

Curriculum Vitae

- **PERSONAL INFORMATION**

Name: Azza Hesham Mansour Mahmoud Rageh

Date of birth: August/01/1982

Citizenship: Egyptian

Marital status: Married/two children.

Last Degree: PhD

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azzarageh@gmail.com,
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Address: Assiut University, Faculty of Pharmacy, Department of Pharmaceutical Analytical Chemistry, 71526, Assiut, Egypt

Mobile: 002-01024004098

Languages:

- **Arabic:** mother language
- **English:** 93 in Internet Based Toefl (IBT) in January 2010, have passed local Toefl test with a score 570 in June 2005
- **German:** DSH 3 (87%)

Research Profiles:

- **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=21233802300>
 - **Google Scholar account:**
<https://scholar.google.com.eg/citations?user=Zpcg7t4AAAAJ&hl=en>
 - **Researchgate account:** https://www.researchgate.net/profile/Azza_Rageh
 - **Orcid:** <https://orcid.org/0000-0003-1359-3071>
 - **Web of Science:** <https://www.webofscience.com/wos/author/record/AAD-8345-2020>
 - **ResearcherID:** <https://researcherid.com/rid/AAD-8345-2020>
- h-index:*** 15 (Scopus 2025) <https://www.scopus.com/authid/detail.uri?authorId=21233802300>

- **EDUCATION**

FORMAL EDUCATION

- 1988-1993 Primary School
- 1994-1996 Preparatory School
- 1997-1999 Secondary School

GRADUATION

- **May 2004** Bachelor of Pharmaceutical Sciences, Faculty of Pharmacy, Assiut University, Assiut, Egypt; Excellent, Honor (ranked as 1st).

POST-GRADUATE STUDIES

- **April 2005** Apply for the postgraduate studies in Pharmaceutical Analytical

Chemistry at the Assiut Faculty of Pharmacy, Egypt

- **PREREQUISTE MASTER COURSES (2006-2007)**

Instrumental analysis for chemical compounds

Mathematics and biostatistics

Physical chemistry

Laboratory safety and waste disposal

Advanced analytical chemistry

Advanced pharmaceutical analytical chemistry

Advanced medicinal chemistry B

Comment: Have passed all the previously mentioned courses with excellent degree except for advanced medicinal chemistry B (very good).

- **MASTER THESIS**

August 2006 Register a master thesis entitled: "*Analysis of certain cephalosporins via spectroscopic and densitometric methods*"

June 2008 Master degree in Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Assiut University, Egypt

- **PhD THESIS**

July 2011 Register a PhD thesis entitled: "*On-line and off-line enrichment techniques combined with capillary electromigration separation methods in the analysis of highly hydrophilic analytes in biological and environmental samples*"

May 2015 PhD degree, Doctor of Natural Sciences, Dr. rer. nat (Pharmaceutical Analytical Chemistry), Department of Chemistry, Marburg University, Marburg, Germany; Excellent (Honor)

- **RESEARCH INTERESTS**

- 1- Various Chromatographic techniques including: a-capillary electromigration separation techniques such as capillary zone electrophoresis (CZE), micellar electrokinetic chromatography (MEKC), capillary electrochromatography (CEC) and capillary isotachphoresis, b- high performance liquid chromatography, HPLC (using UV or fluorescence detection), c- Gas chromatography, GC (using GC/MS, GC/MS/MS or GS/FID), d- Thin layer chromatography (TLC).
- 2- Synthesis of nanomaterials with different functionalities and their application in biological and environmental monitoring
- 3- Electrochemical methods including: cyclic voltammetry, square wave voltammetry and stripping voltammetry.
- 4- Spectroscopic techniques (UV/visible, fluorescence, phosphorescence, chemiluminescence, flame emission, atomic absorption and atomic fluorescence spectroscopy)
- 5- Flow injection analysis

- 6- Using the previously mentioned methodologies together with efficient extraction techniques in analysis of compounds of biological and pharmaceutical interest in different matrices also including the application of these methods in environmental analysis

- **TECHNICAL EXPERIENCES**

- 1- Basic skills in volumetric analysis including acid-base, precipitometry, complexometry, gravimetry and redox titrations
- 2- Chromatographic techniques (CE, HPLC, qualitative and quantitative TLC)
- 3- Spectroscopic techniques (UV/visible, fluorescence, flame emission and atomic absorption spectroscopy)
- 4- Analytical methods development and validation including stability-indicating assay methods.
- 5- Impurity testing and photo-stability testing of drug substances and products.
- 6- Different synthetic approaches for nanomaterials synthesis and characterization.
- 7- Excellent general computer skills (International Computer Driving License [ICDL]).
- 8- Good command of Learning Management Systems (LMS) such as MOODLE.
- 9- Professional skills in several scientific software such as OriginLab, Minitab and EndNote.

