

Department

Pharmaceutical Analytical Chemistry

Publications

| | Publication title | Journal name/ year | Authors from department | Authors from other departments, faculties, or universities and their affiliation | Journal quartile | Impact factor |
|----|--|--|--|---|-----------------------------|--------------------------|
| 1. | Edman Degradation Reveals Unequivocal Analysis of the Disulfide Connectivity in Peptides and Proteins | Analytical Chemistry, 2024 | Yomnah Y. Elsayed | Toni Kühn, Diana Imhof Pharmaceutical Biochemistry and Bioanalytics, University of Bonn, | Q1 | 6.8 |
| 2. | An ultrasensitive green synchronous factorized spectrofluorimetric approach for the simultaneous determination of Favipiravir and Molnupiravir: Application to pharmaceutical, environmental, and biological matrices | Luminescence, 2024 | Maha F. Abdel Ghany, Mahmoud M. Abbas | Menna S. ElSherbiny, Sherif M. Eid, Khadiga M. Kelani, Ahmed El-Olemy, Mohamed A. Hasan Faculty of Pharmacy, Modern University for Technology and Information | Q2 | 3.2 |
| 3. | Tracking the Variations in Trace and Heavy Elements in Smoking Products Marketed in Oman and Egypt: Risk Assessment After Implementation of Constraining Protocols | Biological Trace Element Research, 2024 | Samy G. Alamir | Adel Ehab Ibrahim, Khaled Maged, Galal Magdy, Baher I. Salman, Ahmed Al-Harrasi Natural and Medical Sciences Research Center, University of Nizwa | Q1 | 3.7 |
| 4. | Investigating Trace and Macro-element Composition of Herbal and Nutraceutical Dietary Supplements Marketed in Oman: Insights into Safety and Labeling | Biological Trace Element Research, 2024 | Samy G. Alamir | Mohamed Al-Omairi, Baher I. Salman, Sami El Deeb, Yahya Bin Abdullah Alrashdi, Ahmed Al-Harrasi & Adel Ehab Ibrahim | Q1 | 3.7 |

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| 5. | Leveraging Green Chromatography in Quality-by-Design-Driven Study for the Simultaneous Analysis of Essential Single-Pill Antidiabetic Drug Combinations | Journal of Separation Science, 2024 | Samy G. Alamir | Adel Ehab Ibrahim, Khaled Maged, Galal Magdy, Baher I. Salman, Ahmed Al-Harrasi Natural and Medical Sciences Research Center, University of Nizwa | Q2 | 2.8 |
| 6. | Green highly sensitive and selective spectroscopic detection of guaifenesin in multiple dosage forms and spiked human plasma | Scientific Reports, 2024 | Neven N. Mikawy, Nancy Magdy, Marwa H. Mohamed & Amira M. El-Kosasy | ----- | Q1 | 3.8 |
| 7. | Sustainable graphene nanoparticle-enhanced in-line potentiometric ion selective sensor for testing of Perindopril in human plasma | Microchemical Journal, 2024 | Nermine V. Fares, Maha Farouk | Ragaa Magdy, A. Hemdan, Amr M. Mahmoud, Hoda M. Marzouk Faculty of Pharmacy, Ahran Canadian University | Q1 | 4.9 |
| 8. | Understanding the Role of Solvent on the Growth of Zinc Oxide: Insight from Experiment and Molecular Dynamics Simulations | Langmuir, 2024 | Sherif Okeil | Sahar Rabet, Gerardo Valadez Huerta, Gabriele Raabe, Georg Garnweitner Universität Braunschweig, Germany | Q2 | 3.7 |
| 9. | Tuning the Properties of Iron Oxide Nanoparticles in Thermal Decomposition Synthesis: A Comparative Study of the Influence of Temperature, Ligand Length and Ligand Concentration | particle and particle systems characterization , 2024 | Sherif Okeil | Marion Görke, Dirk Menzel, Bogdan Semenenko, Georg Garnweitner Universität Braunschweig, Germany | Q2 | 3.4 |
| 10. | Postprocedural morphology change of non-covalent nanoparticle-polymer hybrids from silica and self-assembled | Nanocomposites , 2024 | Sherif Okeil | Jil Mann, Georg Garnweitner, Carsten Schilde | Q1 | 4.2 |

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| | polystyrene-block-polyacrylic acid vesicles | | | | Universität Braunschweig, Germany | |
| 11. | Implementation of green-assessed nanotechnology and quality by design approach for development of optical sensor for determination of tobramycin in ophthalmic formulations and spiked human plasma | BMC Chemistry, 2024 | Miriam F. Ayad & Nermine V. Fares | Christine M. El-Maraghy, Passant M. Medhat Faculty of Pharmacy, October University for Modern Sciences and Arts Rania M. Hathout Pharmaceutics and Industrial Pharmacy Department, Faculty of Pharmacy, Ain Shams University | Q1 | 4.3 |
| 12. | Development of All-Solid-State Potentiometric Sensors for Monitoring Carbendazim Residues in Oranges: A Degradation Kinetics Investigation | Chemosensors, 2024 | Yasmeen A. A. Hassan, Sherif Okeil, Miriam F. Ayad, Lobna A. Hussein and Nermine V. Fares | ----- | Q1 | 3.7 |
| 13. | Electron Capture vs Transfer Dissociation for Site Determination of Tryptic Peptide Tyrosine Sulfation: Direct Detection of Fibrinogen Sulfation Sites and Identification of Novel Isobaric Interferences | Journal of Proteome Research, 2024 | Menatallah M. Youssef, Miriam F. Ayad, Lobna A. Hussein, Maha F. Abdel-Ghany | Carson W. Szot, Jeff Folz, Luke M. Collier, Hye Kyong Kweon, Steven A. DeFiglia, Kristina Hakansson Department of Chemistry, University of Michigan | Q1 | 4.1 |
| 14. | Microfabricated potentiometric sensor based on a carbon nanotube transducer layer for selective Bosentan determination | Reviews in Analytical Chemistry, 2024 | Yossra Ahmed Trabik, Reham Abd El-Aziz Ismail, Miriam Farid Ayad, Lobna Abd El-Aziz Hussein | Amr Mohamed Mahmoud Faculty of Pharmacy, Cairo University | Q2 | 3.6 |
| 15. | Eco-friendly electrochemical assay of oxytetracycline and flunixin in their | BMC Chemistry, 2024 | Yossra A. Trabik, | Amr M. Mahmoud | Q1 | 4.3 |

