

Curriculum Vitae

Personal

Name: Anisa Ali Nasr Elhamili, (**Professor**).

Nationality: Libyan

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Education

2011: Doctoral degree (PhD) in Pharmaceutical Analysis and Quality Control from Uppsala University, Sweden.

2006: Master Degree (M. Sc.) in Pharmaceutical Analysis and Quality Control, Uppsala University, Sweden.

1997-2002: Bachelor Degree (B. Sc.) Pharmacy with honor degree and excellent grade in almost all subjects, Faculty of Pharmacy, University of Tripoli- Libya.

Areas of research interest and expertise

- Quality control and quality assurance of Medical and Pharmaceutical products and compliance of cGMP, ICH, USP and FDA guidelines.
- Method development and validation using liquid based separation coupled to different mass spectrometry techniques for Biomedical and Pharmaceutical analysis.
- Design of new sample preparation methods for selective extraction of analytes from complex matrices.
- Pharmaceutical analysis including therapeutic monitoring of drugs and their metabolites in different biofluids.
- Analysis of recombinant protein drugs and determination of polypeptides in various biological materials.
- Quality control, design and formulation of Nano-Particles for Pharmaceutical Analysis.
- Drafted and reviewed analytical methods, validation protocol and validation reports.

Qualification and Teaching activity

2022-present: Professor of Pharmaceutical Analysis and Quality Control, Faculty of Pharmacy, University of Tripoli.

2018-2022: Associate Professor of Pharmaceutical Analysis and QC, Faculty of Pharmacy, University of Tripoli.

2014-2018: Assistant Professor of Pharmaceutical Analysis and QC, Faculty of Pharmacy, University of Tripoli.

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2012-2014: Lecturer at Department of Pharmaceutical Chemistry, University of Tripoli.

2016-2019: Head of department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Tripoli- Libya.

2017-present: GMP inspector (team leader) at Ministry of Health, Tripoli- Libya.

2009-2010: Teaching assistance for Master degree students in Quality Control courses at Uppsala University, Sweden.

2003-2005: Researcher at Biotechnology Research Center, Tripoli-Libya

2003-2005: Teaching assistance for undergraduate students in Medicinal Chemistry, Pharmaceutical Analysis and Quality Control courses at department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Tripoli.

Transferable skills

- Completion of an intensive training course at Uppsala University, Sweden covering the effective skills of teaching, teaching portfolio, grading criteria, methods of examination and course evaluation.
- Excellent training program at Uppsala University concerning research ethics, philosophy of science, laboratory safety, literature search, writing a scientific paper and a grant application.
- High communication and research presentation skills (both oral and poster) as revealed by giving and attending seminars at different scientific occasions.
- The ability to work as an independent scientist and in collaboration with a team as indicated by supervision of master degree students and having national and international collaborations.
- Excellent knowledge and experience on Microsoft Word, Excel, PowerPoint, Internet and Email.

Publications and scientific communications

Publications

1. **Anisa Elhamili**, Jonas Bergquist. *Electrophoresis* 2011, 32, 1778-1785. A method for quantitative analysis of anticancer drug in human plasma with CE-ESI-TOF-MS.
2. **Anisa Elhamili**, Jörgen Samuelsson, Jonas Bergquist, Magnus Wetterhall. *Electrophoresis* 2011, 32, 647-658. Optimizing the extraction, separation and quantification of Tricyclic antidepressant drugs in human plasma with CE-ESI-TOF- MS using cationic coated capillaries.
3. **Anisa Elhamili**, Magnus Wetterhall, Marcus Sjödin, Roberto Sebastiano, Jonas

