CURRICULAM VITE

Prof. Dr. AYMAN ABOU EL-FETOUH GOUDA

Professor of Analytical Chemistry

Vice Dean of the Faculty of Science, Zagazig University for Community Service and Environmental Development from (15 / 6 / 2023) till now

1. PERSONAL DATA

Name	:	**Ayman Abou El Fetouh Gouda Sallem Ghoneim**
Date of Birth	:	Jun.29, 1977
Place of Birth	:	Egypt
Nationality	:	Egyptian
Contact Address	:	Chemistry Department- Faculty of Science- Zagazig University
Tel (Mobile)	:	00201030030205; 00201030040240
Email	:	aymangouda77@gmail.com; aymgouda77@gmail.com; aasallem@zu.edu.eg

QUALIFICATIONS

Field of Specialization:
Major: Chemical Sciences
Minor: Analytical Chemistry, Green Analytical Chemistry, Environmental Green Analytical Chemistry, Pharmaceutical Analysis, Water Analysis and Treatment.

Bachelor of Science (2000) Zagazig University, Zagazig, Egypt
- ► **Major: Chemistry.**
- ► **Rank: First on graduation class.**
- ► **Grade: Very Good Degree with Honor**
- ► **GPA: 82.65 % (3.31 on 4.0 scales)**

Master of Science in Inorganic and Physical Chemistry (2005) Zagazig University, Faculty of Science
Thesis Title:
ANALYTICAL STUDIES FOR DETERMINATION OF SOME PHARMACEUTICAL AND BIOCHEMICAL COMPOUNDS

PhD. of Science in Analytical Chemistry (2007) Zagazig University, Faculty of Science
Thesis Title:
UTILITY OF VARIOUS ANALYTICAL TECHNIQUES FOR MICRODETERMINATION OF SOME RECENT DRUGS IN PURE, DOSAGE FORMS AND BIOLOGICAL SAMPLES

PROFESSIONAL EXPERIENCE

- ☒ ***January 2018– Present***
  Prof. of Analytical Chemistry– Chemistry Dept., Faculty of Science, Zagazig University.
- ☒ ***October 2012– January 2018***
  Associate Prof. of Analytical Chemistry– Chemistry Dept., Faculty of Science, Zagazig University
- ☒ ***October 2007– September 2012***
  Lecturer of Analytical Chemistry– Chemistry Dept., Faculty of Science, Zagazig University
- ☒ ***May 2005- September 2007***
  Assistant Lecturer – Chemistry Dept., Faculty of Science, Zagazig University
- ☒ ***November 2000- February 2005***
  Instructor, Chemistry Dept., Faculty of Science, Zagazig University, Egypt

CAREER DETAILS

Total years of experiences: **23 years**

- **Academic Positions Held:**
  - ✓ Prof. of Analytical Chemistry– Chemistry Department, Faculty of Science, Zagazig University, Zagazig, Egypt.
  - ✓ Assistant Professor, Health Sciences Department, Faculty of Community, Umm Al-Qura University, Saudi Arabia, (09/2011- 09/2014).
  - ✓ Professor, Occupational Health Department, Faculty of Public Health and Health Informatics, Umm Al-Qura University, Saudi Arabia. (09/2014- 31/1/2021).
  - ✓ Visiting Professor, Faculty of Pharmacy, Sana'a University, Yemen (2009-2010).
- **Other Responsibilities with current employment:**
  - ✓ **Vice Dean of the Faculty of Science, Zagazig University** for Community Service and Environmental Development from (15/6/2023) till now.
  - ✓ Member of Faculty of Science Council, Zagazig University2022- till now.
  - ✓ **Vice Dean of Scientific Research of Faculty of Public Health and Health Informatics, Umm Al-Qura University, Makkah, Saudi Arabia. (2017-2020).**
  - ✓ Member of Faculty of Public Health and Health Informatics Council.
  - ✓ Member of Laboratories Committee.
  - ✓ Member of Scientific Research Ethics Committee, in the faculties of branches and scientific, engineering and health colleges, Umm Al-Qura University, Makkah, Saudi Arabia.
  - ✓ Member of The Permanent Committee for Scholarships and Training, Umm Al-Qura University, Makkah, Saudi Arabia. (2019-2020).