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|------------|---|-------------------------------------|--|---|----|-----|
| | veterinary injections and spiked milk samples | | Miriam F. Ayad | Faculty of Pharmacy, Cairo University Hind A. Abdullatif & Adel M. Michael Faculty of Pharmacy, Ahram Canadian University | | |
| 16. | A bioanalytically validated RP-HPLC method for simultaneous quantification of rivaroxaban, paracetamol, and ceftriaxone in human plasma: a combination used for COVID-19 management | Scientific Reports, 2024 | Reham A. Ismail, Miriam F. Ayad, Lobna A. Hussein & Yossra A. Trabik | ----- | Q1 | 3.8 |
| 17. | First fluorescence method for monitoring the doping stimulant drug solriamfetol in plasma and urine: A pharmacokinetic study in volunteers' urine with greenness, whiteness, and blueness assessments | Microchemical Journal, 2024 | Marina Z. Kamel, Hend Z. Yamani, Lobna A. Hussein, Yossra A. Trabik | ----- | Q1 | 4.9 |
| 18. | Rapid catalytic reduction of environmentally toxic azo dye pollutant by Prussian blue analogue nanocatalyst | RSC Advances, 2024 | Hend Z. Yamani | Dina A. El Mously, Amr M. Mahmoud, Faculty of Pharmacy, Cairo University Mohammed M. Gomaa National Research Centre | Q1 | 3.9 |
| 19. | Development of an eco-friendly fluorescent probe for mefenamic acid sensing in pharmaceuticals and biofluids | Luminescence, 2024 | Sherin M. Alqirsh, Nancy Magdy, Maha F. Abdel- Ghany, & Noha F. El Azab | ----- | Q2 | 3.2 |
| 20. | Monitoring of the prohibited 2-phenethylamine in dietary supplements using a t-Butyl | Microchemical Journal, 2024 | Sarah H. Abdelaal, Noha F. El Azab, | Said A. Hassan Faculty of Pharmacy, Cairo University | Q1 | 4.9 |

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| | calix[8]arene/Ag/CuO composite-based potentiometric sensor | | Amira M. El-Kosasy | | | |
| 21. | First electropolymerized carbidopa-based molecularly imprinted film: Disposable electrochemical sensor for monitoring of anti-COVID-19 drug favipiravir in human plasma | Microchemical Journal, 2024 | Hend Z. Yamani, Noha F El Azab | ----- | Q1 | 4.9 |
| 22. | A new eco-friendly electrochemical sensing platform for monitoring of agomelatine in different matrices with sub-nanomolar detection limits | Sustainable Chemistry and Pharmacy, 2023 | Hend Z. Yamani | Shimaa A. Atty Egyptian Drug Authority (EDA) | Q1 | 5.464 |
| 23. | Cobalt oxide nanoparticles modified coated graphite potentiometric sensor for quantification of sulfacetamide sodium in its pharmaceutical dosage form and spiked rabbit aqueous humor samples with greenness assessment | Microchemical Journal, 2023 | Nermine V. Fares, Miriam F. Ayad | Passant M. Medhat, Christine M. El Maraghy Faculty of Pharmacy, October University for Modern Sciences and Arts (MSA) | Q1 | 4.82 |
| 24. | A comparative study of green solid contact ion selective electrodes for the potentiometric determination of Letrozole in dosage form and human plasma | Scientific Reports, 2023 | Sherin M. Alqirsh, Nancy Magdy, Maha F. Abdel-Ghany, & Noha F. El Azab | ----- | Q1 | 3.8 |
| 25. | Different spectrophotometric methods for simultaneous quantitation of Vericiguat and its alkaline degradation product: a comparative study with greenness profile assessment | Scientific Reports, 2023 | Noha F. El Azab, Nancy Magdy | Doaa M. Mustafa | Q1 | 3.8 |
| 26. | Eco-friendly monitoring of triclosan as an emerging antimicrobial environmental contaminant utilizing electrochemical sensors modified with CNTs nanocomposite transducer layer | BMC Chemistry, 2023 | Nardine Safwat, Amr M. Mahmoud, Maha F. Abdel-Ghany, & Miriam F. Ayad | ----- | Q1 | 4.3 |

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| 27. | Hydrophilic interaction liquid chromatography (HILIC) with DAD detection for the determination of relatively non polar fungicides in orange samples | Microchemical Journal, 2023 | Nermine V.Fares, Yasmeen A.A. Hassan, Lobna A. Hussein, & Miriam F. Ayad | ----- | Q1 | 4.82 |
| 28. | Point-of-care diagnostics for rapid determination of prostate cancer biomarker sarcosine: application of disposable potentiometric sensor based on oxide-conductive polymer nanocomposite | Analytical and Bioanalytical Chemistry, 2023 | Hend Z. Yamani, Nardine Safwat, Miriam Farid Ayad, & Maha F. Abdel Ghany | Amr M Mahmoud Faculty of Pharmacy, Cairo university | Q1 | 4.478 |
| 29. | Greenness and whiteness evaluated triple divisor-continuous wavelet transform spectrophotometric and advanced chemometric methods for the simultaneous determination of four photoinitiators in saliva and intravenous injection solution | Sustainable Chemistry and Pharmacy, 2023 | Amira M.El-Kosasya, Nancy Magdy Noha M.El Zahar, & Mirna Gamil | ----- | Q1 | 5.464 |
| 30. | Solid-state ion-selective electrodes for the first potentiometric determination of the anti-COVID 19 drug Remdesivir in human plasma; A comparative study | Microchemical Journal, 2023 | Noha F. El Azab | Neven Ahmed Egyptian Drug Authority (EDA) | Q1 | 4.82 |
| 31. | The first validated stability-indicating HPLC/DAD method for quantitation of Vericiguat in its pharmaceutical formulation; Application to degradation kinetic studies | Talanta, 2023 | Noha F. El Azab, Nancy Magdy | Doaa M. Mustafa | Q1 | 4.9 |
| 32. | A sensitive LC–MS/MS method for the quantification of the plant toxins hypoglycin A and methylenecyclopropylglycine and their metabolites in cow's milk and urine and application to farm milk samples from Germany | Analytical and Bioanalytical Chemistry, 2023 | Ahmed H El-Khatib, | Julika Lamp, Stefan Weigel Research Institute of Nutrition and Food, Germany | Q1 | 4.2 |