- **SOCIETIES, MEMBERSHIPS and BOARDS**

- **1999-2004** High board member of the "Scientific Association of Assiut Pharmacy Students, SAAPS"
- **2004** Member of the Assiut and Egyptian Pharmaceutical Syndicate
- **2005** Active member of Pharmaceutical Society of Egypt
- **2007** Member of "Performance Evaluation and Development Unit" in Assiut University
- **2007** High board member of "Establishment of Internal Quality Assurance System Program" in Faculty of Pharmacy
- **2011** Member in the German Chemical Society (GDCh)
- **2012** Member in Marburg University Research Academy (MARA)

- **PREVIOUS AND CURRENT POSITIONS**

- **3/2005 - 9/2008:** Demonstrator of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt and teaching assistant for undergraduate students.
- **9/2008 - 10/2010:** Assistant lecturer at the Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt and teaching & Evaluation of the practical part of the pharmaceutical analytical Chemistry courses.
- **10/2010 – 6/2015:** PhD scholar at Marburg University, Department of Chemistry (Analytical Chemistry), Marburg, Germany.
- **9/2015 – 9/2020:** Lecturer at the Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt.

- **9/2020 - 9/2024:** Associate professor at the Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
- **9/2024 – to date:** **Assistant professor** at the Department of Pharmacognosy and Pharmaceutical Chemistry, College of Pharmacy, Taibah University, Al-Madinah Al-Mounawarah, Saudi Arabia.
- **9/2025 – to date:** **Professor** at the Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt

- **TEACHING EXPERIENCES**

- **Undergraduate courses for PHARM–D and PHARM-D (Clinical)**
 - Pharmaceutical Analytical Chemistry 1 (PA101)
 - Pharmaceutical Analytical Chemistry 2 (PA202)
 - Pharmaceutical Analytical Chemistry 2 (PC306)
 - Instrumental Analysis (PC 407)
 - Pharmaceutical Analysis and Quality Control (PC 808)
 - General Chemistry for Pharmaceutical Sciences (PHRM 101)
 - Pharmaceutical Analytical Chemistry 1 (PPC 216)
 - Pharmaceutical Analytical Chemistry 1 (PPC 211)
- **Graduate courses:**
 - Instrumental Analysis (Instrumental Analysis and Quality Control Diploma, DAC-205)
 - Recent Advances in Instrumentation (Master Program, MAC-301)
 - Functional Group Analysis and Chemical Derivatives Assay (Master Students, MAC-306)
 - New Trends in Drug Analysis (PhD students, PAC-402)

- **CONFERENCES, WORKSHOPS, SEMINARS, TRAINING PROGRAMS AND MEETINGS**

- **March 2004** Assiut University 4th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut (organization committee).
- **March 2006** Assiut University 5th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut (organization committee).
- **March 2008** Assiut University 6th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut (two research articles have been presented; one as a poster entitled "**Spectrophotometric method for determination of certain cephalosporins using 7-chloro-4-nitrobenzo-2-oxa-1,3-diazole (NBD-Cl)**" and the second one as an oral presentation entitled "**Selective densitometric analysis of cephalosporins using Dragendorff's reagent**".
- **March 2010** Assiut University 7th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut (organization committee).
- **October 2011-March 2012** "**Electromigration Separation Techniques**" course by Prof. Dr. Ute Pyell, Winter semester, Department of Chemistry, University of Marburg, Germany.
- **October 2011** "Neue Entwicklungen und methodische Möglichkeiten in der Proteom-

Analyse" workshop, Max-Planck-Institut für terrestrische Mikrobiologie, Marburg, Germany.

