

Dr. Mona Mohammed AlShehri

Contact Information

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Experience

1995 - 1997 Ministry of Health Riyadh, Saudi Arabia
Pharmacist at Al-Sulaimaniah Children Hospital.

1997 - 2007 King Saud University Riyadh,
Saudi Arabia
Teaching Assistant at Pharmaceutical Chemistry Dep. – College of
Pharmacy.

2007 - 2008 King Saud University Riyadh,
Saudi Arabia
Lecturer at Pharmaceutical Chemistry Dep. – College of
Pharmacy.

2008 – 2014 King Saud University Riyadh, Saudi Arabia
Assistant Professor at Pharmaceutical Chemistry Dep.
College of Pharmacy.

2014 - 2020 King Saud University Riyadh, Saudi Arabia
Associate Professor at Pharmaceutical Chemistry Dep.
College of Pharmacy.

2020 - Present King Saud University Riyadh, Saudi Arabia
Professor at Pharmaceutical Chemistry Dep. College of
Pharmacy.

2009- 2011 King Saud University Riyadh, Saudi Arabia
Deputy chairman of Pharmaceutical Chemistry Dep. College of Pharmacy.

2011 King Saud University Riyadh, Saudi Arabia
Member in the judgment committee for the pharmacy student's graduation Projects.

2011 King Saud University Riyadh, Saudi Arabia
Member in the Assessment committee of pharmacy College.

2012 Ministry of Education Riyadh, Saudi Arabia
Member in the judgment committee in the National Olympiad for Scientific Creativity - scientific research track.

2012 King Saud University Riyadh, Saudi Arabia
Member in the executive team for the strategic plan of pharmacy College.

2013 King Saud University Riyadh, Saudi Arabia
Member in the judgment committee for the pharmacy student's graduation Projects.

2014 - 2016 King Saud University Riyadh, Saudi Arabia
Head of quality unit in Pharmacy College.

2016 - 2018 King Saud University Riyadh, Saudi Arabia
Assistant vice dean for development and quality

2015- 2018 King Saud University Riyadh, Saudi Arabia
Member in the Strategic plan (2016-2020) committee of pharmacy College.

2016- 2018 King Saud University Riyadh, Saudi Arabia
Member in the national academic accreditation committee of pharmacy College.

2017 King Saud University Riyadh, Saudi Arabia
Member in the judgment committee for the pharmacy student's graduation Projects.

2018 King Saud University Riyadh, Saudi Arabia
Member in the Quality Management System committee of pharmacy College.

Publications

2006 Analytical Chemistry Insights
Direct enantiomeric resolution of betaxolol with application to analysis of pharmaceutical products

2006 Journal of Liquid Chromatography and Related Technology
Development of an HPLC method for the Quantitation of bisoprolol enantiomers in pharmaceutical products using a teicoplanin chiral stationary phase and fluorescence detection

2007 Chem. Pharm. Bull.
Enantioanalysis of bisoprolol in human plasma with a macrocyclic antibiotic HPLC chiral column using fluorescence detection and solid phase extraction

2007 Journal of Chromatography B
HPLC separation technique for analysis of bufuralol enantiomers in plasma and pharmaceutical formulations using a vancomycin stationary phase and UV detection

2010 Arabian Journal of Chemistry
Chiral stability-indicating HPLC method for analysis of artinolol in pharmaceutical formulation and human plasma

2012 Chemistry Central Journal

Novel spectrophotometric method for determination of cinacalcet hydrochloride in its tablets via derivatization with 1, 2-naphthaquinone-4-sulphonate

2012 Saudi Pharmaceutical Journal

A Validated Capillary Electrophoresis Method for Simultaneous Determination of Ezetimibe and Atorvastatin in Pharmaceutical Formulations

2012 Asian Journal of Chemistry

A validated reverse phase LC method for the simultaneous estimation of fexofenadine HCl and pseudoephedrine HCl in pharmaceutical dosage form using a monolithic silica column

2013 Molecules

Analytical Study for the Charge-Transfer Complexes of Rosuvastatin Calcium with π -Acceptors

2013 Digest Journal of Nanomaterials and Biostructures

Stability-indicating capillary electrophoresis method with photodiode array detector for determination of lenalidomide in pharmaceutical preparation

2013 Journal of Chromatographic Science

Capillary Electrophoretic Determination of Antimigraine Formulations Containing Caffeine, Ergotamine, Paracetamol and Domperidone or Metoclopramide

2013 AOAC INTERNATIONAL

Validated stability indicating capillary electrophoresis method for the separation and determination of fixed dose combination of carvedilol and hydrochlorothiazide in tablets

2013 Analytical Methods UK

Micellar electrokinetic capillary chromatographic determination of a polypill combination containing atorvastatin, lisinopril, hydrochlorothiazide, and aspirin

2013 Current Analytical Chemistry

A Highly Sensitive Fluorimetric Method for Determination of Cinacalcet Hydrochloride in Tablets and Plasma *via* Derivatization with 7-Chloro-4-nitrobenzoxadiazole

