

Curriculum Vitae

Personal Data:

- *Name* : Yasmin Rostom Abdel-Moneim Omran
- *Gender* : Female
- *Marital Status* : Married
- *Nationality* : Egyptian
- *Religion* : Muslim
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- *Address* : Faculty of Pharmacy-Cairo University, Analytical Chemistry Department, Kasr El-Aini Street, 11562 Cairo, Egypt.



Qualifications:

- *Promotion to assistant professor* in Pharmaceutical Sciences (Analytical Chemistry), Faculty of Pharmacy-Cairo University, September 2022.
- *Doctor of philosophy degree* in Pharmaceutical Sciences (Analytical Chemistry), Faculty of Pharmacy-Cairo University, January 2016.
- *Master degree* in Pharmaceutical Sciences (Analytical Chemistry), Faculty of Pharmacy-Cairo University, April 2010.
- *Bachelor degree* in Pharmaceutical Sciences (Analytical Chemistry), Faculty of Pharmacy-Cairo University, June 2003.
- *Secondary stage certificate*: Al-Manar Islamic Language School, Giza, June 1998.

Current Position:

Assistant Professor, Analytical Chemistry Department, Faculty of Pharmacy-Cairo University.

Training Courses:

- Staff-Entrepreneurship.
- Essentials of Integrated Education.
- Egyptian Knowledge Bank.
- Interactive Electronic Courses.
- Critical Thinking.

- Blended Learning Basics.
- University Code of Ethics.
- Managing Research Teams.
- Meeting and Managing Time.
- Strategic Planning.
- Effective Teaching Skills.
- Competing For Research Funds.
- Quality Standards in Teaching.
- Effective Presentation.
- International Publication of Research.
- Legal and Financial Aspects in University Environment.
- Modern Aspects in Teaching.
- Examinations Regulations.
- Metrics for Evaluation of Academic Performance.
- Quality work course.

Teaching Experiences:

- Qualitative analytical chemistry for first year students.
- Physical and general chemistry for first year students.
- Quantitative analytical chemistry for first- and second-year students.
- Applied analytical chemistry for second year students.
- Quality control for fifth year students.
- Instrumental analytical chemistry for post-graduate students.
- Spectrophotometry for post-graduate students.

Academic Publications:

- Ola G. Hussein, **Yasmin Rostom**, Mohamed Abdelkawy, Mamdouh R. Rezk, Dina A. Ahmed, "Spectrophotometric platform windows' exploitation for the green determination of Alcaftadine in presence of its oxidative degradation product", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 297: 122737. <https://doi.org/10.1016/j.saa.2023.122737>.
- Iman Sami, Yasmin Rostom, Hany H. Monir, Yasser S. El-Saharty, "Sustainable spectrophotometric resolution techniques for a spectrally overlapping mixture of Articaine Hydrochloride and Epinephrine Bitartrate with challenging formulation ratio", *Sustainable Chemistry and Pharmacy*, 32: 100994. <https://doi.org/10.1016/j.scp.2023.100994>.
- Rabab M. Soliman, **Yasmin Rostom**, Amr M. Mahmoud, Yasmin M. Fayez, Nadia M. Mostafa, Hany H. Monir, "Novel fabricated potentiometric sensors for selective determination of carbinoxamine with different greenness evaluation perspectives", *Microchemical Journal*, 187: 108381. <https://doi.org/10.1016/j.microc.2022.108381>.

- Ola G. Hussein, Dina A. Ahmed, Mohamed Abdelkawy, Mamdouh R. Rezk, Amr M. Mahmoud, **Yasmin Rostom**, "Novel solid-contact ion-selective electrode based on a polyaniline transducer layer for determination of alcaftadine in biological fluid", *RSC Advances*, 13(11): 7645-7655. <https://doi.org/10.1039/D3RA00597F>
- Ola G. Hussein, Mohamed Abdelkawy, Mamdouh R. Rezk, Dina A. Ahmed, **Yasmin Rostom**, "Novel Stability-Indicating TLC-Densitometric Method for Quantification of Antazoline and Tetryzoline; Application to Pharmaceutical Formulation", *Results in Chemistry*, 5: 100920. <https://doi.org/10.1016/j.rechem.2023.100920>.
- Rabab M. Soliman, Nadia M. Mostafa, Yasmin M. Fayez, Hany H. Monir, **Yasmin Rostom**, "Novel Spectrophotometric Approaches for the Simultaneous Quantification of Ternary Common Cold Mixture Containing Paracetamol with a Challenging Formulation Ratio: Greenness Profile Evaluation", *Journal of AOAC International*, (2022);105(5): 1268–1279. <https://doi.org/10.1016/j.saa.2022.121063>.
- **Yasmin Rostom**, Mina Wadie, Mamdouh R. Rezk, Hoda M. Marzouk, Ezzat M. Abdel-Moety, "Fingerprinting and iso-absorptive resolution techniques for the spectrally overlapping Dutasteride and Silodosin mixture: Content uniformity testing along with greenness profile assessment", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2022); 273: 121063.
- **Yasmin Rostom**, Hayam M. Lotfy, Meltem Öztürk, Gizem Tiris, Nevin Erk, Sarah S. Saleh, "Trade-off efficacy and data processing strategy in the power of spectral resolution of co-formulated antihypertensive pharmaceuticals", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2021); 247: 119080.
- Sarah S. Saleh, Hayam M. Lotfy, Gizem Tiris, Nevin Erk, **Yasmin Rostom**, "Analytical tools for greenness assessment of chromatographic approaches: Application to pharmaceutical combinations of Indapamide, Perindopril and Amlodipine", *Microchemical Journal*, (2020); 159: 105557.
- Hayam M. Lotfy, Hany H. Monir, Nevin Erk, **Yasmin Rostom**, "Novel Feature Extraction Approach for Achieving Potential Spectral Resolution: Green Analytical Application on Zofenopril Calcium and Hydrochlorothiazide in their Spectrally Overlapping Binary Mixture", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2020); 230: 117998.
- Hayam M. Lotfy, Nevin Erk, **Yasmin Rostom**, "Developing spectral numerical factor technique for the determination of amlodipine besylate and the latest generation of statins in their new pharmaceutical combination", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2019); 218:320-330.
- Hayam Mahmoud Lotfy, **Yasmin Rostom Omran**, "Novel absorptivity centering method utilizing normalized and factorized spectra for analysis of mixtures with overlapping spectra in different matrices using built-in spectrophotometer software", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2018); 200: 167-178.
- Mohamed K. Abd El-Rahman, Hayam M. Lotfy, Maha A. Hegazy, Mamdouh R. Rezk and **Yasmin Rostom Omran**, "A novel sensor for determination of dexamethasone disodium phosphate in different pharmaceutical formulations", *Analytical & Bioanalytical Electrochemistry*, (2015); 7(6): 752-763.

