

Islam Mohamed Moustafa Abdellatif

B.Pharm., M.Sc., Ph.D.

Curriculum Vitae

CONTACT INFORMATION

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Current Occupation Lecturer at the Department of Analytical Chemistry,
Faculty of Pharmacy, Minia University, Egypt.

ACADEMIC EDUCATION:

Degrees

Ph.D.	State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, University of Science and Technology of China, July 2022.
Master	M.Sc. in Analytical Chemistry, Faculty of Pharmacy, Minia University, Egypt. November 2015.
Bachelor	B.S. in Pharmaceutical Sciences. Excellent with Degree of Honour. From faculty of Pharmacy, Minia University, Egypt. May 2011.

Professional Experience:

*Visiting Scientist at State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, **July, 2023- March, 2024**.

* Lecturer at the Analytical Chemistry Department, Faculty of Pharmacy, Minia University, Egypt (Aug. 2022 – till now).

* Assistant Lecturer at the Analytical Chemistry Department, Faculty of Pharmacy, Minia University, Egypt (Feb. 2016 – July, 2022).

* Demonstrator at the Analytical Chemistry Department, Faculty of Pharmacy, Minia University, Egypt (Oct. 2011 – Jan. 2016).

Working Duties:

- Assisting the professors in teaching the courses of Analytical Chemistry for first, second and fourth and years' students.
- Preparation of weekly practical laboratory sessions.
- Teaching practical lessons on Analytical Chemistry and Quality control for undergraduate pharmacy students, clinical Pharmacy students, and graduated Diploma students.
- Organizing scientific materials, visual aids, and presentations for these practical courses.
- Conduct seminars and discussion groups for undergraduate students.
- Leading some of the student activities in the laboratory sessions and grading laboratory reports.
- Helping professors in mid-year and final examinations.

LIST OF PUBLICATIONS

- 1) [Mostafa, I. M.](#); Omar, M. A.; Elsayed, M. A.; Mohamed, A. A*. Hantzsch Reaction–Based Fluorimetric Approach for Sensitive Determination of Besifloxacin in Pharmaceutical Eye Drops and Aqueous Humor, **Luminescence** 2025, 40, e70154.
- 2) Mohamed, A. A.; Halawa, M. I.; Omar, M. A.; [Mostafa, I. M.](#), One-Pot Synthesis of Hantzsch Reaction for Fluorometric Quantification of Epinastine in Aqueous Humor Samples **Luminescence** 2025, 40, e70183.
- 3) Mohamed A. A.; Omar M. A.; Zeid A. M. *; Halawa M. I.; [Mostafa, I. M.](#), Derivatization-free sustainable spectrofluorimetric estimation of antihistamine drug mizolastine in pharmaceutical and biological matrices, **Luminescence**, 2024, 39, e4888 (doi.org/10.1002/bio.4888).
- 4) Omar M. A.; Mohamed A. A.; Alahmadi Y.; Almaghrabi M.; Bafail R.; [Mostafa, I. M*](#), Sustainable, Green, and Sensitive Spectrofluorimetric Approach for Pizotifen Maleate Detection in Tablets and Human Plasma via Photo-Induced Electron Transfer Inhibition, **Luminescence**, 2024, 39 ([doi: 10.1002/bio.70059](https://doi.org/10.1002/bio.70059)).
- 5) [Mostafa, I. M*](#), Mohamed A. A.; A. Yaser; Shehata A. M.; Almikhlaifi M. A., Omar M. A., Facile, eco-friendly and sensitive fluorimetric approach for detection of chlorpromazine: Application in biological fluids and tablet formulations as well as greenness evaluation of the analytical method, **Luminescence**, 2024, (doi.org/10.1002/bio.4897).
- 6) Mohamed A. A.; Omar M. A.; Alzahrani E.; Abdel-Lateef M. A. *; [Mostafa, I. M*](#), Sustainable and green fluorescence method for the determination of cloperastine in human plasma: greenness assessment, **J. Fluorescence**, 2024, doi.org/10.1007/s10895-024-03882-8.
- 7) [Mostafa, I. M.](#); Omar, M. A.; Noureldeen, D. A.; Zeid, A. M.; Halawa, M. I. *; Mohamed, A. A. Green and sensitive detection of olopatadine in aqueous humor using

a signal-on fluorimetric approach: GREENness assessment, **Luminescence** 2024, 39, e4814.