- **September 2012 CE-Forum Aalen**, Aalen University, Germany One research article as a poster entitled **"New strategy for MEKC analysis of highly hydrophilic urinary nucleosides using imidazolium-based IL-type surfactant"**.
- **January 2013** Attendance of '23. Doktorandenseminar des Arbeitskreises Separation Science der GDCh-Fachgruppe Analytische Chemie 2013' in Hohenroda, Germany.
- **June 2013 HPLC 2013 Amsterdam** (one research article as a poster entitled **"Sweeping-Large Volume Sample Stacking (LVSS) as Two Sequential Steps for Online Enrichment of Some Cancer Biomarkers"**).
- **September 2013**, Marburg University, Germany, Attendance of a workshop with the title **"My Manuscript is Ready to Be Submitted – What Next?"**.
- **September 2013 CE-Forum Jena** One research article as a poster entitled **"Determination of Urinary Nucleosides by Dynamic pH Junction-Sweeping-LVSS-Capillary Electrophoresis"**. This poster was presented by **Prof. Dr. Ute Pyell**, University of Marburg, Germany.
- **October 2013** Attendance of 5 lectures under the title **"Bioanalytical Separation & Detection on Microchip Platforms"** that were presented by Dr. Tom van de Goor (Agilent Technologies, Waldbronn).
- **January 2014** Active participation in '24. Doktorandenseminar des Arbeitskreises Separation Science der GDCh-Fachgruppe Analytische Chemie 2014' in Hohenroda by giving a talk summarising the results of my first publication with the title: **Imidazolium-based Ionic Liquid-type Surfactant as Pseudostationary Phase in Micellar Electrokinetic Chromatography of Highly Hydrophilic Urinary Nucleosides**.
- **September 2014 CE-Forum Marburg**, Marburg University, Germany One research article as an oral presentation entitled **"Off-line and On-line Enrichment of α -Aminocephalosporins for Their Analysis in Surface Water Samples Using CZE Coupled to LIF"** and another research article as a poster entitled **"Boronate Affinity-Assisted MEKC Separation of Highly Hydrophilic Urinary Nucleosides Using Imidazolium-based Ionic Liquid-type Surfactant as Pseudostationary Phase"**.
- **October/November 2014** Marburg University, Germany, Attendance of a workshop with the title **"Writing Scientific Publications in Life and Natural Sciences"**.
- **April 2016** Assiut University 10th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut (presenting a lecture with the title: **Imidazolium-based Ionic Liquid-type Surfactant as Pseudostationary Phase in Micellar Electrokinetic Chromatography of Highly Hydrophilic Urinary Nucleosides**).
- **October/November 2016** Assiut University 5th International Conference for Young Scientists in Basic and Applied Science, Faculty of Science, Assiut (One research article as a poster presentation entitled **"Utility of Ionic Liquid-based Surfactant in the Square Wave Voltammetric Determination of a Cholesterol Lowering Drug Atorvastatin at Pencil Graphite Electrode"**).
- **November 2017** Faculty of Pharmacy, Assiut University Attendance of a workshop

with the title **"Services provided by Egyptian Knowledge Bank and its use to get information from international scientific publishers"**.

- **January 2018**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **"Statistical analysis in scientific research"**.
- **January 2018**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **"Publication of research in scientific journals"**.
- **April 2018** Assiut University 11th Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut (organization committee) in addition to a poster presentation with the title **"A validated RP-UPLC method for determination of levetiracetam and lacosamide in bulk and spiked human urine"**.
- **May 2018**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **"E-learning (Advanced)"**.
- **November 2018** Faculty of Pharmacy, Assiut University, Attendance of a workshop with the title **"Management and tabulation of citations and scientific literature using Mendeley"**.
- **November 2018** Faculty of Pharmacy, Assiut University, Attendance of a workshop with the title **"Prezi presentation program"**.
- **December 2018** Faculty of Pharmacy, Assiut University, Attendance of a scientific workshop with the title **"Electroanalytical Chemistry and its applications in pharmaceutical fields and drug pharmacokinetics"**.
- **December 2018**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **"Funding of scientific projects and scholarships"**.
- **March 2019**, Drug research center, Assiut University, Organization, and attendance of the scientific workshop **"Thin-layer and high-performance thin layer chromatography (TLC and HPTLC): Theory and applications"**.
- **April 2019**, Drug research center, Assiut University, attendance of the scientific workshop **"High Performance Liquid Chromatography (HPLC) as a research Tool for Versatile Applications"**.
- **July 2019**, Attendance of a one-hour webinar and Q&A session entitled **"Deciding Between Quaternary and Binary Systems: How to Select the Best UPLC System for Your Application Needs"**.
- **June 2019**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **"How to activate the E-course"**.
- **October 2019**, Drug research center, Assiut University, attendance of the scientific workshop **"Recent advanced techniques for Green Analysis and Green Technology"**.
- **November 2019** 3rd International conference on Applied Chemistry – ICAC 2019, Hurghada, Egypt (One research article as a poster presentation entitled **"Pencil graphite electrode decorated with xylenol orange flakes for studying possible pharmacokinetic interaction between vardenafil and daclatasvir"**).
- **December 2019**, Faculty and leadership development center (FLDC) - Assiut

