Curriculum Vitae

-Personal information:

Full Name:

- **Sherif Mohammed Eid Hassan Awadalla.**

Nationality:

- **Egyptian.**

Place & Date of birth:

- **Cairo (20/8/1986)**

Address:

- **Faculty of Pharmacy, October 6 University**

Languages:

- **Arabic and English with TOEFL ITP score 523.**

  IELTS exam overall score 6 "Listening: 6, Reading: 6.5, Writing: 5.5, Speaking: 5".

Mobile number:

- 002 01111609539 / 00201551876621

E-Mails:

- Sheriefmohammed@o6u.edu.eg
- sherief055@gmail.com
- sherief055@icloud.com

-Education:

- Faculty of Pharmacy, Cairo University, Kasr El-Aini, Cairo, Egypt
  [Doctor of philosophy in pharmaceutical sciences, Analytical chemistry] dated 7/8/2018. Dissertation title: Analytical study of some ß2 agonists and/or Cholinesterase inhibitor drugs.
- [Faculty of pharmacy, *Zagazig University*, Zagazig city, Sharkia, Egypt].
  [*Master of Pharmaceutical analytical chemistry*] at *23/12/2014*. [*Thesis*: Analysis of some pharmaceutical respiratory tract acting drugs using different analytical techniques].
- [*Misr University* for Science and Technology, 6 October City, Giza, Egypt]
  [*American Board of Clinical Pharmacotherapy*] one year course on *2010*. [Excellent].
- [Faculty of pharmacy, *October 6 University*, 6 October City, Giza, Egypt].
  [*Bachelor of Pharmaceutical Science*] at *29/06/2008*.
  [Excellent with degree of honor].

-Professional occupations:

2018 - Present: Lecturer of pharmaceutical analytical chemistry, Analytical Chemistry Dep., Faculty of Pharmacy, October 6 University.

2014 - 2018: Teaching Assistant, Analytical Chemistry Dep., Faculty of Pharmacy, October 6 University.

2008 - 2014: Graduate Teaching Assistant, Analytical Chemistry Dep., Faculty of Pharmacy, October 6 University.

-Experiences:

-International Conferences: -

"Conference paper).

- *Speaker* on World Chemistry Conference and Exhibition held on *September 4-6*, *2017* *Rome*, *Italy* on a research titled "Attenuated Total Reflectance Fourier Transformation Infrared Spectroscopy Fingerprinted Online monitoring of the kinetics of Circulating Butyrylcholinesterase enzyme during metabolism of bambuterol".

-Local Conferences: -

- A Poster on the 3rd Scientific Conference "Good Pharmacy Practice" from *April 25th and 26th*, *2012* held on Faculty of Pharmacy, Cairo University, *Egypt*.

-Reviewing experience: -

- Invited as a reviewer in two international journals published on ELSEVIER from 2015 until now: -
  *TALANTA Journal {Impact Factor: 4.162}.
  *Spectrochimica Acta Journal {Impact Factor: 4.162}.

-Teaching experience: -

- Teaching and preparation of practical courses of: - General Chemistry, Pharmaceutical Analytical Chemistry Ⅰ, Ⅱ, Ⅲ and Instrumental Analysis Quality Control.
- Organizer& lecturer in the DRUG DESIGN and DEMO Pharmacy training units in the faculty of pharmacy October 6 university.

- Experience on different software: -

- The Unscrambler X10.4 for chemometrics.
- ACD/Labs version 12 software bundle.
- IRsolution software version 1.6 for FTIR.
- Matlab R2015a.
- Design Expert 10.
- Shimadzu LCsolution for HPLC.
- UVprope 2.42 for Spectrophotometer.
- Microsoft office software bundle.

- Activities: -

- Attended the "German Science Day" organized by DAAD Egypt and COSIMENA.