2013 Digest Journal of Nanomaterials and Biostructures

A Highly Sensitive HPLC Method with Non-extractive Sample Preparation and UV Detection for Trace Determination of Cinacalcet in Human Plasma

2013 Analytical Methods

Artificial neural network modeling of the electrophoretic mobility of dexamethasone and two additives in micellar electrokinetic capillary chromatography

2013 AOAC INTERNATIONAL

Enantioselective quantification of atenolol in mouse plasma by high performance liquid chromatography using a chiral stationary phase: application to pharmacokinetic study

2013 Digest Journal of Nanomaterials and Biostructures

Enantiomeric resolution and determination of clenbuterol by HPLC technique in plasma and pharmaceutical formulations using polysaccharide chiral stationary phase and UV detection

2014 Instrumentation Science and Technology

Determinarion of cinacalcet hydrochloride by capillary electrophoresis with photodiode array detection

2014 Latin American Journal of Pharmacy

New 96-Microwell-based Spectrophotometric Assay with High-throughput for Determination of Lenalidomide in Capsules: the New Potent Drug for Treatment of Multiple Myeloma

2014 Digest Journal of Nanomaterials and Biostructures

Development of novel microwell-plate spectrophotometric assay for determination of varenicline via its reaction with cyclohexa-3,5-diene-1,2-dione

2014 World Applied Sciences Journal

Development of new 96-microwell-based spectrophotometric assay with high-throughput and its application in pharmaceutical quality control of varenicline

2014 Chirality

Novel Stereoselective High-Performance Liquid Chromatographic Method for Simultaneous Determination of Guaifenesin and Ketorolac Enantiomers in Human Plasma

2014 Luminescence

Derivative emission spectrofluorimetry for the simultaneous determination of guaifenesin and phenylephrine hydrochloride in pharmaceutical tablets

2015 Instrumentation Science and Technology

Determination of Luteolin and Apigenin in Herbs by Capillary Electrophoresis with Diode Array Detection

2015 Analytical Methods

Microemulsion electrokinetic chromatography with polarity switching stacking mode for the determination of dexamethasone and dexamethasone sodium phosphate: application to pharmacokinetic studies in rabbit plasma

2015 Pakistan Journal of Pharmaceutical Sciences

Isolation of flavonoids from *Delonix elata* and determination of its rutin content using capillary electrophoresis

2015 RSC Advances

Simultaneous determination of dexamethasone and lenalidomide in rat plasma by solid phase extraction and ultra-performance liquid chromatography-tandem mass spectrometry: application to pharmacokinetic studies

2015 Instrumentation Science and Technology

Determination of Methyl Gallate in Bauhinia retusa Extract by High-Performance Liquid and Thin Layer Chromatography

2018 Current Analytical Chemistry

Development of New ELISA with High Sensitivity and Selectivity for Bioanalysis of Bevacizumab: A Monoclonal Antibody Used for Cancer Immunotherapy

2018 Current Pharmaceutical Analysis

Development of Specific New ELISA for Bioanalysis of Cetuximab: A Monoclonal Antibody Used for Cancer Immunotherapy

2018 Bioanalysis

Development and validation of an ELISA with high sensitivity for therapeutic monitoring of afatinib

2018 Journal of the chemical society of Pakistan

A Validated HPLC-PDA Method for Simultaneous Quantitation of Four Oral Antidiabetic Drugs and Application to Pharmaceutical Preparations

2018 Arabian Journal of chemistry

Pre-column derivatization HPLC method for rapid and sensitive determination of free and total formaldehyde in hair straightening products

2019 Saudi Pharmaceutical Journal

New Bioanalytical Microemulsion Electrokinetic Chromatography Method for the Simultaneous Determination of Trifluridine with its Metabolites and Tipiracil in Rat Plasma: Application to Pharmacokinetic Studies

2019 Acta Chromatographica

Evaluation of the Pharmacokinetics of the Simultaneous Quantification of Letrozole and Palbociclib in Rat Plasma by a Developed and Validated HPLC-PDA

2019 Arabian Journal of Chemistry

Development and validation of an UHPLC-MS/MS method for simultaneous determination of palbociclib, letrozole and its metabolite carbinol in rat plasma and pharmacokinetic study application

2019 PLOS ONE

Synthesis of hapten, generation of specific polyclonal antibody and development of ELISA with high sensitivity for therapeutic monitoring of crizotinib

2020 Spectrochimica Acta

Novel spectrofluorimetric determination of brigatinib in bulk powder and human urine samples via ion-pair complex formation using eosin Y

2023 Medicina

Development of Novel Microwell-Based Spectrofluorimetry and High-Performance Liquid Chromatography with Fluorescence Detection Methods and High Throughput for Quantitation of Alectinib in Bulk Powder and Urine Samples

