

Aziza El Sayed Mostafa Ahmed

Lecturer of Analytical Chemistry, Suez Canal University, Ismailia, Egypt.

Date of Birth: 15 March, 1989, Ismailia., Egypt

Gender: Female

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Education

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| 5/8/2021 | Ph. D. Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt. |
| 30/4/2017 | M. Sc. Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt. |
| 1/5/2011 | B. Sc. Pharmacy,, Excellent, Honor, Faculty of Pharmacy, Suez Canal University Ismailia, Egypt. |

Professional Experience

- Lecturer in Analytical Chemistry Department, Faculty of Pharmacy, Suez Canal University from 28/9/2021 till now.
- Assistant lecturer in Analytical Chemistry Department, Faculty of Pharmacy, Suez Canal University from 2017 – 2021.
- Demonstrator in Analytical Chemistry Department, Faculty of Pharmacy, Suez Canal University from 2012 to 2017.

Membership in institutional committees and programs

- An active member of scientific research committee in Quality Assurance Unit - Faculty of Pharmacy, Suez Canal University, Ismailia- Egypt.
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Research Interest

- Development of new analytical techniques for trace analysis of toxic, hazardous and pharmaceutical residuals in environmental samples, metabolites in biological fluid samples, and active constituents, coloring matter and preservatives in food samples and beverages.
- Analysis of drugs and related materials in different matrices such as dosage forms and drug monitoring in biological fluids as plasma, milk and urine using derivative spectrophotometry, colorimetry, chemometry, HPLC, HPLC MS/ MS and HPTLC-densitometry.
- Analysis of active constituents in herbs and natural products.
- Development and validation of stability-indicating assays and forced degradation of pharmaceuticals using several instrumental techniques.
- Analysis of pharmaceutical compounds via chemical derivatization and flow injection analysis.

Professional Activities

1- Teaching

- Teaching analytical chemistry courses for undergraduate (Pharm D, - clinical Pharm D programs), and postgraduate students, Faculty of Pharmacy, Suez Canal University, Ismailia, Egypt.
- Teaching analytical chemistry courses for undergraduate students, Faculty of Pharmacy, Sinai University, Ismailia, Egypt.

2- Skills

- Operating modern instruments and conducting research on a variety of pharmaceutical compounds in different matrices using different analytical techniques including UV/VIS Spectrophotometry, Spectrofluorimetry, HPLC, HPTLC, GC-MS, LC-MS
- Ability to perform and conduct scientific research and to work in collaboration with others
- Effective communication skills.

Conferences

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1. The 1st International Conference of Pharmaceutical and medical Sciences. Faculty of pharmacy , suez canal university , 1st-2nd April 2017.
 2. 4th Young Researchers Conference, suez canal university , Ismailia, Egypt, 29-30th April 2017.
 3. The 1st Annual Conference for Post Graduate Studies (Pharmaceutical Science...Innovation & Development), Faculty of pharmacy , suez canal university, 3rd December 2018.
 4. The 20nd Annual meeting of preventive Cardiology& Rehabilitation W.G “Cardio-Prevent 2018” 15th-16th Novamber 2018, Tolip Golden plaza hotel, Cairo- Egypt.
 5. The 2^{ndt} International Conference of Faculty of pharmacy , suez canal university "pharmaceuticals used in internal medicine” , Tolip El Forsan resort , Ismailia- Egypt, 8-9th December, 2019.
 6. The 3rd Annual Conference for Post Graduate Studies in Pharmaceutical Science, Faculty of pharmacy , suez canal university, 5th December 2021.

Workshops

1. “How to make HPLC your first choice as a simplest technique for drug monitoring in biological fluids” Workshop. MIU, Egypt, June2014.
 2. “Chemistry and Biology Laboratory Safety” workshop., Faculty of Pharmacy, Suez Canal university, 17th December ,2014.
 3. “Research Ethics and Methodology” Workshop., Faculty of Pharmacy, Suez Canal university, 16th October 2017.
 4. “The Academy on clinical research methodology” Workshop., Nature Research Academies, 16th October 2019.
 5. “Comprehensive Review and Meta analysis” Workshop. Institute of biotechnology, Suez Canal university, 1st - 2nd January, 2020.
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6. “Recent advanced techniques for general analysis and green technology”
Workshop. Faculty of Veterinary medicine, Suez Canal university , 24th
February, 2020.

7. “Businesses leadership” Workshop. Suez Canal university, 8th June 2021.