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- Bergquist. *Electrophoresis* 2010, 31, 1151-1156. Analysis of peptides using N-methylpolyvinylpyridinium as silica capillary modifier for CE-ESI-MS.
4. **Anisa Elhamili**, Magnus Wetterhall, Angel Puerta, Douglas Westerlund, Jonas Bergquist. *Journal of Chromatography A* 2009, 1216, 3613-3620. The effect of sample salt additives on capillary electrophoresis analysis of intact protein using surface modified capillaries.
 5. **Anisa Elhamili**, Magnus Wetterhall, Björn Arvidsson, Roberto Sebastiano, Pier Giorgio Righetti, Jonas Bergquist. *Electrophoresis* 2008, 29, 1619-1625. Rapid capillary electrophoresis time-of-flight mass spectrometry separations of peptides and proteins using a monoquaternarized piperazine compound (M7C4I) for capillary coatings.
 6. **Anisa Elhamili**, Jonas Bergquist, Mohamed El-Attug, Shaban Saad, Fathia Saad, Ghada Hemiss, Tariq Almog. *International Journal of Pharma Research & Review*, June 2014; 3(6):1-9. Pharmaceutical Evaluation of Type II Oral Antidiabetic Agent.
 7. **Anisa Elhamili**, Khalifa El-aroud, Massud Anwar, Mohamed Siaan, Ali Ammar, Naiema Elfazaa, Enas Tantawy and Adel Abushoffa. *European Journal of Biomedical AND Pharmaceutical sciences* 2016, Volume 3, Issue 10, 68-74. High Performance Liquid Chromatographic Analysis of Different Brands of Antidopaminergic Agents.
 8. **Anisa Elhamili**, Amani Abokhshim, Khalifa El-aroud and Salah Elbaruni. *The Pharmaceutical and Chemical Journal* 2016, 3(4), 34-39. Determination of Heavy Metals in Tap and Underground Water Using Atomic Absorption Spectrometry.
 9. **Anisa Elhamili**, Hager Hussein, Abdulwahab AlDeib, Khawla Errish and Salah Elbaruni. *Tripolitana Medical Journal* 2016, 5, No II, 75-78. The Incidence of Uterine Leiomyoma and Leiomyosarcoma at Tripoli Medical Center.
 10. **Anisa Elhamili** and Fathi Sadek, *wjpmr*, 2021,7(13), 48 – 54. Analysis of an Aerobic Fusobacteria Using Mass Spectrometry.
 11. **Anisa Elhamili**, Shaban Saad, Fathi sadek. *Libyan Journal of Medical Sciences*, 2022, 6, 14-18. A Comparative Study of Biological Sample Preparation Methods Conventional Cryopreservation of Human Tissue.
 12. **Anisa Elhamili**, Amani Abokhshim and Fathi Sadek. *ejbps*, 2021, 8(11), 38-41. Physico Chemical Analysis of Underground Water Quality in different Areas of Tripoli City.
 13. **Anisa Elhamili**, Douglas Westerlund, Jonas Bergquist, Stellan Hjertén. *Mediterr J Pharm Pharm Sci.* (2022), 2(2): 97-104. Improvement of injection conditions for zone electrophoresis of proteins in capillaries coated with N, N-didodecyl-N, N-dimethyl ammonium bromide.
 14. Mohamed El-Attug, Amal Ammar, **Anisa Elhamili**, Ruwida Kamour, Tariq Almog, Shaban Saad and Ann Van Schepdael. *Journal of Chemical and Pharmaceutical Research*, 2013, 5(2):308-313. Development and validation of a micellar electrokinetic capillary chromatography method for determination of cisplatin in tumor tissue.
 15. Tariq K. Almog, Mohamed El-Attug, Talal H. Zeglam, Amal Ammar, **Anisa Elhamili**, Fitak

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B and Suchocki P. *World Academy of Science, Engineering and Technology* 78 2013: 1461-1466. Determination of Selenium Content in Sulfated Seleninochitosan A New Class of Chemical Compound.