- 8) Zeid, A. M.; [Mostafa, I. M.](#); Lou, B.*; Xu, G.*, Advances in miniaturized nanosensing platforms for analysis of pathogenic bacteria and viruses, **Lab on a Chip**, 2023,23, 4160-4172
- 9) [Mostafa, I. M.](#); Abdussalam, A.; Zholudov, Y.T.; Snizhko, D.V.; Zhang, W.; Hosseini, M.; Guan, Y*.; Xu, G. *, Recent Applications and Future Perspectives of Chemiluminescent and Bioluminescent Imaging Technologies, **Chem. Biomed. Imaging**, 2023, 1, 297–314.
- 10) [Mostafa, I. M.](#), Liu, H., Hanif, S., Gilani, M. R. H. S., Guan, Y.* , Xu, G.*., Synthesis of a Novel Electrochemical Probe for the Sensitive and Selective Detection of Biothiols and Its Clinical Applications, **Anal. Chem.** 2022, 94, 18, 6853-6859.
- 11) [Mostafa, I. M.](#), Tian, Y., Anjum, S., Hanif, S., Hosseini, M., Lou, B.* , Xu, G.*. , Comprehensive review on the electrochemical biosensors of different breast cancer biomarkers, **Sens. Actuators B Chem.** 2022, 365, 131944.
- 12) [Mostafa, I. M.](#), Meng, C., Dong, Z., Lou, B.* , Xu, G.*., Potentiometric sensors for the determination of pharmaceutical drugs, **Anal. Sci.** 2022, 38, 23-37.
- 13) [Mostafa, I. M.](#), Gilani, M. R. H. S., Chen, Y., Lou, B.* , Li, J.* , Xu, G.*., Lucigenin-pyrogallol chemiluminescence for the multiple detection of pyrogallol, cobalt ion, and tyrosinase, **J. Food & Drug Anal.** 2021, 29, 510-520.
- 14) [Mostafa, I.M.*](#), Omar, M.A., Nagy, D.M., Derayea, S.M., Benzofurazan-based fluorophore for the selective determination of flupentixol dihydrochloride: Application to content uniformity testing, **Luminescence**, 2021, 36, 73-78.
- 15) [Mostafa, I. M.](#), Halawa, M. I., Chen, Y., Abdussalam, A., Guan, Y.* , Xu, G.*. , Silicotungstic acid as a highly efficient coreactant for luminol chemiluminescence for sensitive detection of uric acid, **Analyst** 2020, 145, 2709-2715.
- 16) Halawa, M. I., Wu, F., Zafar, M. N., [Mostafa, I. M.](#), Abdussalam, A., Han, S.* , Xu, G.*., Turn-on fluorescent glutathione detection based on lucigenin and MnO₂ nanosheets, **J. Mater. Chem. B** 2020, 8, 3542-3549.
- 17) [Mostafa, I.M.*](#), Derayea, S.M., Nagy, D.M., Omar, M.A., An experimental ninhydrin design approach for the sensitive spectrofluorimetric assay of milnacipran in human urine and plasma, **Spectrochim. Acta A**, 2018, 205, 292-297.
- 18) [Mostafa, I.M.*](#), Omar, M.A., Nagy, D.M., Derayea, S.M., Utility of the chromogenic and fluorogenic properties of benzofurazan for the assay of milnacipran in human urine and plasma, **RSC Adv.**, 2018, 8, 22154-22160.
- 19) [Mostafa, I.M.*](#), Omar, M.A., Nagy, D.M., Derayea, S.M., Analysis of quetiapine in human plasma using fluorescence spectroscopy, **Spectrochim. Acta A**, 2018, 196, 196-201.
- 20) Omar, M.A.* , Derayea, S.M., [Mostafa, I.M.](#), Selectivity Improvement for Spectrofluorimetric Determination of Oseltamivir Phosphate in Human Plasma and in the Presence of Its Degradation Product, **J.Fluorescence**, 2017, 27, 1323-1330.

- 21) Derayea, S.M., Omar, M.A.*, [Mostafa, I.M.](#), Hammad, M.A., Enhancement of the sensitivity of valacyclovir and acyclovir for their spectrofluorimetric determination in human plasma, **RSC Adv.**, 2015, 5, 78920-78926.
- 22) Omar, M.A.*, Derayea, S.M., [Mostafa, I.M.](#), Development and validation of a stability-indicating spectrofluorimetric method for the determination of H1N1 antiviral drug (oseltamivir phosphate) in human plasma through the Hantzsch reaction, **RSC Adv.**, 2015, 5, 27735-27742.
- 23) Derayea, S.M., [Mostafa, I.M.](#), Omar, M.A.*, Spectrofluorimetric and TLC-densitometric methods for a stability indicating assay of valacyclovir hydrochloride in the presence of its degradation product, **RSC Adv.**, 2014, 4, 42308-42315.

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References

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