- **Professional/Industrial Positions Held**

- Consultant of President of Zagazig University for Scientific Club for Students, Egypt, (10/2008-9/2011)

- **Involvement with other Institution as visiting staff. (If any including current/ previous, you may put your hospital duty here)**

✓ **Consultant**, Center of Toxicology in Makkah (Visiting), Forensic Laboratory and Water Laboratory, Ministry of Health, Saudi Arabia, (10/2014- 1/2021)

✓ ***Prof. Ayman A. Gouda*** is one of the scientists included in **"WORLD RANKING OF TOP 2% SCIENTISTS"** according to the survey given by **Stanford University 2020, 2021 and 2022**".

✓ ***Prof. Ayman A. Gouda*** has published more than ***160 papers*** in reputed journals and has been serving as a reviewer of many international journals (***more than 40 journal***).

✓

Citations:

Citation	Google Scholar	Scopus	Clarivate Analytics	Research gate
Total citation	**2118**	**1467**	**1224**	**1556**
H-index	**25**	**21**	**20**	**23**
No of papers	**157**	**116**	**93**	**144**

** Date: 6/3/2024*

Homepages:

Scopus: ***https://0810508he-1106-y-https-www-scopus-com.mplbci.ekb.eg/authid/detail.uri?authorId=16174717400***
Web of Science: ***https://0810o08k0-1106-y-https-www-webofscience-com.mplbci.ekb.eg/wos/author/record/925692***
Research gate: ***https://www.researchgate.net/profile/Ayman-Gouda-2***
Google Scholar: ***https://scholar.google.com/citations?hl=ar&user=TPTjbBoAAAAJ&view_op=list_works&authuser=1&sortby=pubdate***

Editorial Board

 # Member of The Editorial board of Austin Food Sciences
 # Member of The Editorial board of Science Journal of Analytical Chemistry

PARTICIPATION IN INTERNATION AND NATIONAL PROJECTS:	
INTERNATION:	✓ **Co-PI of the project accepted from (Center of Excellence for Water, AUC) (2023)** titled **:** **" Reducing pollution intensity in Egyptian drains using innovative techniques of electric coagulation using direct current by solar cell".** ✓ **Member in the Research team of the project entitled** "**Sustainable and equitable groundwater development under constraints of ecosystem conservation and saltwater intrusion prevention in coastal areas" (2022),** to be funded under the collaborative programme DUPC3 between the Ministry of Foreign Affairs of the Netherlands and IHE Delft Institute for Water Education. ✓ **Member in the Research team of FP7 projects in Egypt** (**2008**) titled **: "Global Climatic Induced Changes and their Impacts on Mediterranean Basin"** *** Member of the Research teams in the following projects presented to Umm Al Qura University, Saudi Arabia Titled:** ✓ Detection and Determination of pesticides residues in drinking waters and Zamzam in Makkah ✓ Study different concentrations of bromate anions using high-precision electrical sensors during Hajj season for the year 1434. ✓ Modern Techniques for Detection and Determination of Pesticides Residues in Foods. (1433) ✓ Utilization of green chemistry techniques for preconcentration and determination of trace quantities of toxic metals in environmental and biological samples. (1435) ✓ A new nanotechnology technique applications using carbon nanotubes for the determination of some heavy metals in water, food and biological

	samples (1436)
NATIONAL:	*** Member of the Research teams in the following projects presented to Zagazig University Titled:** ✓ "Assess the quantity and quality of groundwater in the eastern province for use in humanitarian purposes". (2008)"; ✓ "Equation for measurement of Climate Changes and its effect of East Delta" (2009); ✓ ” Application of Green Chemistry Techniques for Heavy Metal Separation, Preconcentration and Determination in Environmental and Biological Samples” (2010) ✓ High performance liquid chromatographic separation of" pharmaceuticals applying new stationary phases. (2010) ✓ "Safety and health aspects at the educational buildings of faculty of Medicine-Zagazig University: A risk management approach" (2008)

