegu, Korea, 2007. (10.18-10.19).
22. M. M. Karim, Sang Hak Lee, **Mir Azam Khan**. Spectrofluorimetric estimation of epinephrine using ethylenediamine condensation method: Abstracts of the 100th Annual Meeting of the Korean Chemical Society, p.381, Taegu, Korea, 2007. (10.18-10.19).
23. S. M. Alam, Mir Azam Khan, Hyun Woo Park, Hye Young Chung, Sang Hak Lee, A sensitive chemiluminescence determination of mandelic acid in capsules and human urine using $\text{Ru}(\text{bipy})_3^{2+}$ - $\text{Ce}(\text{IV})$ system: Abstracts of the 100th Annual Meeting of the Korean Chemical Society, p.380, Taegu, Korea, 2007. (10.18-10.19).
24. Wook Hyun Kim, **Mir Azam Khan**, S. M. Alam, Sang Hak Lee. Synchronous fluorimetric method for the simultaneous determination of catecholamine's in pharmaceutical formulation:, Abstracts of the 100th Annual Meeting of the Korean Chemical Society, p.378, Taegu, Korea, 2007. (10.18-10.19).
25. **Mir Azam Khan**, Sang Hak Lee, Hye Young Chung, Wook Hyun Kim. Spectrophotometric determination of cephadrine in pure and pharmaceutical preparations: Abstracts of the 100th Annual Meeting of the Korean Chemical Society, p.378, Taegu, Korea, 2007. (10.18-10.19).
26. Seung Oh Jin, Sang Hak Lee, **Mir Azam Khan**, M. M. Karim, S .M. Wabaidur. Determination of vitamin P1 by Lucigenin Chemiluminescence: Abstracts of the 100th Annual Meeting of the Korean Chemical Society, p.367, Taegu, Korea, 2007. (10.18-10.19).

PROFESSIONAL EXPERIENCE

1. Worked as Pharmacist, Hizat Pharmaceuticals (Pvt.) Ltd. Peshawar from July 10, 1996 to October 31, 1997.
2. Worked as Quality Assurance Manager, Nafar Pharmaceuticals (Pvt.) Ltd. Peshawar from Nov. 1997 to Sep. 2003.

3. Worked as Lecturer at Department of Pharmacy, University of Malakand from Oct.2003 to Feb.2006.
4. Worked as Assistant Professor at Department of Pharmacy, Sarhad University of Science and technology, Peshawar N.W.F.P, Pakistan from March 2006 to June 2007.
5. Post Doc. Researcher at Kyungpook National University, South Korea (BK21) from July 3, 2007 to July 2, 2008.
6. Worked as Assistant Prof. Department of Pharmacy, Sarhad University of Science and Technology, Peshawar N.W.F.P, Pakistan from July 14, 2008 to 13 Dec. 2008.
7. Worked as Assistant Prof. Department of Pharmacy, University of Malakand, Chakdara, from 15 Dec. 2008 to Oct 03, 2010.
8. Currently working as Associate Prof. at Department of Pharmacy, University of Malakand, Chakdara, from Oct 04, 2010 till date.

CONFERENCES / SYMPOSIA /WORKSHPS ATTENDED

1. Workshop on “Research Methods and Techniques” organized by PUTA/IMS University of Peshawar, Nov. 8-10, 1999.
2. National Workshop on Rational use of Drugs, organized by Ministry of Health in collaboration with WHO & PPA, Dec. 13-14, 1999 at Peshawar.
3. 1st International & 11th National Chemistry Conference, April. 10-14, 2001 at University of Peshawar, Pakistan (**Paper Presented**)
4. Operational/Troubleshooting Training on Atomic Absorption Spectroscopy, Feb. 4-8, 2002, organized by PCSIR, sponsored by Ministry of Science & Technology, Govt. of Pakistan, at Islamabad.
5. 7th National Symposium on Analytical and Environmental Chemistry, March 4-5, 2003, at the Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro (Pakistan). (**Paper Presented**)
6. 3rd National Conference on Pharmaceutical Sciences, July 8-12, 2003, at the Baragali Summer Camp, University of Peshawar (Pakistan). (**Paper Presented**)
7. The 9th Asian Conference on Analytical Sciences & the 39th Convention of the Korean Society of Analytical Sciences. Nov. 4—8, 2007, at Jeju island, South Korea.

REFERENCES

1. Prof. M. Rasul Jan, Vice Chancellor, University of Malakand, (Chakdara, Dir), Pakistan.
2. Prof. Sang Hak Lee, Department of Chemistry, Kyungpook National University, Daegu, South Korea.