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| 33. | Excitable systems: A new perspective on the cellular impact of elongate mineral particles | Environmental Research, 2023 | Mona Hamdy Abdelrahman | ShuyaoGu, AbbyBullab, Jeneh K.Perry, Amilee Huang, Matt J.Hourwitze, John T.Fourkas, Andrey A.Korchevskiy, Ann G. Wylie, Wolfgang Losert University of Maryland USA | Q1 | 8.431 |
| 34. | A Novel, Sustainable, and Eco-Friendly Spectrophotometric and Chemometric Approach for Determination of Severely Overlapped Spectrum via Unified Regression Equation: Greenness and Whiteness Assessment | Journal of AOAC, 2023 | Maha Farouk, Nermine V Fares | Ahmed Hemdan, Ragaa Magdy Ahram Canadian University | Q2 | 1.9 |
| 35. | Development of a Validated Stability-Indicating HPLC/DAD Method for Determination of Vericiguat in the Pharmaceutical Formulation; Application to Degradation Kinetic Study | Social Science Research Network (SSRN), 2023 | Noha F. El Azab Nancy Magdy | Doaa M. Mustafa | | |
| 36. | High-Sensitive and Selective Spectroscopic Detection of Guaifenesin in Multiple Dosage Forms and Human Plasma | Social Science Research Network (SSRN), 2023 | Neven mikawy, Nancy Magdy, Marwa H. Mohamedm Amira M. El-Kosasy | ----- | | |
| 37. | UV Spectrophotometric Method Development and validation of vonoprazan fumarate in Bulk and pharmaceutical Dosage form; Green Profile Evaluation Via eco-scale And GAPI Tools | Egyptian Journal of Chemistry, 2023 | Amira M.El-Kosasya, Nermine V Fares | Ahmed Mohamed Saleh Faculty of pharmacy, Horus University | Q3 | 0.229 |
| 38. | One-pot synthesis of N-doped carbon dots from microwave-irradiated egg white: application to raspberry ketone | Chemical Papers, 2023 | Sarah H. Abdelaal, Amira M. El-Kosasy & | - | Q3 | 2.1 |

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| | assay by photo-induced charge transfer fluorescence sensing | | Mona H. Abdelrahman | | | |
| 39. | Simultaneous Determination of Montelukast Sodium and Loratadine by Eco-Friendly Densitometry and Spectrophotometric Methods | Journal of Chromatographic Science, 2023 | Amira M El-Kosasy | Fatma A Fouad, Shimaa A Mahmoud Al-Azhar University | Q3 | 1.6 |
| 40. | Optimization of feather degradation by a <i>Bacillus thuringiensis</i> isolate using response surface methodology and investigation of the feather protein hydrolysate structure | Biotechnology and Applied Biochemistry, 2022 | Yossra A. Trabik | Nooran Sherif Elleboudy, Mabrouk Aboulwafa Microbiological department | Q3 | 2.7 |
| 41. | A validated UHPLC-MS/MS method for simultaneous quantification of some repurposed COVID-19 drugs in rat plasma: Application to a pharmacokinetic study | Microchemical Journal, 2022 | Noha F El Azab. | ---- | Q1 | 4.82 |
| 42. | Central Composite Design As an Analytical Optimization Tool for the Development of Eco-friendly HPLC-PDA Methods for Two Antihypertensive Mixtures Containing The Angiotensin Receptor Blocker Valsartan: Greenness Assessment by Four Evaluation Tools | Microchemical Journal, 2022 | N.V. Fares, Maha Farouk | Ragaa Magdy, A. Hemdan Faculty of Pharmacy Ahran Canadian University | Q1 | 4.82 |
| 43. | Green, bioanalytically validated chromatographic method for the determination and quantification of photoinitiators in saliva in contact with baby bibs, teethers and pacifiers | Microchemical Journal, 2022 | Amira M.El-Kosasy , Nancy Magdy Noha M.El Zahar, Mirna Gamil | ----- | Q1 | 4.82 |
| 44. | Dietary supplement mislabelling: case study on selected slimming products by developing a green isocratic HPLC method for their quality control | Scientific Reports, 2022 | Noha F El-Azab, Sarah H Abdelaal, Amira M El-Kosasy | Said A Hassan, Faculty of Pharmacy Cairo University | Q1 | 4.99 |
| 45. | 5-Halogenation of Uridine Suppresses Protonation-Induced Tautomerization and Enhances Glycosidic Bond Stability of Protonated Uridine: Investigations via IRMPD Action | Journal of the American Society for Mass Spectrometry, 2022 | Neven N. Mikawy | , H. A. Roy, E. Israel, L. A. Hamlow, Y. Zhu, G. Berden, J. Oomens, C. E. Frierler, and M. T. Rodgers | Q2 | 3.1 |