Publication list

2023

- Attia, KA., El-Olemy, A., Serag, A., Abbas, A. E., **Eid, SM**. *A sustainable data processing approach using UV-spectroscopy as a powerful spectral resolution tool for simultaneously estimating newly approved eye solution in the presence of extremely carcinogenic impurity aided with various greenness and whiteness assessment perspectives: Application to aqueous humor.* **Journal of chemical research.** Volume 47, 5 **(2023),** 95111.
https://doi.org/10.1177/17475198231195811

- Attia, KA., El-Olemy, A., Serag, A., Abbas, A. E., **Eid, SM**. *Environmentally sustainable DRS-FTIR probe assisted by chemometric tools for quality control analysis of cinnarizine and piracetam having diverged concentration ranges: Validation, greenness, and whiteness studies.* **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy.** volume 302, **(2023),** 123161.
https://doi.org/10.1016/j.saa.2023.123161

- **Eid SM**, Attia K, El-Olemy A, Abbas A, Abdelshafi N. *An innovative nanoparticle-modified carbon paste sensor for ultrasensitive detection of lignocaine and its extremely carcinogenic metabolite residues in bovine food samples: Application of NEMI, ESA, AGREE, ComplexGAPI, and RGB12 algorithms.* **Food Chemistry journal.** Volume 426, (**2023**), 136579.
https://doi.org/10.1016/j.foodchem.2023.136579

- Attia KA, El-Olemy A, **Eid SM**, Abbas AE., *A green-and-white integrative analytical strategy combining univariate and chemometric techniques for quantifying recently approved multi-drug eye solution and potentially cancer-causing impurities: Application to the aqueous humour*. **The journal of AOAC international, (2023);** qsad087
https://doi.org/10.1093/jaoacint/qsad087

2022

- **Eid SM**, Farag MA, Bawazeer S, *Underivatized Amino Acids Chromatographic Separation: Optimized Conditions for HPLC-UV Simultaneous Quantification of Isoleucine, Leucine, Lysine, Threonine, Histidine, Valine, Methionine, Phenylalanine, Tryptophan and Tyrosine in Dietary Supplements*. **ACS Omega journal** volume 7, 35, **(2022),** 31106–31114.
https://doi.org/10.1021/acsomega.2c03228

- **Eid SM**, Shamy SE, Farag MA, *Identification of milk quality and adulteration by Surface-enhanced infrared absorption spectroscopy coupled to artificial neural networks using citrate-capped silver nanoislands*. **Microchimica Acta journal,** volume 189 **(2022);** 301.
https://doi.org/10.1007/s00604-022-05393-4

- Attia K, Abdel-Raoof A, Serag A, **Eid SM**, *Abbas A. A new chemometrically assisted UV spectrophotometric method for simultaneous determination of tamsulosin and dutasteride in their pharmaceutical mixture*. **The journal of AOAC international, (2022);** qsac080.
https://doi.org/10.1093/jaoacint/qsac080

- Attia K, Abdel-Raoof A, Serag A, **Eid SM**, Abbas A. *Innovative electrochemical electrode modified with Al_2O_3 nanoparticles decorated MWCNTs for ultra-trace determination of Tamsulosin and Solifenacin in human plasma and urine samples and their pharmaceutical dosage form*. **RSC Advances journal,** volume 12**, (2022)**; 17536-17549**.**
https://doi.org/10.1039/D2RA01962K

2021

- Abd El-Halim SM, Mamdouh MA, **Eid SM**, Ibrahim BM, Labib DA, Soliman SM. *The Potential Synergistic Activity of Zolmitriptan Combined in New Self-Nanoemulsifying Drug Delivery Systems: ATR-FTIR Real-Time Fast Dissolution Monitoring and Pharmacodynamic Assessment*. **International Journal of Nanomedicine**, Volume 16, **(2021)**; 6395-6412.
https://doi.org/10.2147/IJN.S325697

- **Eid SM,** Hassan SA, Nashat NW, Elghobashy MR, Abbas SS, Moustafa AA. *Optimization of localized surface plasmon resonance hot spots in surface enhanced infrared absorption spectroscopy aluminum substrate as an optical sensor coupled to chemometric tools for the purity assay of quinary mixtures*. **Microchimica Acta journal,** volume 188, (**2021**), 195.
https://doi.org/10.1007/s00604-021-04845-7

- Kelani KM, Badran OM, Rezk MR, Elghobashy MR, **Eid SM**. *Widening the applications of the Just-Dip-It approach: a solid contact screen-printed ion-selective electrode for the real-time assessment of pharmaceutical dissolution testing in comparison to off-line HPLC analysis*. **RSC Advances journal,** volume 11, (**2021**), 13366-13375.
https://doi.org/10.1039/D1RA00040C