University, Attendance of the training program **“Communication skills”**.

- **October 2020**, Attendance of 2020 online CE-Forum hosted by the Federal Institute for Materials Research and Testing (BAM, Berlin).
- **November 2020**, Assiut University 12th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, a poster presentation with the title **“Optimization of A Sensitive and Robust Strategy for MEKC Analysis of Sofosbuvir in Combination with its Co-Formulated Hepatitis C Antiviral Drugs”**.
- **December 2021**, Attendance of online module **“Proposal Writing for Post Docs”** organized by DAAD, Cairo.
- **February 2022**, Faculty of Pharmacy, Assiut University, Attendance of a workshop with the title **“Implementation of Competency based Pharmacy education”**.
- **March 2022**, Faculty of Pharmacy, Assiut University, Attendance of a workshop with the title **“Documentation of evidence for self-evaluation criteria”**.
- **June 2022**, CAMAG/SelectScience, Attendance of an online webinar with the title **“The Universal HPTLC Mix (UHM): A new concept for System Suitability Tests (SST) in high-performance thin-layer chromatography”**.
- **August 2022**, e-Learning Phenomenex, Attendance of an online webinar with the title **“Exploring LC Selectivity Using Steroids in a Clinical Setting”**.
- **September 2022**, 2nd International Conference on Pharmaceutical, Biological Sciences and Applied Chemistry – Faculty of Pharmacy – Deraya University hold in Hurghada, Egypt (A lecture entitled **“Innovations in Microextraction techniques for Sampling and Sample preparation”**).
- **September 2022**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **“Conference organization”**.
- **October 2022**, e-Learning Phenomenex, Attendance of an online webinar with the title **“Sample Preparation Strategies for Analysis of Pain Panel Research Analytes in Difficult Matrices”**.
- **October 2022**, e-Learning Phenomenex, Attendance of an online webinar with the title **“HILIC - Systematic Approach to Method Development”**.
- **November 2022**, e-Learning Phenomenex, Attendance of an online webinar with the title **“Advances in GC for Environmental Semi-Volatile and Volatile Organic Analysis”**.
- **November 2022**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **“Preparing a proposal for a competitive research project”**.
- **November 2022**, Assiut University 13th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, a poster presentation with the title **“QuEChERS-based approach toward the analysis of Almotriptan, Timolol, and Verapamil in plasma samples using ion-pair Chromatography”**.
- **January 2023**, e-Learning Phenomenex, Attendance of an online webinar with the title **“The Evolution of HPLC and UHPLC Column technology”**.
- **January 2023**, e-Learning Phenomenex, **New Sample Preparation Tips and Tricks**

for the Extraction of Polar Analytes”.