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| | Spectroscopy, ER-CID Experiments, and Theoretical Calculations. | | | | | |
| 46. | Point-of-care diagnostics for therapeutic monitoring of levofloxacin in human plasma utilizing electrochemical sensor mussel-inspired molecularly imprinted copolymer | Journal of Electroanalytical Chemistry, 2022 | Noha F.El Azab, Yossra A.Trabik | Amr M.Mahmoud Faculty of Pharmacy, Cairo University | Q1 | 4.59 |
| 47. | Co-Occurrence of Hypoglycin A and Hypoglycin B in Sycamore and Box Elder Maple Proved by LC-MS/MS and LC-HR-MS | Toxins, 2022 | Ahmed H. El-Khatib | Anna Maria Engel, Stefan Weigel German Federal Institute for Risk Assessment | Q1 | 5.07 |
| 48. | Procedure providing SI-traceable results for the calibration of protein standards by sulfur determination and its application on tau | Analytical and Bioanalytical Chemistry, 2022 | Ahmed H. El-Khatib | Lemke N , T tchipilov, N Jakubowski, Michael G. Weller & Jochen Vogl Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin | Q1 | 4.4 |
| 49. | Development and validation of molnupiravir assessment in bulk powder and pharmaceutical formulation by the RP-HPLC-UV method | RSC Advances, 2022 | Noha M. El Zahar | Abdelaziz M. Annadi, Nour El-Din A. Abdel-Sattar, Mohamed S. Attia Faculty of Science, Ain Shams University Ekram H. Mohamed, Safwat, A. Mahmoud | Q1 | 4.03 |
| 50. | Simultaneous determination of Avanafil and Dapoxetine in human plasma using liquid chromatography/tandem mass spectrometry (LC-MS/MS) based on a protein precipitation technique | RSC Advances, 2022 | Noha M. El Zahar | Mona N. Abou-Omar, Abdelaziz M. Annadi, Ahmed. O. Youssef, Mohammed A. Amin, Mohamed S. Attia, Ekram H. Mohamed | Q1 | 4.03 |
| 51. | Development of distribution maps of spectrally similar degradation products by Raman chemical imaging microscope coupled with a new | Spectrochimica Acta Part A, 2022 | Amira M. El-Kosasy | Ahmed A. Saleh, Maha Hegazy, Samah Abbas, Faculty of | Q2 | 4.09 |

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| | variable selection technique and SIMCA classifier | | | | Pharmacy, Cairo University | |
| 52. | In Vitro Dissolution Profile of Antihypertensive Mixture: Comparison Between Multivariate Methods and Statistical and Graphical Representation of Different Univariate Spectrophotometric Data | Journal of AOAC International, 2022 | Maha F Abdel-Ghany, N V Fares | Ragaa Magdy, A. Hemdan, A.Hemdan Faculty of Pharmacy Ahrum Canadian university | Q2 | 1.9 |
| 53. | Graphene-based Disposable Electrochemical Sensor for Chlorhexidine Determination | Electroanalysis, 2022 | Nancy Magdy, Ahmed E. Sobaih, Lobna A. Hussein | Amr M. Mahmoud, Faculty of Pharmacy Cairo University | Q2 | 3.223 |
| 54. | Ultra-Performance Liquid Chromatographic and Densitometric Methods for Sensitive Determination of Xipamide and Triamterene in Pure and Pharmaceutical Dosage Forms | Journal of AOAC International, 2022 | Maha F Abdel-Ghany, N V Fares | Haitham A El Fiky, Amr M Badawy Faculty of Pharmacy Future University | Q2 | 1.9 |
| 55. | Smart Eco-Friendly Spectrophotometric Methods Resolving Highly Overlapping Spectra: Application to Veterinary Antibiotic Injections | Journal of AOAC International, 2022 | Miriam F Ayad, Yossra A Trabik | Nesma M Fahmy, Hind A Abdullatif, Adel M Michael, Faculty of Pharmacy, Ahrum Canadian University, Cairo | Q2 | 1.9 |
| 56. | A Pilot Model for the Treatment of Slaughterhouse Wastewater Using Zeolite or Psidium-Leaf Powder as a Natural Coagulant, Followed by Filtration with Rice Straw, in Comparison with an Inorganic Coagulant | Processes, 2022 | Yossra Ahmed Trabik | Fatma Abouelenien, Nagham Rafeek Elsaidy & Mustafa Shukry , Faculty of Veterinary Med, Kafer Elshikh University Mohamed El-Sharnouby, Samy Sayed , Ahmed Gaber, University College-Ranyah, Taif University | Q2 | 2.7 |

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| 57. | Enhancement Effects of Water Magnetization and/or Disinfection by Sodium Hypochlorite on Secondary Slaughterhouse Wastewater Effluent Quality and Disinfection By-Products | Processes, 2022 | Mona Hamdy Abdelrahman | Nagham Rafeek Elsaïdy, Nooran S. Elleboudy, Adel Alkhedaide, Fatma Abouelenien, Mohamed Mohamed Soliman, Mustafa Shukry | Q2 | 2.7 |
| 58. | Fourier Transform Infrared Spectroscopic, Spectrofluorimetric Assays of Canagliflozin, and Stability-Indicating UV-Spectrophotometric Method for the Simultaneous Determination of Canagliflozin and Metformin | Journal of AOAC International, 2022 | Maha Farouk, Yossra A. Trabik | Sarah Elnadi B / Samah Abdalsabour, National Organization for Drug Control and Research (NODCAR), | Q2 | 1.9 |
| 59. | Simultaneous Quantification of a Neoadjuvant Treatment Used in Locally Advanced Breast Cancer Using an Eco-Friendly UPLC-MS/MS Method: A Pharmacokinetic Study in Rat Plasma | Separations, 2022 | Noha F El Azab, Noha M El Zahar, Sherif Okeil | Faizah A Binjubair, Sara T Al-Rashood, Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Saudi Arabia | Q2 | 3.34 |
| 60. | Application of two different spectrophotometric approaches for the determination of a new antihypertensive combination: Graphical and statistical representation of the data | European Journal of Chemistry, 2022 | Maha F Abdel-Ghany, N V Fares | Ragaa Magdy, A. Hemdan, A.Hemdan Faculty of Pharmacy Ahran Canadian university | - | 0.5701 |
| 61. | Critical assessment of smart calculation-based spectroscopy versus chemometric-assisted methods: Application to combined antibiotic formulations | European Journal of Chemistry, 2022 | Yossra Ahmed Trabik; Miriam Farid Ayad | Hind Ali Abdullatif; Adel Magdy Michael | - | 0.5701 |
| 62. | Validated Chromatographic Methods for Determination of Pioglitazone and Glimepiride in Pharmaceutical Dosage Form and in Human Plasma | Journal of Chromatography & Separation Techniques, 2022 | Miriam Farid, Mona H. Abdel Rahman | Dina Atef, Safaa M. Riad Faculty of Pharmacy University of Modern Science and Arts | - | 4.8 |