The prizes

[A] The prize for the best Ph.D. in Basic Sciences; Zagazig University in 2007.
[B] Zagazig University Award for Excellence in scientific publication from (2007-2022)

Areas of Interest
- Analytical Chemistry - Environmental Analysis. - Water Analysis. - Food analysis. - Pharmaceutical analysis - Green analytical chemistry. - Spectrophotometric Analysis. - Atomic Absorption Spectrometric Analysis**.** - Separation/Preconcentration Techniques including Solid Phase Extraction**,** Cloud point extraction, Coprecipitation, Membrane filtration, Dispersive liquid-liquid microextraction. - Preparation of new adsorbent materials for metal removal. - Inorganic analysis of natural water samples. - Chromatography

Supervisor on:

- **Ph.D. thesis (18)**
- **Master thesis (30)**

SCIENTIFIC SKILLS:	
	· Experience in the handling the following lab facilities: **- HPLC** **- UV-Visible Spectrophotomer** **- Spectroflourimeter** **- Atomic Absorption Spectroscopy** **- pH meter** **- Gas Chromatography** **- Data analysis using standard scientific soft-wares including Ms word-Excell- Origin-SPSS- Power Point.**
COURSES TAUGHT:	
	@ Analytical Chemistry **@ General Chemistry** **@ Qualitative Analytical Chemistry** **@ Quantitative Analytical Chemistry** **@ Chromatography** **@ Bioanalytical Chemistry** **@ Instrumental Analysis (UV-Vissible Spectroscopy, Atomic Absorption Spectroscopy, Conductometry, HPLC and Gas chromatography)** **@ Practical Physical Chemistry as (Electrochemistry & Surface Chemistry & Kinetics & Phase Rule & Instrumental Analysis)** **@ Alkalimetery and Acidimetery** **@ Complexiметry** **@ Gravimetric Analysis** **@ Ore Analysis** **@ Spectroscopy**

SCIENTIFIC ACTIVITIES

[A] The scientific output of the applicant is covered by *more than 160 publications*, published in well reputed, specialized international journals, or presented before regional or international conferences.

[B] Reviewer in some international journals as:

1. Talanta
2. Drug Testing and Analysis
3. Journal of Molecular Structure
4. Luminescence: The Journal of Biological & Chemical Luminescence
5. Analytical Letters
6. Arabian Journal of Chemistry
7. Food Chemistry
8. Microchemical Journal
9. Journal Chromatography A.
10. Journal of Saudi Chemical Society
11. The Arabian Journal for Science and Engineering
12. Journal of Taibah University for Science
13. International Journal of Environmental Analytical Chemistry
14. Journal of AOAC International
15. Bulletin of the Chemical Society of Ethiopia
16. Journal of Liquid Chromatography & related Technologies

17. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
18. Archiv der Pharmazie
19. Journal of Chemical Industry & Chemical Engineering Quaterly
20. Journal of the Association of Arab Universities for basic and Applied Sciences
21. Central European Journal of Chemistry
22. Iranian Journal of Chemical Society
23. Chemical Papers.
24. Scientia Pharmaceutica
25. African Journal of Pharmacy and Pharmacology
26. Current Pharmaceutical Analysis
27. British Journal of Applied Science
28. Medicinal Chemistry: Current Research
29. Journal of Research in Environmental Science and Toxicology
30. International Research Journal of Pharmacy and Pharmacology