- Abbas AE, **Eid SM**, Serag A, Attia KA. *A validated TLC-densitometry for the simultaneous determination tamsulosin and dutasteride in their combined pharmaceutical formulation*. **Al-Azhar Journal of Pharmaceutical Sciences,** volume 64.2, (**2021**), 93-108.
https://dx.doi.org/10.21608/ajps.2021.187763

2020

- Kelani KM, Rezk MR, Monir HH, Elsherbiny MS, **Eid SM**. *FTIR combined with chemometric tools (Fingerprinting spectroscopy) in comparison to HPLC; Which strategy offers more opportunities as a green analytical chemistry technique for the pharmaceutical analysis*. **Analytical methods**, volume 12, (**2020**), 5893-5907.
https://doi.org/10.1039/D0AY01749C

- **Eid SM**. Indirect Nano-sensing Approach: *A universal potentiometric silver ion selective sensor for inline quantitative profiling of the kinetics and thermodynamics of formation and decay of silver nanoparticles*. **TALANTA journal**, volume 218C, (**2020**), 121135.,
https://doi.org/10.1016/j.talanta.2020.121135

- **Eid SM**, Kelani KM, Badran OM, Rezk MR, Elghobashy MR. *Surface enhanced infrared absorption spectroscopy (SEIRA) as a green analytical chemistry approach: Coating of recycled aluminum TLC sheets with citrate capped silver nanoparticles for chemometric quantitative analysis of ternary mixtures as a green alternative to the traditional methods.* **Analytica Chimica Acta journal**, volume 1117, (**2020**), 60-73.,
https://doi.org/10.1016/j.aca.2020.04.040

- Algethami FK, **Eid SM**, Kelani KM, Elghobashy MR, El-Rahman MK. *Chemical Fingerprinting and quantitative monitoring of the doping drugs bambuterol and terbutaline in human urine samples from ATR-FTIR data using PLSR chemometric tool.* **RSC Advances journal,** volume 10, (**2020**), 7146.
https://doi.org/10.1039/C9RA10033D

- **Eid SM**, Soliman SS, Elghobashy MR, Abdalla OM. *ATR-FTIR coupled with chemometrics for quantification of vildagliptin and metformin in pharmaceutical combinations having diverged concentration ranges*. **Vibrational Spectroscopy**, Volume 106, (**2020**), 102995.

https://doi.org/10.1016/j.vibspec.2019.102995

2019

- El-Rahman MK, **Eid SM**, Elghobashy MR, Kelani KM. *Inline potentiometric monitoring of Butyrylcholinesterase activity based on metabolism of bambuterol at the point of care*. "**Sensors and Actuators B: Chemical** journal, Volume 285, (**2019**), 216-223".

https://doi.org/10.1016/j.snb.2019.01.055

- El Haddad, A.E., AL-Shareef, W. and **Eid SM**. *Validated HPLC Determination of the Potential Anti-Helicobacter pylori, Lepidine, in Lepidium sativum Seeds Assessed by Molecular Docking Study*. **Journal of Advanced Pharmacy Research**, (**2019**) 3(3), 143-149.

https://doi.org/10.21608/APRH.2019.14036.1085

2018

- **Eid SM**, El-Rahman MK, Elghobashy MR, Kelani KM. *Attenuated Total Reflectance Fourier Transformation Infrared Spectroscopy Fingerprinted Online monitoring of the kinetics of Circulating Butyrylcholinesterase enzyme during metabolism of bambuterol*. "**Analytica Chimica Acta journal**, Volume 1005, (**2018**), 70-80".

https://doi.org/10.1016/j.aca.2017.12.011

2016

- Shalaby AA, Kelani KM, Hassan WE, **Eid SM**, *Application of membrane selective electrodes for stability indicating determination of bambuterol HCL in presence of its metabolite terbutaline in its pharmaceutical dosage form*. "**Analytical Chemistry: An Indian Journal**" Volume 16, (**2016**), 80-89. Website

2013

- Hassan WE, **Eid SM**, Kelani KM, Shalaby AA. *Spectrophotometric determination and thermodynamic studies of charge transfer complexes of Bambuterol HCl with DDQ and TCNQ*. "**Drug invention today journal**, Volume 5, (**2013**), 2-7".

https://doi.org/10.1016/j.dit.2013.03.004.