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| 63. | The role of carbonaceous materials as water channels in membrane sensors together with acrylate polymerized cyclodextrin, for determination of azoxystrobin in canned food | Research square, 2022 | Miriam F Ayad, Amira M El-Kosasy | Shereen M Tawakkol, Ahmed S Fayed, Ahmed I Sheta | Preprint | |
| 64. | Different methods for physical and chemical elimination of strobilurin fungicides from wastewater | Research square, 2022 | Miriam F Ayad, Amira M El-Kosasy | Shereen M Tawakkol, Ahmed S Fayed, Ahmed I Sheta | | |
| 65. | Investigation of Pharmacokinetic Parameters of Trelagliptin in Egyptian Volunteers Using Sensitive LC-MS/MS: A Comparative Study with a Japanese Population | Journal of Analytical Methods, 2021 | Mariam M. Tadro | Shereen Mowaka, Nermeen Ashoush, and Bassam M. Ayoub | Q2 | 2.5 |
| 66. | A Highly Sensitive Disposable In-House Screen-Printed Electrodes for Determination of 3,5-di-tert-butyl-4-hydroxybenzoic Acid Aided by Essential Green Chemistry Tools: Application in Nile River Samples and Human Urine | Journal of The Electrochemical Society, 2021 | Nada S. Zamzam, Mona H. Abdelrahman | Hassan A. M. Hendawy NODCAR Ahmed M. Abdel-Raouf Faculty of Pharmacy, Al-Azhar University | Q1 | 4.38 |
| 67. | Comparative Study of Different Spectrophotometric Methods for Simultaneous Determination of Tramadol and Paracetamol in Pharmaceutical Formulations | Journal of Applied Spectroscopy, 2021 | L. A. Hussein, N. Magdy | D. S. Nakhla Pharmaceutics and College of Pharmacy at University of Iowa, I. A. Abdallah, Faculty of Pharmacy, University of Sadat City | Q4 | 0.816 |
| 68. | Stability indicating RP-HPLC and spectrophotometric methods for determination of gliflozins in their mixture with metformin | Journal of the Iranian Chemical Society, 2021 | Abdalghany, M. F., & Trabik, Y. A. | Sarah Elnadi & Samah Abdalsabour National Organization for Drug Control and Research (NODCAR) | Q3 | 2.019 |
| 69. | Universal procedures for spectrophotometric determination of anticoccidial drugs; application to | Central European | Abbas, M., Amira M El, Kosasy, | ----- | ----- | 0.508 |

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| | multi-ingredient veterinary formulation & computational investigations for multivariate analysis | Journal of Chemistry, 2021 | AbdelAziz, L. Nancy Magdy, | | | |
| 70. | Simultaneous quantitative determination of insulin aspart & insulin degludec in human plasma using simple shoot liquid chromatography method | Biomedical Chromatograph , 2021 | Amira M.El-Kosasy, Miriam F.Ayad | Eman A.Abdelwaly, Egyptian Drug Authority, Central Administration of Biological and Innovative Products and Clinical Studies Abeer A. Mohamed, Pharmaceutical Chemistry Department, Faculty of Pharmacy, Heliopolis University | Q4 | 1.902 |
| 71. | Green UHPLC Method for Simultaneous Determination of Febuxostat and Diclofenac in Pharmaceutical Dosage Form and Human Plasma | Journal of Analytical Sciences, Methods and Instrumentation , 2021 | Amira M. El-Kosasy | Fatma A. Fouad, Shimaa A. Mahmoud, Analytical Chemistry Department, Faculty of Pharmacy, Al-Azhar University | Q3 | 1.14 |
| 72. | Determination of fungicides' residues and their degradation kinetics in orange tree fruits using liquid chromatography – Tandem mass spectrometry coupled with QuEChERS method | Microchemical Journal, 2021 | Nermine V.Fares, Yasmeeen A.A. Hassan, Lobna A. Hussein, Miriam F. Ayad | ---- | Q1 | 4.821 |
| 73. | Investigation of a QuEChERS-Based Method for Determination of Polycyclic Aromatic Hydrocarbons in Rat Plasma by GC–MS | Journal of Analytical Toxicology, 2021 | Noha F El Azab, Yossra A Trabik | Said F Hotar | Q2 | 3.367 |
| 74. | Spectrophotometric Determination of Polyvinyl Pyrrolidone in Pure and Pharmaceutical Dosage Form | Journal of AOAC International, 2021 | Nourhan Kh Al-Afify, Yossra A Trabik, Amira M El-Kosasy, Nancy Magdy | ---- | Q3 | 1.913 |