CONFERENCES ATTENDED

1. IBN SINA Conference on Heterocyclic Chemistry and It's Applications (ISACHC 2018), Hurghada, Egypt (30 March-2 April), 2018.
2. International Conference on Recent Trends in
3. Chemistry (ICRTC 2017) in Hurghada – Egypt, 25 – 28 April 2017.
4. 1st International Conference on Applied Chemistry (ICAC 2015), Faculty of Science, King Abdul Azziz University, Jedda, Saudi Arabia.
5. Fifth Saudi Science Conference, "a new vision of the role of basic science in development," 16th–18th April (2012), Umm Al-Qura University, Makkah, Saudi Arabia.
6. Seventh Scientific Environmental Conference, " Future Mission for The Environmental Developments, Faculty of Science, Zagazig University, 5- June (2012).
7. The 8th International Symposium on New Trends in Chemistry, 3-7 January 2009, Cairo University, Giza, Egypt.
8. The Knowledge Based Industries &Nanotechnology Conference, Doha – Qatar, February 11^{th} – 12^{th}, 2008.
9. 1st Scientific Conference of Faculty of Pharmacy-Cairo University March 29, 2008, Egypt.
10. International Conference on Chemistry (Chem. 05),"Green and Sustainable Chemistry for Developing Countries", 3-6 March 2008, Cairo University, Egypt.
11. The Annual Scientific International Conference on " A revolution in modern Biochemistry and Molecular Biology", Guest House Ain Shams University, 22-23 April 2008.
12. The 18^{th} International conference on: Environmental Protection is A must, Sheraton El-Montazah Hotel, Alexandria, Egypt, 10-12 May 2008.
13. The first international conference for Applications of Biotechnology, 18-19 October 2008, MSA, Egypt.
14. "National Conference in Chemistry", Makkah, 15-16 April (2007), Kingdom Saudian Arabian.
15. Singapore International Chemistry Conference 5 (SICC5), 16-19 December (2007).
16. "Egyptian Society of Analytical Chemistry, (Seventh International Symposium on New Trends in Analytical Chemistry " (Analytical Chemistry for a Better Life), 21-24 January (2006), Cairo University, Egypt.
17. Biannual Conference on Chemistry, "Chem. 04"; 5-8 March, (2006), Cairo University, Egypt.
18. The Fourth Conference on "Scientific Research Outlook & Technology Development in the Arab World", 11-14 December (2006), Syrian Arab republic.

List of Total Publications

2024

1. Mohannad M Garoub, Ragaa El Sheikh, Sara G Mohamed, Moataz S Mahmoud, Ahmed F Abdel Allem, Ahmed El Sayed, Ahmed A Ghazy, Nessma M Gomaa, Sameh Abdalla, Osama MA Salem, ***Ayman A Gouda,*** Validated spectrophotometric approach for the estimation of an antiepileptic drug: retigabine in pure form and pharmaceutical formulations utilizing N-Bromosuccinimide as an oxidant, Talanta Open, 9, 2024, 100294.
2. Alaa E Ali, Alaa S Amin, ***Ayman A Gouda,*** Ragab Y Sharaf, Alaa M Elkhashab, Gehan S Elasala, Validated Spectrophotometric Methods for Determination of Selegiline HCl as an Irreversible Inhibitor of Monoamine Oxidase in Pure Form and Pharmaceutical Formulations, TWIST, 19(1), (2024) 176-186.
3. ***Ayman A Gouda***, Ragaa Elsheek Shohaib, Mohannad M Garoub, Eman Fawzy, Moataz S Mahmoud, Ahmed F Abdel Allem, Ahmed El Sayed, Nesma M Jumaa, Alyaa S Ibrahim, Development of Cloud Point Extraction for Preconcentration and Spectrophotometric Determination of Entecavir as Antiviral Drug in Pharmaceutical Formulations and Application to Content Uniformity Testing, Egyptian Journal of Chemistry 67 (2), 135-144.
4. Marwa H Hasan, ***Ayman A Gouda***, Abdalla EA Hassan, Shaimaa G Elsayed, Heba Salah Mousa, Implementation of analytical quality by design concepts for the optimization of quantitative 1H nuclear magnetic resonance (1H-qNMR) method for quantitation of novel anti-covid drugs (molnupiravir and favipiravir) in their pharmaceutical dosage forms, Microchemical Journal, 196, 109582.
5. Heba Mousa, Soad S Abd El-Hay, Ragaa El Sheikh, ***Ayman A Gouda***, Samar Abd El-Ghaffar, Mohamed Abd El-Aal, Development of environmentally friendly catalyst Ag-ZnO@cellulose acetate derived from discarded cigarette butts for reduction of organic dyes and its antibacterial applications, International Journal of Biological Macromolecules, 258, Part 1, 2024, 128890.
6. ***Ayman A Gouda***, Moataz S Mahmoud, Ghada M Abdel Fattah, Alyaa S Ibrahim, Ahmed F Abdel Allem, Nessma M Jumaa, Ahmed El Sayed, Utilization of charge transfer complexation reaction for the spectrophotometric