Education

**2008 King Saud University Riyadh,
Saudi Arabia**

**Ph. D. in Analytical Pharmaceutical Chemistry
Pharmaceutical Chemistry Dep. – College of Pharmacy
(Enantioselective resolution and determination of some
racemic cardiovascular drugs using HPLC and chiral
stationary phases)**

**2000 King Saud University Riyadh,
Saudi Arabia**

**Master degree in Pharmaceutical Chemistry
Pharmaceutical Chemistry Dep. – College of Pharmacy
(Metabolic studies on α , N-disubstituted phenylethylamine
derivatives)**

**1994 King Saud University Riyadh,
Saudi Arabia**

**Bachelor degree in Pharmaceutical Sciences
College of Pharmacy**

Conferences

**Attended The Second International Conference for
Assessment and Evaluation– 2015, Riyadh, KSA.**

**Attended International Conference on Pharmaceutical
Sciences – 2015, Dubai, UAE.**

Participated in the 44th IUPAC Chemistry Conference– 2013, Istanbul, Turkey.

Attended Third International Conference of e-Learning and Distance Learning – 2013, Riyadh, KSA.

Attended Separation Science Conference – 2012, Kuala Lumpur, Malaysia.

Participated in The 4th International Conference on Drug Discovery and Therapy – 2012, Dubai, UAE.

Attended The 4th International Chemistry Conference – 2011, Riyadh, KSA.

Attended The 8th Saudi Pharmaceutical International Conference and Exposition – 2010, Riyadh, KSA.

Participated in The 9th International Pharmaceutical Sciences Conference and Exposition – 2005, Riyadh, KSA.

Attended The 6th Saudi Pharmaceutical International Conference – 2003, Riyadh, KSA.

Attended The 5th International Saudi Pharmacy Conference – 1999, Riyadh, KSA.

Training

Attended Plagiarism workshop– 2017, Riyadh, KSA.

Attended Publishing and Disseminating workshop– 2017, Riyadh, KSA.

Attended Developing Effective Research Proposals workshop– 2017, Riyadh, KSA.

Attended Rights and Duties of Faculty Members workshop– 2017, Riyadh, KSA.

Attended Inverted Classroom workshop– 2016, Riyadh, KSA.

Attended Fundamental of Student Assessment System workshop– 2016, Riyadh, KSA.

Attended Assessment of learning outcomes workshop– 2016, Riyadh, KSA.

Attended Key performance indicators and Benchmark workshop– 2015, Riyadh, KSA.

Attended Scoring in KSU-QMS for Internal Quality Assurance workshop– 2015, Riyadh, KSA.

Attended Self-study report workshop– 2015, Riyadh, KSA.

Attended Management of conflict in higher education workshop– 2014, Riyadh, KSA.

Attended Developing teaching portfolio workshop– 2014, Riyadh, KSA.

Attended Students support and concentration workshop– 2014, Riyadh, KSA.

Attended Publication in international periodicals workshop – 2013, Riyadh, KSA.

Attended Student’s Learning Support workshop – 2012, Riyadh, KSA.

Attended Professional Teaching Competencies in HE workshop – 2012, Riyadh, KSA.

Attended Learning Theories workshop – 2012, Riyadh, KSA.

Attended Research Grants Proposal Writing workshop – 2012, Riyadh, KSA.

Attended Scientific Supervision for post graduate students workshop – 2012, Riyadh, KSA.

Attended Strategic Planning Skills workshop – 2011, Riyadh, KSA.

Attended Assessment of Learning Outcomes workshop – 2011, Riyadh, KSA.

Attended Strategic management using the balanced scorecard workshop – 2011, Riyadh, KSA.

Attended Recruiting, developing, and retaining a faculty for the twenty-first century workshop – 2011, Riyadh, KSA.

Attended SWOT analysis workshop – 2010, Riyadh, KSA.

Attended Learning management system workshop – 2010, Riyadh, KSA.

Attended Effective Practices for Leadership and Management workshop – 2010, Riyadh, KSA.

Attended Chairing the Department workshop – 2010, Riyadh, KSA.

Attended Effective Teaching Skills workshop – 2010, Riyadh, KSA.

Attended Leadership of academic Department workshop – 2009, Riyadh, KSA.

Attended Parametric and Non-parametric Statistical Analysis Using SPSS workshop – 2009, Riyadh, KSA.

Attended Preparing data using SPSS workshop – 2009, Riyadh, KSA.

Attended Use of Technology in academic Teaching workshop – 2009, Riyadh, KSA.

Attended The Teaching Portfolio workshop – 2009, Riyadh, KSA.

Attended Planning and Managing Active Learning, a series of workshops – 2008, Riyadh, KSA.

Attended Waters LC/MS/MS Operation and Application Training Course – 2008, Riyadh, KSA.

Attended the Orientation Training for New Faculty Members – 2008, Riyadh, KSA.

Attended The Intersections of Planning, Quality Assurance and Accreditation in Higher Education, a series of workshops – 2008, Riyadh, KSA.

Membership

Saudi Chemical Society