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| 75. | Application of Precipitation-based and Nanoparticle-based Techniques for Fabrication of Potentiometric Sensors for Nano Molar Determination of Chitosan and Polyvinyl Pyrrolidone in Pharmaceutical Formulations and Biological Fluids | Electroanalysis, 2021 | Nourhan Kh Al-Affify, Yossra A Trabik, Amira M El, Kosasy, Nancy Magdy | ---- | Q2 | 3.223 |
| 76. | A comprehensive stability assessment of insulin degludec using New customized validated RP-HPLC and SEC-HPLC methods in an orthogonal testing protocol | Journal of Pharmaceutical and Biomedical Analysis, 2021 | Amira M.El-Kosasy, Miriam F.Ayad | Eman A.Abdelwaly, Abeer A.Mohamed | Q2 | 3.935 |
| 77. | Quality control of dietary supplements: An economic green spectrofluorimetric assay of Raspberry ketone and its application to weight variation testing | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2021 | Sarah H.Abdelaal, Noha F.El Azab, Amira M.El-Kosasy | Said A.Hassan | Q1 | 4.098 |
| 78. | In situ monitoring of triclosan in environmental water with subnanomolar detection limits using eco-friendly electrochemical sensors modified with cyclodextrins | Environmental Science: Processes & Impacts, 2021 | Nardine Safwat , Maha F. Abdel-Ghany, Miriam F. Ayad | Amr M. Mahmoud | Q1 | 4.238 |
| 79. | Influence of Nitrogen-Doped Carbon Dot and Silver Nanoparticle Modified Carbon Paste Electrodes on the Potentiometric Determination of Tobramycin Sulfate: A Comparative Study | Chemosensors, 2021 | Nermine V. Fares, Sherif Okeil, Miriam F. Ayad | Passant M. Medhat, Christine M. El Maraghy | Q3 | 3.398 |
| 80. | A Novel Glassy Carbon Electrode Modified with Multi-Walled Carbon Nanotubes for Potentiometric Xipamide Determination | Journal of The Electrochemical Society, 2021 | Maha F. Abd El Ghany and Nermine V. Fares | Mahmoud A. Tantawy, Haitham A. El Fiky, Amr M. Badawey, | Q2 | 4.316 |
| 81. | Assessment of brain-to-blood drug distribution using liquid chromatography | Biomedical Chromatography, 2021 | Noha M. El Zahar, | J. Michael Sutton, Michael G. Bartlett | Q4 | 1.902 |

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| 82. | Economic Spectrofluorometric Bioanalysis of Empagliflozin in Rats' Plasma | Journal of Analytical Methods in Chemistry, 2021 | Mariam Tadros, Noha El Zahar | Haidy Michel, Bassam Ayoub | Q3 | 2.193 |
| 83. | Oligonucleotide Anion Adduct Formation Using Negative Ion Electrospray Ion-Mobility Mass Spectrometry | Journal of the American Society for Mass Spectrometry, 2021 | Noha M. El Zahar | James Michael Sutton, Jaeah Kim, Michael G. Bartlett | Q2 | 3.109 |
| 84. | Repurposing of Omarigliptin as a Neuroprotective Agent Based on Docking with A2A Adenosine and AChE Receptors, Brain GLP-1 Response and Its Brain/Plasma Concentration Ratio after 28 Days Multiple Doses in Rats Using LC-MS/MS | Molecules, 2021 | Mariam M. Tadros | Bassam M. Ayoub ,Haidy E. Michel ,Shereen Mowaka ,Moataz S. Hendy | Q2 | 4.412 |
| 85. | Mathematical filtration of quaternary mixture to the zero order spectra of its individual components | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2021 | Abdel-Aziz, L., | Abdelrahman, M. H., Fahmy, N. M., Hesham, K., Tawakkol, S. M., | Q1 | 4.098 |
| 86. | Three Different Approaches Based on Derivative Ratio Spectra for Spectrophotometric Resolution of Quaternary Mixture in Semisolid Dosage Form. | Journal of AOAC International, 2021 | Abdel-Aziz, L., | Abdelrahman, M. H., Fahmy, N. M., Hesham, K., Tawakkol, S. M | Q3 | 1.913 |
| 87. | Potentiometric Carbon Quantum Dots-Based Screen-Printed Arrays for Nano-Tracing Gemifloxacin as a Model Fluoroquinolone Implicated in Antimicrobial Resistance | Chemosensors, 2021 | Miriam F. Ayad, Yossra A.Trabik, Mona H. Abdelrahman, Nermine V. Fares, Nancy Magdy | ---- | Q2 | 3.29 |
| 88. | Sensitive Derivative Synchronous and Micellar Enhanced Ecofriendly Spectrofluorimetric Methods for the Determination of Atenolol, Diclofenac, and Triclosan in Drinking Tap Water | Journal of AOAC International, 2021 | Nardine Safwat, Maha F Abdel-Ghany, Miriam F. Ayad | ---- | Q3 | 1.913 |

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| 90. | A potential breast cancer dual therapy using phytochemicals-loaded nanoscale penetration enhancing vesicles: A double impact weapon in the arsenal | Journal of Drug Delivery Science and Technology, 2020 | Nermine V. Fares , Ahmed E. Sobaih , Sharbek , Mohamed | Hend Abd-Allah , Hind Atta, Nada Ramekh, Hala Khaled, Mina William, Jailan Adel, Ali Waheed, Yasmeena Hisham, Omar Mostafa, Dina Samir, Rania M. Hathout | Q1 | 5 |
| 91. | Analytical comparability study of anti-CD20 monoclonal antibodies rituximab and obinutuzumab using a stability- indicating orthogonal testing protocol: Effect of structural optimization and glycoengineering | Journal of Chromatography B, 2020 | Yossra A.Trabik, Miriam F. Ayad | M.Moenes, Medhat A.Al- Ghobashy, Marianne Nebsen | Q2 | 2.99 |
| 92. | New and validated RP-HPLC Method for Quantification of Sildenafil Mesylate in Presence of Its Basic Degradate, Levodopa and Ondansetron: Application to Human Plasma | Journal of Chromatographic Science, 2020 | Amira M El-Kosasy, Lobna A Hussein | Nesma M. Mohamed, Nahla N Salama | Q3 | 1.50 |
| 93. | Development of Advanced Chemometric-Assisted Spectrophotometric Methods for the Determination of Cromolyn Sodium and Its Alkaline Degradation Products | Molecules 2020, | Noha M. El-Zahar, Mariam M. Tadros | Bassam M. Ayoub | Q2 | 4.15 |
| 94. | Rosuvastatin dose should be case individualized: An observation from inherited hypercholesterolemia case study | Die Pharmazie, 2020 | Tadros M. M., El Zahar N. M. | Ayoub, B. M. , Ashoush N HENDY M. S.; Mowaka S | Q2 | 1.17 |
| 95. | Enhanced Extraction Technique of Omarigliptin from Human Plasma— Applied to Biological Samples from Healthy Human Volunteers | Molecules 2020 | Mariam Tadros, Noha El Zahar | Shereen Mowaa, Nermeen Ashoush, Bassam Ayoub | Q2 | 4.15 |

