Curriculum vitae

Personal information

Name: Fatma Farouk Mohammed Ali Sherif

Date of birth: 26/1/1990.

Place of birth: Saudi Arabia, AlMadinah AlMonawara

Gender: Female.

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Education and Qualifications

-**Ph.D. in Pharmaceutical Sciences (Pharmaceutical Analytical Chemistry)** in 5/2024 and Thesis title was "Application of Liquid Chromatography, Luminescence and Spectrophotometry for Determination of Some Drugs Treating Disorders of the Digestive System".

-**Master of Pharmaceutical Sciences (Analytical Chemistry)** in 9/2018 and Thesis title was "Spectrophotometric and Spectrofluorimetric determination of Angiotensin Converting enzyme inhibitors in pharmaceutical preparations".

-**Bachelor of pharmaceutical sciences**, Faculty of Pharmacy, Assiut university, Egypt in 2012 with excellent grade.

Work Experience

-Appointed as demonstrator at pharmaceutical analytical chemistry department, Faculty of pharmacy, Assiut University, Egypt (2012-2014).

-Appointed as demonstrator at analytical chemistry department, Faculty of pharmacy, Minia University, Egypt (2015-2018).

-Appointed as Assistant lecturer at analytical chemistry department, Faculty of pharmacy, Minia University, Egypt (9/2018-5/2024).

-**Current job:** Lecturer of analytical chemistry, Faculty of pharmacy, Minia University, Egypt, based on the approval of the university council since 6/2024.

Skills and Achievements

- Master thesis was granted the title of the best one in Minia University in 2018.

-Good skills by passing training courses in Endnote, in addition to ICTP program including Microsoft word, Power point and Excel programs' courses.

-Good skill in English language and scored 97 in TOEFL IBT exam.

- Good skill in teaching students since I've been teaching Pharmaceutical Analytical Chemistry since 2012.

List of publications

1-Derayea, S.M., Mohammed, F.F. Facile nucleophilic substitution approach for the spectrofluorimetric assay of natamycin based on diarylpyrrolone formation, evaluation of method greenness. *BMC Chemistry* **19**, 23 (2025). https://doi.org/10.1186/s13065-025-01388-3

2-Derayea, S. and Mohammed, F. (2025), Employing Diaryl Pyrrolone Fluorescence With Ninhydrin and Phenylacetaldehyde for Sensitive Determination of Alendronate Sodium in Bulk and Pharmaceutical Tablets: Evaluation of Method Greenness. Luminescence, 40: e70110. https://doi.org/10.1002/bio.70110

3-S. M. Derayea, F. F. Mohammed, K. M. Badr El-Din, *Luminescence* 2023, 38(12), 2065. **https://doi.org/10.1002/bio.4597**

4-El-Din, K. M. B., Derayea, S. M., Mohammed, F. F., & Hamad, A. A. (2024). Integrated resonance Rayleigh scattering approach utilizing Box–Behnken experimental design for the facile quantification of prucalopride in pharmaceutical tablets and human urine with sustainability assessment. *RSC advances*, *14*(11), 7797-7805.

5-Derayea, Sayed & Mohammed, Fatma & Hamad, Ahmed & M. Badr El-Din, Khalid. (2024). Integration of sustainable chemistry frameworks with a single-pot, on-off fluorescence approach for enabling the facile quantification of mosapride; Application to pharmaceutical tablets and content uniformity. Sustainable Chemistry and Pharmacy. 37. 101421. 10.1016/j.scp.2023.101421.

6-Mohammed, F. F., Badr El-Din, K., & Derayea, S. M. (2019). Two smart spectrophotometric methods for simultaneous determination of Lisinopril and Hydrochlorothiazide in binary mixtures. *Journal of Advanced Biomedical and Pharmaceutical Sciences*, *2*(2), 47-53.

7-Mohammed, F. F., et al. (2018). "Switch on fluorescence probe for the selective determination of lisinopril in pharmaceutical formulations: application to content uniformity testing." RSC Advances **8**(29): 16269-16277.

8-Derayea, S. M., et al. (2018). "An innovative validated spectrofluorimetric method for determination of Lisinopril in presence of hydrochlorothiazide; application to content uniformity testing." Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy **188**: 318-323.

9-Derayea SM, Badr El-Din KM, Mohammed FF. Selective spectrofluorimetric method for determination of Lisinopril in pharmaceutical preparations and in presence of hydrochlorothiazide: Application to content uniformity testing. *Luminescence*. 2017; 32: 1482–1487. **https://doi.org/10.1002/bio.3348**