determination of acyclovir as antiviral drug in pharmaceutical formulations, Bulletin of Faculty of Science, Zagazig University, 2023(4), 2024, 55-65.

2023

7. Marmar Mabrouk, Ahmed H Moustafa, Ayman A Gouda, Hager E Mohamed, Ali M Alshehri, Mohannad M Garoub, Amal H Al-Bagawi, Mona A El-Attar, Utilizing a newly developed carrier element free coprecipitation method for preconcentration and quantification of Co(II), Cu(II), Ni(II), and Zn(II) in environmental samples Talanta Open, 8, December 2023, 100275.
8. Ragaa El Sheikh, Enas M El Sheikh, Mahmoud S Khalafalla, Lamees I Mahfouz, Marwa M El-Gabry, ***Ayman A Gouda***, Simultaneous preconcentration and determination of zirconium in environmental samples using ultrasound-assisted ionic liquid based dispersive liquid-liquid microextraction combined with spectrophotometry, International Journal of Environmental Analytical Chemistry, 103 (16) 4225-4238.
9. ***Ayman A Gouda***, Ragaa El Sheikh, Abdalla M Khedr, Sherehan Abo Al Ezz, Walaa Gamil, Marwa M El-Gabry, Eman H Youssef, Ultrasound-assisted dispersive microsolid-phase extraction approach for preconcentration of trace cobalt and nickel and sensitive determination in water, food and tobacco samples by flame atomic absorption spectrometry, International Journal of Environmental Analytical Chemistry 103(16),(2023) 4515-4529.
10. ***Ayman A Gouda***, Ragaa El Sheikh, Ahmed O. Youssef, Nancy Gouda, Walaa Gamil, Hameeda A. Khadrajy, Preconcentration-separation of Cd(II), Co(II), Cu(II), Ni(II), and Pb(II) in environmental samples on cellulose nitrate membrane filter prior to their flame atomic absorption spectroscopy determinations, International Journal of Environmental Analytical Chemistry, 2023, 103(2), pp. 364–377.
11. ***Ayman A Gouda***, Ragaa El Sheikh, Eman Fawzy, Basma Mohamed, Utilization of ion-pair complexation reaction for the spectrophotometric determination of milnacipran HCl as anti-depression drug in pharmaceutical formulations, Bulletin of Faculty of Science, Zagazig University, 2023, 2022(4), 88-98. **Article** 8, DOI: 10.21608/BFSZU.2022.155351.1163
12. Amal H. Al-Bagawi, Samya Sh. Alenezi, Ragaa El Sheikh, Ghada Abdel Fattah, ***Ayman A. Gouda,*** Development of an efficient dispersive liquid-liquid microextraction approach combined with spectrophotometry for

determination of antiviral drug, valacyclovir HCl in pharmaceutical formulations, Bull. Chem. Soc. Ethiop., 37(3) (2023) 579-592.