16. Massud Anwair and **Anisa Elhamili**. *European Journal of Pharmaceutical and Medical Research*, 2017, 4 (7), 850-855. Studies of Physicochemical Properties and Lipophilicity of Pyridazine Derivatives: An Overview.
17. Mohamed Siaan, Massud Anwair and **Anisa Elhamili**. *Journal of Chemical, Biological and Physical Sciences*, 2017, 7 (4), 857-867. Comparative *in Vitro* Evaluations of Different Brands of Atenolol Tablets in Libyan Market.
18. Shaban E. A. Saad, Abdulrzag F Ahmed, Mohamed S Fayed, **Anisa Elhamili**, Isabel fong and Abdussalam A Sughir. *Lebda Medical Journal*, 2018, 4, 132-136. Studying the effects of *Ruta chalepensis* on blood glucose, cholesterol and triglycerides levels in rats.

Oral and Poster presentations

1. **Anisa Elhamili**, Douglas Westerlund, Jonas Bergquist, Stellan Hjertén. Enhancement of Coating Stability for Capillary Zone Electrophoresis of Proteins in DDAB Modified Surfaces. The ICC 2013: *International Conference on Chemistry, Istanbul, Turkey, June 20- 21, 2013*.
2. **Anisa Elhamili**, Jonas Bergquist, Douglas Westerlund and Stellan Hjerten. Improvement of Coating Stability for Electrophoresis of Proteins in Capillaries Coated with N, N-didodecyl-N, N-dimethylammonium bromide. *The 1st International Conference on Science Diplomacy and Developments in Chemistry Nov 24 – 26, 2012, Alexandria - Egypt*
3. **A. Elhamili**, M. Wetterhall, M. Sjödin, R. Sebastiano, J. Bergquist. CE-ESI-MS analysis of peptides using N-methylpolyvinylpyridinium as silica capillary coatings. *Analysdagarna-Uppsala, Sweden, 14-16 June 2010*.
4. **A. Elhamili**, M. Wetterhall, A. Puerta, D. Westerlund, J. Bergquist. The effect of sample salt additives on capillary electrophoresis analysis of intact protein. *UUCC (Uppsala University Chemistry Conference), Sweden, 10-12-March-2009*.
5. **A. Elhamili**, M. Wetterhall, B. Arvidsson, R. Sebastiano, P. G. Righetti, J. Bergquist. Capillary electrophoresis mass spectrometry analysis of peptides and proteins using M7C4I coatings. *ITP 2008 (the 16th international symposium on Capillary Electro separation Techniques) Catania- Italy, 31 Aug - 4 Sep 2008*.
6. **A. Elhamili**, M. Wetterhall, B. Arvidsson, R. Sebastiano, P. G. Righetti, J. Bergquist. Rapid CE-TOF-MS separations of peptides and proteins using a monoquaternarized piperazine compound for capillary surface modifications. *Analysdagarna-Göteborg, Sweden, 16-18 June 2008*.
7. **A. Elhamili**, Capillary electrophoresis of peptides, proteins and small drug molecules using coated capillaries. *Biotage-Medicinal and Analytical Chemistry workshop, Uppsala University, Sweden, 18-June 2010*.
8. **A. Elhamili**, Liquid based separation coupled to mass spectrometry for pharmaceutical analysis. *Annual PhD student conference, Uppsala University, Sweden, 17-October*

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2009.

9. A. Elhamili, Development of capillary electrophoresis mass spectrometry methods for pharmaceutical and biomedical analysis. *Nordplus-network workshop, University of Helsinki, Finland, 17-21-Aug 2008.*
10. A. Elhamili, Capillary electrophoresis mass spectrometry for peptides and protein analysis. *Agilent Technologies and Applied Biosystems/MDS SCIEX workshop, 6- May 2008, Uppsala University, Sweden.*
11. A. Elhamili, A retrospective comparative study of requirements of gonadotropin administration for oocyte retrieval in infertile (PCOs) patients. *The 5th Jamahiriya Medical Sciences Conference, 9-12 Nov 2001, Alzawia, Libya.*

Language

- English (Fluent)
- Swedish (Intermediate)
- Arabic (Native)