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| 97. | Avoiding COVID-19 complications with diabetic patients could be achieved by multi-dose Bacillus Calmette– Guérin vaccine: a case study of beta cells regeneration | Die Pharmazie, 2020 | Tadros M. M | Ayoub B.M.; Ramadan E.; Ashoush N.; Hendy M. S.; Elmazar M. M.; Mousa S. A | Q2 | 1.17 |
| 98. | UPLC-MS/MS analysis of Sudan I, butylated-hydroxytoluene and its major metabolites from sampling sites along the Nile river-Egypt: Environmentally evaluated study | Microchemical Journal, 2020 | Nada S. Zamzam, Mona H. Abdel Rahman, | ----- | Q2 | 3.594 |
| 99. | Feasible oxidative degradates separation with instant quantification of two non-classical β -lactams by derivative UV spectrophotometry and TLC densitometry | Chemical papers, 2020 | A. M. El-Kosasy, O. Abdel Aziz | ----- | Q3 | 1.68 |
| 100 | A potential breast cancer dual therapy using phytochemicals-loaded nanoscale penetration enhancing vesicles | Journal of Drug Delivery Science and Technology, 2020 | Nermine V.Fares, Ahmed E. Sobaih | Abd-Allah, H., Atta, H., Ramekh, N., Khaled, H., William, M., Adel, J., Waheed, A., Hisham, Y. and Mostafa, O. | Q2 | 2.734 |
| 101 | Graphene nanoplatelets in potentiometry, A nanocomposite carbon paste and PVC based membrane sensors for analysis of Vilazodone HCl in plasma and milk samples | Talanta, 2019 | A.M. El-Kosasy, Mona Hamdy Abdelrahman, Sarah H. Abdelaal | ----- | Q1 | 4.916 |
| 102 | Determination of amlodipine and atorvastatin mixture by different spectrophotometric methods with or without regression equations | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2019 | N.V. Fares ,Maha Farouk | Ragaa Magdy, A. Hemdan Faculty of Pharmacy Ahran Canadian university | Q1 | 2.931 |
| 103 | Univariate calibrations with or without chemometric assistance for | Spectrochimica Acta Part A: Molecular and | N.V. Fares ,Maha Farouk | Ragaa Magdy, A. Hemdan | Q1 | |

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| 104 | Versatile Sensor Modified with Gold Nanoparticles Carbon Paste Electrode for Anodic Stripping Determination of Brexpiprazole: A Voltammetric Study | Journal of The Electrochemical Society, 2019 | Mona H. Abdel Rahman, | Ahmed M. Abdel-Raouf, Manal A. El-Shal, Ragab A. M. Said, Samir Morshedy, Mohamed S. Emara | Q1 | 4.38 |
| 105 | Environmentally Evaluated New HPLC/UV Method for the Simultaneous Determination of Acesulfame-K, Butylated Hydroxytoluene, and Aspartame and Its Degradant in Chewing Gum | Journal of AOAC International, 2019 | Nada S. Zamzam Mona H. Abdel Rahman, | ----- | Q3 | 1.12 |
| 106 | Validated RP-HPLC Method for Simultaneous Determination of Ribavirin, Sofosbuvir and Daclatasvir in Human Plasma: A Treatment Protocol Administered to HCV Patients in Egypt | Journal of Chromatographic Science, 2019 | Aya A Youssef, N Magdy, Lobna A Hussein, A M El-Kosasy | ----- | Q4 | 1.216 |
| 107 | TiO ₂ nanoparticles and ionic liquid platform for selective electrochemical determination of indacaterol in pharmaceutical formulations and human fluids: application to content uniformity | Journal of the Iranian Chemical Society, 2019 | Maha F. Abdel Ghany, Lobna A. Hussein, Nancy Magdy & Hend Z. Yamani | Shaima A. Atty | Q3 | 1.742 |
| 108 | Simultaneous Determination of Curcumin and Resveratrol in Lipidic Nanoemulsion Formulation and Rat Plasma Using HPLC: Optimization and Application to Real Samples | Journal of AOAC International, 2019 | Mona H. Abdel Rahman | Maha Nasr | Q3 | 1.12 |
| 109 | Ecofriendly Long Life Nanocomposite Sensors for Determination of Carbachol in Presence of Choline: Application in Ophthalmic Solutions and Biological Fluids | Sensors, 2019 | A.M. El-Kosasy, Mona H. Abdel Rahman | Eman Al-Harbi | Q2 | 3.031 |
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| 111 | Gadolinium in human brain sections and colocalization with other elements | Neurology-Neuroimmunology & Neuroinflammation, 2019 | A.H. El-Khatib | Helena Radbruch, Sabrina Trog, Boris Neumann, Friedemann Paul ,Arend Koch, Michael W. Linscheid, Norbert Jakubowski, and Eyk Schellenberger | Q1 | 7.35 |
| 112 | Characterization of hepatoprotective metabolites from Artemisia annua and Cleome droserifolia using HPLC/PDA/ESI/MS–MS | Revista Brasileira de Farmacognosia, 2019 | | Hesham El-Askarya, Heba Handoussab, farid Badriac, e, Abdulrhman Alsayarif, Michael W. Linscheid, Amira Abdel Motaal | Q4 | 1.75 |
| 113 | Neuromodulatory Activity of Dietary Phenolics Derived from Corchorus olitorius L. | Journal of Food Science, 2019 | | Reham Wagdy, Reham M. Abdelkader, Michael W. Linscheid, Nabila Hamdi, and Heba Handoussa | Q2 | 2.08 |
| 114 | Stable glycopyrrolonium bromide solid contact ion selective potentiometric sensors using multi-walled carbon nanotubes, polyaniline nanoparticles and polyaniline microparticles as ion-to-electron transducers: A comparative study | Sensors and Actuators B: Chemical, 2017 | Lobna. A. Hussein, Nancy Magdy, Hend Z. Yamani | ----- | Q1 | 7.34 |
| 115 | Novel potentiometric sensors for the determination of the dinotefuran insecticide residue levels in cucumber and soilsamples | Talanta, 2017 | Maha F. Abdel-Ghany , Lobna A. Hussein , Noha F. El Azab | ----- | Q1 | 5.76 |
| 116 | Simultaneous determination of three neonicotinoid insecticide residues and their metabolite in cucumbers and soil by QuEChERS clean up and liquid chromatography with diode-array | Analytical Methods, 2016 | Maha F. Abdel-Ghany , Lobna A. Hussein , Noha F. El Azab | ----- | Q2 | 2.77 |