- **January 2023**, e-Learning Phenomenex, **Five Habits that Make Your LC Method More Consistent”.**
- **January 2023**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **“Self-study preparation for the educational institution”.**
- **September 2023**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **“Excellence in university teaching”.**
- **October 2023**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **“Recent trends in the development of higher educational institutions”.**
- **November 2023**, e-Learning Phenomenex, **HPLC Method Development – Choosing a Mobile Phase for Your Assay”.**
- **December 2023**, 2nd International Conference of the Faculty of Pharmacy, Delta University for Science and Technology, a poster presentation with the title **“Development of an innovative turn-on fluorescent probe for targeted *in-vivo* detection of nitric oxide in rat brain extracts as a biomarker for migraine disease”.**
- **December 2023**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **“Analytical and creative thinking in teaching”.**
- **May 2024**, Faculty and leadership development center (FLDC) - Assiut University, Attendance of the training program **“Fundamentals of Digital Transformation" Two Modules: Web Search and Mobile Applications”.**
- **August 2024**, Mansoura University 4th International Conference of Pharmaceutical Sciences, Faculty of Pharmacy, Attendance of workshop with the title **“From Theory to Practice: Mastering Green Chemistry and Greenness Assessment in Pharmaceutical Analysis”.**
- **August 2024**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Orientation for New Faculty Members for the Academic Year 1446 AH”.**
- **September 2024**, Faculty of Pharmacy, Taibah University, Attendance of a workshop with the title **“Mastering the Blueprint for Learning Outcomes: Tools for Academic Excellence”.**
- **September 2024**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Introduction to the Blackboard System Interface and How to Use Virtual Classrooms”.**
- **October 2024**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Integrating Technology into University Education”.**
- **November 2024**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Management of Quality Assurance in Student Assessment”.**

- **November 2024**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Framework for Employing Artificial Intelligence Programs in Writing Research Proposals”**.
 - **November 2024**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Writing the Course Report”**.
 - **November 2024**, Assiut University 14th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, a poster presentation with the title **“Electrostatic Interaction-Driven Fluorescence Quenching – A New Approach for Non-Invasive Amisulpride Detection in Saliva Samples Using Carbon Dots”**.
 - **January 2025**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Artificial Intelligence and Scientific Research”**.
 - **January 2025**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Planning for Teaching and Learning Processes”**.
 - **February 2025**, Deanship of Development and Quality – Taibah University, Attendance of the training Program **“Creating a Plan to Assess Learning Outcomes and Track Progress”**.
 - **February 2025**, Deanship of Development and Quality in cooperation with Faculty of Pharmacy – Taibah University, Attendance of the training Program **“Ultra-Performance Liquid Chromatography with mass detector and its applications”**.
 - **February 2025**, Attendance of **“The 3rd Ramadan and Health Virtual Conference”**, Held on The Chapter Academy and accredited with 12 CME hours from the Saudi Commission for Health Specialists.
 - **March 2025**, Pharmacy Center of Scientific Excellence, Faculty of Pharmacy, Mansoura University, Attendance of Online Workshop with the title **“The synergy of AI and NMR: Revolutionizing Drug Discovery”**.
 - **March 2025**, Attendance of the training course **“Advanced of Oncology Medications”** held by Durrah Alriyadh Training Centre and accredited with 13 CME hours from the Saudi Commission for Health Specialists.
 - **April 2025**, Taibah Pharmacy International Conference, College of Pharmacy, Taibah University, Saudi Arabia, a poster presentation with the title **“Zirconium-based hydrophobic-MOFs as innovative electrode modifiers for flibanserin determination: Exploring the electrooxidation mechanism using a comprehensive spectroelectrochemical study”**.
- **Publications with peer review process**
 1. M.I. Said, **A.H. Rageh**, A.A.K. Mohammed, I. Nevoigt, F. Schulz, W.J. Parak, I. Chakraborty “Towards development of luminescent silver-based metal organic frameworks for selective detection of trifluralin” **Inorganic Chemistry Communications** 178 (2025) 114429.
 2. F.M. Abdel-aal, A.M. Mahmoud, **A.H. Rageh**, M.R. Elmasry, Y.A. Jordan, M.M. El-Wakil, A.B. Ali “Selective Dual-Mode Detection of Doxycycline Using Orange Carbon Dots/Calcium-Murexide Composite System: From Spectroscopic Analysis to Smartphone-Based Sensing” **Talanta Open** 11 (2025) 100438.