Training Sessions

- 12-13, February 2013. Ethics of Scientific Research. Faculty and Leadership Development Center (FLDC), Human Research development center, Suez Canal University ., Ministry of Higher Education, Egypt.
 - 10-17, March. Preparing a university teacher (Effective Teaching, Use of technology, Micro-teaching). Faculty and Leadership Development Center (FLDC), Human Research development center, Suez Canal University ., Ministry of Higher Education, Egypt.
 - 10-11, July 2019. Exam systems and calendar. Faculty and Leadership Development Center (FLDC), Human Research development center, Suez Canal University, Ministry of Higher Education, Egypt.
 - 21 July 2019. Web Authorizing using Dream weaver. Faculty and Leadership Development Center (FLDC), Human Research development center, Suez Canal University, Ministry of Higher Education, Egypt.
 - 24-25, July 2019. Research Team Management. Faculty and Leadership Development Center (FLDC), Human Research development center, Suez Canal University, Ministry of Higher Education, Egypt.
 - 28-29, July 2019. Advanced spread sheets. Faculty and Leadership Development Center (FLDC), Human Research development center, Suez Canal University, Ministry of Higher Education, Egypt.
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- 31 July – 1 August, 2019. Advanced power point. Faculty and Leadership Development Center (FLDC), Human Research development center, Suez Canal University, Ministry of Higher Education, Egypt.
 - 13- 14, July 2020. “Using of Global Databases” Faculty and Leadership Development Center (FLDC), Human Research development center, Suez Canal University, Ministry of Higher Education, Egypt.

Awards

- Suez Canal University award for international publications ٢٠١٨.
- Faculty of Pharmacy, Suez Canal University, Certificate of honor for my efforts as a member of the Quality Assurance unit and securing the institutional accreditation from the National Authority for Quality Assurance and Accreditation(NAQAA).

Membership in Professional Organizations

- The Egyptian General Syndicate for Pharmacists-
- The Ismailia Syndicate of Pharmacists since 2011-
- Member of the Accreditation and Quality Assurance Committee, Faculty of Pharmacy, Suez Canal University. 2015-till now-

Publications

<https://scholar.google.com/eg/citations?user=CFqqQdUAAAJ&hl=en>

List of Publications

1. **AE Mostafa**, RA Abdel Salam, GM Hadad, IA Eissa, Simultaneous determination of selected veterinary antibiotics in Nile tilapia (*Oreochromis niloticus*) and water

samples by HPLC/UV and LC-MS/MS, 2017 RSC Advances 2017, 7 (73), 46171-46182.

2. **AE Mostafa**, RA Abdel Salam, GM Hadad, Dalia M Hamed, Alaa El-Gindy, Analysis of some veterinary drugs residuals in broiler chicken, Review article, Trends in experimental animal research, 2021(TEAR)-2107-1002.
3. Mohamed A Abdelshakour, **Aziza E Mostafa**, Ghada M Hadad, Dalia M Hamed, Omayma M El-Darder, Alaa El-Gindy, Roaa M Khinkar, Mohammed M Aldurdunji, Samar S Murshid, Randa A Abdel Salam, Experimental Design Assisted HPLC/UV and LC-MS/MS for Simultaneous Determination of Selected Veterinary Antibiotics in Broiler Chicken. 2022, Separations, 9 (12), 427.
4. Mona H Abo Zaid, Nahed El-Enany, **Aziza E Mostafa**, Ghada M Hadad, Fathalla Belal, Estimation of Two Diuretics Using Fluorescent Nitrogen Doped Carbon Quantum Dots: Application to Spiked Human Plasma and Tablets.2023, Journal of Fluorescence, 1-10.
5. **AE Mostafa**, MS Eissa, A Elsonbaty, K Attala, RA Abdel Salam, GM Hadad, Mohamed A Abdelshakour, Computer-aided design of an eco-friendly imprinted polymer decorated sensors augmented by self-validated ensemble modeling designs for the quantitation of drotaverine ...2023, Journal of AOAC International, qsad049.
6. MH Abo Zaid, N El-Enany, **AE Mostafa**, GM Hadad, F Belal, Use of green fluorescent nano-sensors for the determination of furosemide in biological samples and pharmaceutical preparations, 2023, BMC chemistry 17 (1), 1-11.
7. A Elsonbaty, K Attala, MS Eissa, MA Abdelshakour, **AE Mostafa**, Randa A Abdel Salam, Ghada M Hadad, Current advances in computer-aided design of electrochemical sensors: An analytical review, 2023 Records of Pharmaceutical and Biomedical Sciences 7 (1), 65-96.

Referees

1. Prof. Dr. Randa Ali Abdel Salam, Professor of Pharmaceutical Analytical Chemistry, Head of Pharmaceutical Analytical Chemistry department, Faculty of pharmacy, Suez Canal University.
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2. Prof. Dr. Ghada Mekawy Hadad, Professor of Pharmaceutical Analytical Chemistry,
Vice Dean of Education and Student Affairs, Faculty of pharmacy, Suez Canal University.
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