

Curriculum Vitae

Personal

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

D.O.B: 1978 Tripoli **Gender:** Female **Nationality:** Libyan

Marital status: Married **Mobile:** +218 91 6803942

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Education

2011: PhD in Pharmaceutical Analytical Chemistry, Uppsala University, Sweden.

2006: M. Sc. in Pharmaceutical Analytical Chemistry, Uppsala University.

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

Areas of research interest and expertise

- Method development and validation using liquid based separation coupled to different mass spectrometry techniques.
- Pharmaceutical analysis including therapeutic monitoring of drugs and their metabolites in different biofluids.
- Design of new sample preparation methods for selective extraction of analytes from complex matrices.
- Quality control and quality assurance of Pharmaceutical products.
- Development and validation of extraction techniques for natural products.
- Analysis of recombinant protein drugs and endogenous compounds.
- Design and formulation of Nano-Particles for Pharmaceutical Analysis.
- Determination of polypeptides in various biological materials.

Qualification and Teaching activity

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

2012-present: Lecturer at department of Pharmaceutical Chemistry, University of Tripoli, Libya.

2009-2010: Teaching assistance for Master degree students in separation and Mass Spectrometry courses at Uppsala University, Sweden.

2003-2005: Teaching assistance for undergraduate students in Medicinal Chemistry, Organic Chemistry, Pharmaceutical Analysis and Quality Control at Department of Medicinal and Pharmaceutical Chemistry, faculty of Pharmacy, Tripoli University, Libya.

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.

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- 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 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. 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.
7. **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.
8. Tariq K. Almog, Mohamed El-Attug, Talal H. Zeglam, Amal Ammar, **Anisa Elhamili**, Fitak 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.
9. **Anisa Elhamili**, Khalifa El-aroud, Massud Anwair, Mohamed Siaan, Ali Ammar, Naiema Elfazaa, Enas Tantawy and Adel Abushoffa. *European Journal of Biomedical*

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AND Pharmaceutical sciences 2016, Volume 3, Issue 10, 68-74. High Performance Liquid Chromatographic Analysis of Different Brands of Antidopaminergic Agents.

10. **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.*
11. **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.*
12. 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.*
13. 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.*
14. Shaban E. A. Saad, Abdulrag 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.*

Poster presentation

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-methylpolyvinylpyridinum 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.*

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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.*

Oral presentation

1. 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.
2. A. Elhamili, Liquid based separation coupled to mass spectrometry for pharmaceutical analysis. Annual PhD student conference, Uppsala University, Sweden, 17-October 2009.
3. 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.
4. 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.
5. 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.

Interests

- Reading.
- Cooking.