3. **A.H. Rageh***, M.I. Said, A. Abdeltawab, F.M. Abdel-aal "Innovative MOF-Enhanced Electroanalytical Approach for Sensitive Sunitinib Malate Detection in Renal Carcinoma Patients Using CuO/Lanthanum MOF-Modified Carbon Paste Electrode" **Talanta Open** 11 (2025) 100404.
4. **A.H. Rageh***, M.I. Said, F.M. Abdel-aal "Zirconium-based hydrophobic-MOFs as innovative electrode modifiers for flibanserin determination: Exploring the electrooxidation mechanism using a comprehensive spectroelectrochemical study" **Microchimica Acta** 191 (2024) 236.
5. N.N. Atia, P.Y. Khashaba, S.A. El Zohny, **A.H. Rageh*** "Development of an innovative turn-on fluorescent probe for targeted in-vivo detection of nitric oxide in rat brain extracts as a biomarker for migraine disease" **Talanta** 272 (2024) 125763.
6. **A.H. Rageh***, F.M. Abdel-aal, S.A. Farrag, A.B. Ali "A Surfactant-based quasi-Hydrophobic Deep Eutectic Solvent for Dispersive Liquid-Liquid Microextraction of Gliflozins from Environmental Water Samples using UHPLC/Fluorescence Detection" **Talanta** 266 (2024) 124950.
7. A.B. Ali, F.M. Abdel-aal, **A.H. Rageh**, A.I. Mohamed "A Comprehensive Review on Analytical Techniques for Determination of Sex Stimulants, PDE5 Inhibitors in Different Matrices with Special Focus on the Electroanalytical Methods" **Crit. Rev. Anal. Chem.** (54 (2024) 2023–2052
8. **A.H. Rageh***, P.Y. Khashaba, S.A. El Zohny, N.N. Atia "QuEChERS-assisted ion pair chromatography/fluorescence detection method for determination of antimigraine combination therapy in rabbit plasma samples: Application to a pharmacokinetic study" **J. Pharm. Biomed. Anal.** 25 (2023) 115653.
9. **A.H. Rageh**, M. Ibrahim, M.I. Said "Bifunctional Fe(III) Metal-Organic Framework: A Highly Sensitive "turn-off" Fluorescent Probe and A Precursor of Magnetite Nanoparticles for Potential Water Decontamination" **Solid State Sciences** 140 (2023) 107202.
10. A.B. Ali, **A.H. Rageh***, F.M. Abdel-aal, A.I. Mohamed "Anatase titanium oxide nanoparticles and multi-walled carbon nanotubes-modified carbon paste electrode for simultaneous determination of avanafil and doxorubicin in plasma samples" **Microchem. J.** 185 (2023) 108261.
11. S.A. Farrag, **A.H. Rageh***, H.F. Askal, G.A. Saleh "HPTLC/MS and HPTLC/UV for monitoring of degradation behavior of some β -Lactam antibiotics mixtures under ambient storage conditions" **Microchem. J.** 185 (2023) 108241.
12. A.B. Ali, F.M. Abdel-aal, **A.H. Rageh**, A.I. Mohamed "Cytochrome P450 3A4 mediated pharmacokinetic interaction study between Tadalafil and Canagliflozin using High Performance Thin Layer Chromatography" **J. Sep. Sci.** 45 (2022) 4187-4197.
13. S.A. Farrag, **A.H. Rageh***, H.F. Askal, G.A. Saleh "Biocompatible magnetite nanoparticles coated with ionic liquid-based surfactant as a hydrophilic sorbent for dispersive solid phase microextraction of cephalosporins prior to their quantitation by HPTLC" **J. Chromatogr. B** 1205 (2022) 123339.