13. AH Moustafa, HA El-Sayed, AS Amin, A El-Haggar, ***Ayman A. Gouda,*** Surfactant assisted spectrophotometric determination of copper (II), and mercury (II) in real samples using 2-amino-4-((4-nitrophenyl) diazenyl) pyridine-3-ol, Bulletin of Faculty of Science, Zagazig University 2023 (3), 11-26.
14. Rawan E. Elbshawry, ***Ayman A. Gouda***, Ragaa El Sheikh, Mohammed S. Alqahtani, Mohamed Y. Hanfi, Bahig M. Atia, Ahmed K. Sakr, Mohamed A. Gado, Recovery of W(VI) from Wolframite Ore Using New Synthetic Schiff Base Derivative, Int. J. Mol. Sci. 2023, 24, 7423.
15. Ahmed H Moustafa, Hassan A El Sayed, Alaa S Amin, Asmaa M El Haggar, ***Ayman A Gouda,*** Efficiency Enhancement of the Spectrophotometric Estimation of Zinc in Water, Food, Tobacco and Pharmaceutical Preparations Samples Utilizing Cloud Point Extraction, Egyptian Journal of Chemistry, 66(7) (2023) 553-562.
16. Amal H Al-Bagawi, Ragaa El Sheikh, Osama MA Salem, Ghada M Abdel Fattah, Mohannad M Garoub, ***Ayman A Gouda***, Ultrasound-assisted dispersive liquid-liquid microextraction approach for preconcentration of acyclovir as antiviral drug in dosage forms prior to spectrophotometric determination, Bulletin of the Chemical Society of Ethiopia, 37(5) (2023) 1081-1092.
17. Soad S Abd El-Hay, Ragaa El Sheikh, Mohamed Ali, ***Ayman A Gouda***, Heba M El-Sayed, An eco-friendly HPLC method for concurrent determination of carbocisteine, guaifenesin, and oxomemazine in Their Combined Formulations, Talanta Open, (2023) 100233.
18. Mohamed Fathi, Esam A Gomaa, Shereen E Salem, Hamada M Killa, ***Ayman A Gouda,*** Abdel Hamid Farouk, Parameters for the conductometric association for lump and nano $CoSO_4$. $7H_2O$ in the presence and absence of fuchsin acid in water at different temperature, Bulletin of the Chemical Society of Ethiopia, 37(3) (2023) 789-804.
19. ***Ayman A Gouda,*** Ragaa El Sheikh, Soad S Abdel Hay, Heba El Sayed, Mohamedd Ali, Determination of glycerin in pharmaceutical formulations by liquid chromatography, Bulletin of Faculty of Science, Zagazig University, 2023 (1) (2023) 153-163.

20. Mohannad M Garoub, ***Ayman A Gouda***, Ragaa ElSheikh, Eman Fawzy, Walid E ElToukhi, Utilization of cloud point extraction for enhancement the efficiency of spectrophotometric estimation of milnacipran HCl as anti-depression drug in dosage forms and application to its tablets uniformity testing, Journal of Umm Al-Qura University for Applied Sciences, 9(1) (2023) 29-39.

2022

21. Mahmoud M Ali, ***Ayman A Gouda***, Khaled F Alshammari, Mubark Alshareef, Ahmed Alharbi, Aisha Nawaf Al Balawi, Mohamed Ali, Design, spectroscopic, structural characterization, and biological studies for new complexes via charge transfer interaction of ciprofloxacin drug with π acceptors, Journal of Molecular Liquids 368 (2022) 120753. (***Q2, web of science***)
22. Ene, A.; Zakaly, H.M.H.; Salem, A.R.; ***Gouda, A.A.;*** Althumayri, K.; Alshammari, K.F.; Awad, H.A.; Issa, S.A.M.; Alluhaybi, A.A.; Zaki, S.A.; Ibrahim, H.A.; Gado, M.A.; El-Sheikh, E.M.; Atia, B.M. A New Partially Phosphorylated Polyvinyl Phosphate-PPVP Composite: Synthesis and Its Potentiality for Zr (IV) Extraction from an Acidic Medium. *Separations*, *9* (2022) 382. https://doi.org/10.3390/separations9110382 (***Q2, web of science***)
23. Alluhaybi AA, Alharbi A, Hameed AM, ***Gouda AA***, Hassen FS, El-Gendy HS, Atia BM, Salem AR, Gado MA, Ene A, Awad HA, Zakaly HMH. A Novel Triazole Schiff Base Derivatives for Remediation of Chromium Contamination from Tannery Waste Water. *Molecules*. 27(16), (2022) 5087. https://doi.org/10.3390/molecules27165087 (***Q2, web of science***)
24. Weshahy AR, Sakr AK, ***Gouda AA***, Atia BM, Somaily HH, Hanfi MY, Sayyed MI, El Sheikh R, El-Sheikh EM, Radwan HA, Cheira MF, Gado MA. Selective Recovery of Cadmium, Cobalt, and Nickel from Spent Ni–Cd Batteries Using Adogen® 464 and Mesoporous Silica Derivatives. *International Journal of Molecular Sciences*. 23(15) (2022) 8677. https://doi.org/10.3390/ijms23158677 (***Q2, web of science***)
25. Weshahy AR, ***Gouda AA***, Atia BM, Sakr AK, Al-Otaibi JS, Almuqrin A, Hanfi MY, Sayyed MI, El Sheikh R, Radwan HA, Hassen FS, Gado MA. Efficient Recovery of Rare Earth Elements and Zinc from Spent Ni–Metal Hydride