- Hayam M. Lotfy, Maha A. Hegazy, Mamdouh R. Rezk, **Yasmin Rostom Omran**, "Comparative study of novel *versus* conventional two-wavelength spectrophotometric methods for analysis of spectrally overlapping binary mixture", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2015); 148: 328-337.
- Maha A. Hegazy, Hayam M. Lotfy, Mamdouh R. Rezk, **Yasmin Rostom Omran**, "Novel spectrophotometric determination of chloramphenicol and dexamethasone in the presence of non-labeled interfering substances using univariate methods and multivariate regression model updating", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2015); 140: 600-613.
- Hayam Mahmoud Lotfy, Maha A. Hegazy, Mamdouh R. Rezk, **Yasmin Rostom Omran**, "Novel spectrophotometric methods for simultaneous determination of timolol and dorzolamide in their binary mixture", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2014); 126 (21): 197-207.
- Ezzat M. Abdel-Moety, Hayam M. Lotfy, Nasr S. Khalil and **Yasmin Rostom**, "Analytical study of two commercial sex pheromone lures for monitoring males of Cotton Leafworm (*CLW*) and Spiny Bollworm (*SBW*) in Egypt", *ARPJ Journal of Agricultural and Biological Science*, (2012); 7(11): 912-926.
- Ezzat M. Abdel-Moety, Hayam M. Lotfy, **Yasmine Rostom**, "Trace determination of Red Palm Weevil, *Rhynchophorus Ferrugineus*, pheromone at trapping locations under Egyptian climate", *International Journal of Agricultural and Food Science*, (2012); 2(2): 44-50.
- Ezzat M. Abdel-Moety, Hayam M. Lotfy, Nasr S. Khalil, **Yasmine Rostom**, "Application of 3-methyl benzothiazoline-2-one hydrazone as a chromogen for the spectrophotometric determination of oriental fruit fly's synthetic attractant", *Analytical Chemistry an Indian Journal*, (2010); 9(1): 39-44.

Conferences

- "Smart Spectrophotometric Methods for the Simultaneous Determination of Antazoline and Tetryzoline Using Zero-Order Regression Equations" abstract as poster presentation at Authenticity for Excellence in Pharmacy of FOPCU 11th international scientific conference (May 14-15th, 2023).
- "Sustainable and advanced resolution techniques for the spectrally overlapping mixture of Dutasteride and Silodosin" abstract as poster presentation at Technology-based Healthcare Transformation of 6th Annual Arab International Pharmacy Conference (AIPC 2022) (March 19-20th, 2022).
- "Application of recent spectrophotometric methods for simultaneous estimation of a spectrally overlapping binary mixture of ciprofloxacin hydrochloride and hydrocortisone in presence of benzalkonium chloride", abstract as poster presentation at the 5th FUE international conference of pharmaceutical sciences (5th FUE-ICPS, Jan 28-30th, 2019).

- "Application of different spectrophotometric approaches based on isosbestic points for unresolved spectra of binary mixtures", abstract as poster presentation at the *5th FUE international conference of pharmaceutical sciences* (5th FUE-ICPS, Jan 28-30th, 2019).
- "Absorptivity Centering: A novel approach for analysis of a spectrally overlapping binary mixture of timolol and dorzolamide utilizing normalized or factorized spectra", abstract as poster presentation at drug development: from benchside to bedside of the *first Menoufia international pharmaceutical sciences conference* (August, 11th-12th, 2018).
- "Smart spectrophotometric methods for analysis of a spectrally overlapping binary mixture of timolol and dorzolamide", abstract as poster presentation at the drug development, discovery & analysis session of the *fourth FUE international conference of pharmaceutical sciences* (4th FUE-ICPS, Jan 31st – Feb 2nd 2017).
- "Advanced amplitude centering: A novel approach for solving ternary mixtures with partially or severely overlapping spectra", abstract as poster presentation at the drug development, discovery & analysis session of the *4th FUE international conference of pharmaceutical sciences* (4th FUE-ICPS, Jan 31st – Feb 2nd 2017).