14. A.B. Ali, F.M. Abdel-aal, **A.H. Rageh***, A.I. Mohamed "Hybrid NiO nanostructured/sulfanilamide polymeric film for studying possible pharmacokinetic interaction between avanafil and nimodipine in real human serum by their simultaneous determination using square-wave voltammetry" **Microchem. J.** 172 (2022) 106895.
15. P.Y. Khashaba, **A.H. Rageh***, N.N. Atia, S.A. El Zohny "Vortex-assisted Dispersive solid phase microextraction Using Fe₃O₄/FeOOH magnetic nanocomposites for high-performance thin-layer chromatographic determination of zolmitriptan in rabbit plasma samples" **J. Chromatogr. A** 1656 (2021) 462276
16. M.I. Said, F.M. Abdel-aal, **A.H. Rageh** "Novel sponge-like Mn₅O₈ nanoparticles deposited on graphite electrode for electrochemical study of hepatitis C antiviral drug, elbasvir" **Microchem. J.** 157 (2020) 105056.
17. **A.H. Rageh***, F.M. Abdel-aal, U. Pyell "Optimization of A Sensitive and Robust Strategy for MEKC Analysis of Sofosbuvir in Combination with its Co-Formulated Hepatitis C Antiviral Drugs" **J. Chromatogr. A** 1616 (2020) 460795.
18. A.I. Mohamed, **A.H. Rageh***, F.M. Abdel-aal, A.B. Ali "Pencil graphite electrode decorated with xylenol orange flakes for studying possible pharmacokinetic interaction between vardenafil and daclatasvir" **Electroanalysis** 32 (2020) 635-647.
19. H. Elmansi, J. Nasr, **A.H. Rageh**, M. El-Awady, G. Sadek, F. Belal, H. Abdel-Aziz "Assessment of lipophilicity of newly synthesized celecoxib analogues using reversed-phase HPLC" **BMC Chemistry** 13 (2019) 84.
20. F.A. Mohamed, M.F. Bakr, **A.H. Rageh**, A.M. Mostafa "Highly sensitive UPLC-DAD for simultaneous determination of two synergistically-acting antiepileptic drugs levetiracetam and lacosamide: Application to pharmaceutical tablets and human urine" **Biomed. Chromatogr.** 33 (2019) e4554.
21. N.N. Atia, H.M. Tawfeek, **A.H. Rageh**, M. El-Zahry, M. Younis, A. Abdelfattah "Novel sublingual tablets of atorvastatin calcium/trimetazidine hydrochloride combination; HPTLC quantification, in vitro formulation and characterization" **Saudi Pharmaceutical Journal**, 27 (2019) 540-549.
22. S. Ahmed, N.N. Atia, **A.H. Rageh** "Selectivity enhanced cation exchange chromatography for simultaneous determination of peptide variants" **Talanta** 199 (2019) 347-354.
23. **A.H. Rageh***, S.A. Abdel-Rahim, H.F. Askal, G.A. Saleh "Hydrophilic-interaction planar chromatography in ultra-sensitive determination of α -aminocephalosporin antibiotics. Application to analysis of cefalexin in goat milk samples using modified QuEChERS extraction technique" **J. Pharm. Biomed. Anal.** 166 (2019) 421-434.
24. F.A. Mohamed, M.F. Bakr, **A.H. Rageh**, A.M. Mostafa "A highly sensitive HPTLC method for estimation of Oxcarbazepine in two binary mixtures with two metabolically related antiepileptic drugs: Application to pharmaceutical tablets and human plasma samples". **Microchem. J.** 146 (2019) 414-422.
25. A.M. Mostafa, **A.H. Rageh**, M.F. Bakr, F.A. Mohamed "Micelle and inclusion complex enhanced spectrofluorimetric methods for determination of Retigabine: Application in pharmaceutical and biological analysis" **Spectrochim. Acta A Mol Biomol Spectrosc.** 207 (2019) 251-261.

26. **A.H. Rageh**, U. Pyell, "“Pseudostationary Ion-Exchanger” Sweeping as an Online Enrichment Technique in the Determination of Nucleosides in Urine via Micellar Electrokinetic Chromatography”, **Chromatographia** 82 (2019) 325-345.
27. F.M. Abdel-aal, **A.H. Rageh**, M.I. Said, G.A. Saleh “ ϵ -MnO₂-modified graphite electrode as a novel electrochemical sensor for the ultrasensitive detection of the newly FDA approved Hepatitis C antiviral drug ledipasvir” **Anal. Chem. Acta** 1038 (2018) 29-40.
28. **A.H. Rageh***, N.N. Atia, H.M. Abdel-Rahman “Application of salting-out thin layer chromatography in computational prediction of minimum inhibitory concentration and blood-brain barrier penetration of some selected fluoroquinolones”, **J. Pharm. Biomed. Anal.**, 159 (2018) 363-373.
29. M.I. Said, **A.H. Rageh***, F.M. Abdel-aal “Fabrication of novel electrochemical sensors based on modification with different polymorphs of MnO₂ nanoparticles. Application to furosemide analysis in pharmaceutical and urine samples” **RSC Adv.** 8 (2018) 18698-18713.
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• **AWARDS**