Batteries: Statistical Studies. *Nanomaterials*. 12(13) (2022) 2305. https://doi.org/10.3390/nano12132305 (***Q2, web of science***)

26. Soad S. Abd El-Hay, Ragaa El Sheikh, ***Ayman A. Gouda***, Mohamed Ali, Heba M. El-Sayed, Simultaneous estimation of pantoprazole and piroxicam by HPLC: Response surface methodology approach, Microchemical Journal, 2022, 107247. https://doi.org/10.1016/j.microc.2022.107247 (***Q1, web of science***)
27. Abdalla M. Khedr, ***Ayman A. Gouda***, Hoda A. El Ghamry, Nano-synthesis approach, elaborated spectral, biological activity and in silico assessment of novel nano-metal complexes based on sulfamerazine azo dye, Journal of Molecular Liquids 352 (2022) 118737.

https://doi.org/10.1016/j.molliq.2022.118737 (***Q2, web of science***)

28. Hamdy A Abdel-Gawwad, Khalil A Khalil, ***A.A. Gouda,*** Abdelrahman H Elkhoresy, Mohammed A Arif, Understanding the effect of hydrozincite and witherite nanominerals on the performance and phase composition of alkali-activated slag, Journal of Building Engineering, 48, (2022) 103963. https://doi.org/10.1016/j.jobe.2021.103963 (***Q1, web of science***)
29. Alharbi, A., Gouda, A.A., Atia, B.M., Gado M.A., Alluhaybi, A.A., Alkabli, J., The Role of Modified Chelating Graphene Oxide for Vanadium Separation from Its Bearing Samples, Russian Journal of Inorganic Chemistry, 67(4) (2022), 560-575. https://doi.org/10.1134/S0036023622040027 ***(Cite score 50-75th, scopus)***
30. Ragaa El Sheikh, Wafaa S. Hassan, Amira M. Youssef, Ahmed M. Hameed, Abdu Subaihi, Ahmed Alharbi and ***A.A. Gouda***, Eco-friendly ultrasound-assisted ionic liquid-based dispersive liquid-liquid microextraction of nickel in water, food and tobacco samples prior to FAAS determination, International Journal of Environmental Analytical Chemistry, 102(4), (2022), 899-910. https://doi.org/10.1080/03067319.2020.1727461 ***(Cite score 50-75th, scopus)***
31. ***Gouda, A.A.***, Amin, A.S., Design of a novel optical sensor for determination of trace amounts of tin in food and in environmental samples, International Journal of Environmental Analytical Chemistry, 2022, 102(18), 7313–7328. https://doi.org/10.1080/03067319.2020.1830988 ***(Cite score 50-75th, scopus)***
32. ***Ayman A Gouda***, Ragaa El Sheikh,Wafaa S. Hassan, Nancy Gouda and Hameeda A. Khadrajy, A new carrier element-free coprecipitation method with 3-benzyl-4-p-nitrobenzylidenamino-4,5-dihydro-1,2,4-triazole-5-thiol for separation, preconcentration, and determination of some metal ions in water and food samples, International Journal of Environmental Analytical Chemistry, 102 (2022) 6270-6281.