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| 120 | Multiresidue Analysis of Five Neonicotinoid Insecticides and Their Primary Metabolite in Cucumbers and Soil Using High Performance Liquid Chromatography with Diode Array Detection | Journal of AOAC International, 2016 | Maha F. Abdel-Ghany, Lobna A. Hussein, Noha F. El Azab | ----- | Q3 | 1.913 |
| 121 | Simultaneous spectrophotometric determination of indacaterol and glycopyrronium in a newly approved pharmaceutical formulation using different signal processing techniques of ratio spectra | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2016 | Maha. F. Abdel-Ghany, Lobna. A. Hussein, Nancy Magdy, Hend Z. Yamani | ----- | Q1 | 4.098 |
| 122 | Determination of Dipyridamole in the presence of its degradation products and in the presence of Aspirin | Journal of Analytical Chemistry, 2016 | M. F. Abdel-Ghany, L. A. Hussein, M.H. Abdelrahman | ----- | Q4 | 1.01 |
| 123 | Development of Microwave-Assisted Extraction of Trigonelline Biomarker from Trigonella foenum- graecum Seeds Followed by High-Performance Thin-Layer | JPC-Journal of Planar Chromatography- Modern TLC, 2015 | Lobna. A. Hussein, Maha. F. Abdel-Ghany, Hend Z. Yamani | ---- | Q4 | 0.75 |

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| 124 | Simultaneous Determination of Octinoxate, Oxybenzone, and Octocrylene in a Sunscreen Formulation Using Validated Spectrophotometric and Chemometric Methods | AOAC International, 2015 | Omar Abdel-Aziz, Miriam F. Ayad, & Neven N. Mikawy | ---- | Q3 | 1.913 |
| 125 | Validation of four different spectrophotometric methods for simultaneous determination of Domperidone and Rantidine in bulk and pharmaceutical formulation | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2015 | Maha F. Abdel-Ghany, Omar Abdel-Aziz, Yomna Y. Mohammed | ---- | Q1 | 4.098 |
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| 127 | Screening and Optimization of the reaction of Polymyxin B sulphate with NBD-Cl for the synchronous spectrofluorimetric determination of Polymyxin B sulphate in human plasma | Journal of Fluorescence, 2015 | A.M. El-Kosasy, Omar Abdel-Aziz, N. Magdy, N.M. El Zahar | ---- | Q3 | 2.04 |
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| 129 | Compatible validated spectrofluorimetric and spectrophotometric methods for determination of vildagliptin and saxagliptin by factorial design experiments | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2015 | Omar Abdel-Aziz, Miriam F. Ayad, Mariam M. Tadros | ---- | Q1 | 4.098 |
| 130 | Two smart spectrophotometric methods for the simultaneous estimation of Simvastatin and Ezetimibe in combined dosage form | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2015 | Nancy Magdy, Miriam F. Ayad | ---- | Q1 | 4.098 |

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| 136 | New Approach for Measuring Antioxidant Activity Via a Graphite Sensor | Portugaliae Electrochimica Acta, 2014 | Omar Abdel-Aziz, A.M. El Kosasy, S.M. El-Sayed Okeil | ---- | Q4 | 1.48 |
| 137 | Novel spectroscopic methods for determination of Cromolyn sodium and Oxymetazoline hydrochloride in binary mixture | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2014 | A.M. El-Kosasy, L.A. Hussin, M. H. AbdelRahman | ---- | Q1 | 4.098 |
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| 140 | New HPLC and Fluorometric Methods for the Determination of Pyriproxyfen and Pyridalyl Insecticide Residues in Tomatoes | Journal of AOAC International, 2014 | Maha F. Abdel-Ghany, Omar Abdel-Aziz, Miriam F. Ayad, Mariam M. Tadros | ---- | Q3 | 1.913 |
| 141 | Different techniques for determination of imidacloprid insecticide residues | International Journal of Environmental Analytical Chemistry, 2013 | Maha Farouk, Lobna Abdel Aziz Hussein & Noha Fathy El Azab | ---- | Q4 | 1.76 |
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| 144 | A Novel Potentiometric Detection Strategy for the Determination of Amlodipine Besylate Based on Functionalized Particles | Electroanalysis, 2014 | Amira M. El-Kosasy, Miriam F. Ayad and | Ahmed I. Sheta Shereen M. Tawakkol, | Q2 | 3.223 |
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**Some Co-Administered Drugs in
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