- **1999** Qena State Medal for Top Ten Secondary School Graduates; ranked as the 1st
- **2004** Assiut State Medal for Top Ten University Graduates; ranked as the 1st
- **2004** T3A Prize for Top Ten Pharmacy Graduates; ranked as the 1st
- **2005** Certificate of honour from the "Egyptian Pharmaceutical Syndicate" for scientific excellence
- **2008** Certificate of honour from the "Faculty of Pharmacy, Assiut University" for scientific effort and excellence in the Master Thesis
- **2010** Award of the best scientific master thesis in Medicinal and Pharmaceutical Sciences on Assiut University level
- **2013** nominated for Agilent best poster award in HPLC 2013 Amsterdam
- **2016-2020** International publication awards, Assiut University
- **2020** State Encouragement Award in the field of Medical Sciences
- **2025 SECOND PLACE in the Best Scientific Poster Competition (Pharmacists/ Academics category)** at the Taibah Pharmacy International Conference (TPIC-2025) Held on 16 – 17 April, in Madinah, , Saudi Arabia.

• **GRANTS**

- PhD scholarship through German Egyptian Research Long-Term Scholarship program GERLS/DAAD **October 2010-January 2015**
- German Chemical Society (GDCh) scholarship for the CE Forum organized in Hochschule Aalen, **September 24-25, 2012, Aalen, Germany**
- German Chemical Society (GDCh) scholarship for HPLC **2013 organized in Amsterdam, June 16-20, Netherlands**
- German Chemical Society (GDCh) scholarship for active participation in '24. Doktorandenseminar des Arbeitskreises Separation Science der GDCh-Fachgruppe Analytische Chemie **2014**' in Hohenroda

- Marburg University Research Academy (MARA) scholarship for supporting young woman scientists with children
 - Small equipment program grant of a value of € 1.500 provided by DAAD **June 2015**
 - **Three-months research stay** in Marburg University, Germany via DAAD re-invitation program for previous DAAD scholarship holders **July 2018-October 2018**.
 - Scientific equipment grants financed by German Federal Ministry for Economic Cooperation and Development (BMZ) (**June 2021**).
 - **Six-months research stay** in Hamburg University, Germany via Egyptian mission scholarship programme (**14/7/2021 – 14/1/2022**).
- **Licenses and Certifications**
 - **Pharmacist License**, Saudi Commission for Health Specialties (SCFHS) after passing prometric exam (SPLE) in January 2025.
- **Supervised Master and PhD thesis**
 - 1- **Aya Mounier Mostafa**, Analytical Study of Some Antiepileptic Drugs, **MSc, 18 December 2018**.
Supervisors: Fardous A. Mohamed, Marwa F. Bakr, **Azza H. Rageh**.
 - 2- **Sherein A. Farrag**, Analytical study of stability and extractability of some Selected β -lactam containing Antibiotics in the Egyptian market, **PhD, 16 June 2022**
Supervisors: Gamal A. Saleh, Hassan. H. Askal, **Azza H. Rageh**.
 - 3- **Almontaser Bellah Ali**, Analytical study of possible pharmacokinetic interactions between phosphodiesterase-5 inhibitors and certain concomitantly administered drugs, **PhD, 29 June 2022**.
Supervisors: Abel-Maboud I. Mohamed, **Azza H. Rageh**, Fatma A.M. Abdel-aal
 - 4- **Sally A. El Zohny**, Analytical investigation of certain drugs used in treatment of acute and chronic migraine, **PhD, 18 February 2024**
Supervisors: Pakinaz Y. Khashba, Noha. N. Atia, **Azza H. Rageh**
 - 5- **Mirna Gamal**, Multi-matrix analysis of atypical antipsychotics employing fluorescence and chromatographic techniques, **Registered for Master degree 21 April 2024**.
Supervisors: Noha. N. Atia, **Azza H. Rageh**, Fatma A.M. Abdel-aal, Almontaser Bellah Ali
 - **Reviewer for the following scientific journals:**
Analytica Chimica Acta, Talanta, RSC advances, Journal of Pharmaceutical and Biomedical Analysis, Microchemical Journal, Critical Reviews in Analytical Chemistry, Talanta Open, IEEE sensors, Journal of Separation Science, Analytical Methods, Biomedical Chromatography, Chromatographia, Journal of Chromatographic Science, Journal of Liquid Chromatography and Related Technologies, Separation Science and Technology, Luminescence, Royal Society of Open Science, Chemical Papers, Current pharmaceutical analysis, Phytochemical Analysis, Bulletin of Pharmaceutical Sciences Assiut University.

- Member of the editorial board of BMC Chemistry (Springer Nature) (IF = 4.6 - 2024)

- REFERENCES

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