https://doi.org/10.1080/03067319.2020.1807971 ***(Cite score 50-75th, scopus)***

33. Mohannad M Garoub, ***Ayman A Gouda***, An efficient ionic liquid-based cloud point extraction to preconcentrate mercury in environmental samples and hair of occupational workers before spectrophotometric detection, Bulletin of the Chemical Society of Ethiopia, 36(4) (2022), 767-778. DOI: 10.4314/bcse.v36i4.4 (***Q4, web of science***)
34. ***Gouda, A.A.,*** El Sheikh, R., El Sayed, H.M. et al. Ultrasound-Assisted Dispersive Microsolid-Phase Extraction for Preconcentration of Trace Cobalt and Nickel in Environmental Samples Prior to their Determination by Flame Atomic Absorption Spectrometry. J. Appl. Spectrosc., 89, (2022) 567–578. https://doi.org/10.1007/s10812-022-01396-4.
35. Ahmed H Moustafa, Hassan A El-Sayed, Alaa S Amin, Asmaa M El Haggar, Ayman A Gouda, Efficiency enhancement of the spectrophotometric determination of Zinc in water, food and pharmaceutical preparations samples using Cloud Point Extraction, Egyptian Journal of Chemistry, (2022) Articles in Press, https://doi.org/10.21608/ejchem.2022.155962.6748.
36. ***Ayman A Gouda***, Ragaa Elsheikh Shohaib, Alaa S Amin, Mohamed H Sherif, Asmaa M El Lakani, An Eco-Friendly Cloud Point Extraction for Preconcentration of Iron (III) in Water Samples prior to Spectrophotometric Determination, Egyptian Journal of Chemistry, 65(13) (2022) DOI: 10.21608/ejchem.2022.127914.5674
37. Mohannad M Garoub, Ayman A Gouda, Ragaa ElSheikh, Eman Fawzy, Walid E ElToukhi, Utilization of cloud point extraction for enhancement the efficiency of spectrophotometric estimation of milnacipran HCl as anti-depression drug in dosage forms and application to its tablets uniformity testing, Journal of Umm Al-Qura University for Applied Sciences (2022) article in press.
38. Amin A.H., El Sheikh R., Abdel Fattah G.M., Ali M., Abdelnaby B.M., ***Gouda A.A.,*** Spectrophotometric methods for the quantitative determination of memantine hydrochloride in pure form and pharmaceutical formulations, International Journal of Applied Pharmaceutics, l 14(2), (2022) 206-214. DOI: https://dx.doi.org/10.22159/ijap.2022v14i2.43924
39. Amin A.H., El Sheikh R., Youssef A.O., Abdel Fattah G.M., ***Gouda A.A.,*** Validated spectrophotometric methods based on the charge transfer complexation reaction for the determination of valacyclovir hydrochloride as antiviral drug in pharmaceutical formulations, International Journal of Applied

Pharmaceutics, l 14(3), (2022) 117-124. DOI: https://dx.doi.org/10.22159/ijap.2022v14i3.43906.

40. Ragaa Elsheikh, Heba El Sayed, Sherehan Abo Al Ezz, Walaa Gamil, Mohamed Ali, ***Ayman A Gouda***, Shyma M Fawzi, Ultrasound-assisted ionic liquid-based dispersive liquid-liquid microextraction procedure for preconcentration of cobalt and nickel in environmental and biological samples prior to FAAS determination, Bulletin of Faculty of Science, Zagazig University, 2022(2) (2022) 105-120. DOI: 10.21608/BFSZU.2022.135282.1130
41. Ragaa El Sheikh, ***A.A. Gouda***, M Shaltout, KA Hamed, Assessment of Organochlorine pesticides and heavy metals in groundwater in Belbis region, El-Sharqia, Egypt, Bulletin of Faculty of Science, Zagazig University, 2022(1) (2022) 64-70. DOI: 10.21608/bfszu.2022.109098.1103

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