



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 University 2022- 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:	<ul style="list-style-type: none">✓ 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" <p>* Member of the Research teams in the following projects presented to Umm Al Qura University, Saudi Arabia Titled:</p> <ul style="list-style-type: none">✓ 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:	<p>* Member of the Research teams in the following projects presented to</p>

	<p>Zagazig University Titled:</p> <ul style="list-style-type: none"> ✓ "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
<ul style="list-style-type: none"> - 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**
- **Spectrofluorimeter**
- **Atomic Absorption Spectroscopy**
- **pH meter**
- **Gas Chromatography**
- **Data analysis using standard scientific soft-wares including Ms word- Excell- Origin-SPSS- Power Point.**

COURSES TAUGHT:

	<p>@ Analytical Chemistry</p> <p>@ General Chemistry</p> <p>@ Qualitative Analytical Chemistry</p> <p>@ Quantitative Analytical Chemistry</p> <p>@ Chromatography</p> <p>@ Bioanalytical Chemistry</p> <p>@ Instrumental Analysis (UV-Visible Spectroscopy, Atomic Absorption Spectroscopy, Conductometry, HPLC and Gas chromatography)</p> <p>@ Practical Physical Chemistry as (Electrochemistry & Surface Chemistry & Kinetics & Phase Rule & Instrumental Analysis)</p> <p>@ Alkalimetry and Acidimetry</p> <p>@ Compleximetry</p> <p>@ Gravimetric Analysis</p> <p>@ Ore Analysis</p> <p>@ Spectroscopy</p>
--	--

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 11th – 12th, 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 18th 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 CoSO₄. 7H₂O 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, Mohamed 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 HMM. 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.jobbe.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 Haggag, 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, 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, 1 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

2021

42. Ragaa El Sheikh, Ibrahim Hegazy, Ehab Zaghlool, Mohamed EA Ali, **A.A. Gouda**, Hydrochemical characteristics and water quality assessment in Abu-Zaabal area, eastern Nile Delta, Egypt, International Journal of Applied Pharmaceutics, 13(6), 2021, 221–231.
<https://doi.org/10.22159/ijap.2021v13i6.42562>
43. **A.A. Gouda**, Abdulrahman Y. Hamdi, Ragaa El Sheikh, Ahlam E. Abd Ellateif, Naif A. Badahdah, Muneer E. Alzuhiri, Eman Saeed, Development and validation of spectrophotometric methods for estimation of antimigraine drug eletriptan hydrobromide in pure form and pharmaceutical formulations, French Pharmaceutical Annals, (Annales Pharmaceutiques Francaises), 79(4), 2021, 395–408. <https://doi.org/10.1016/j.pharma.2020.11.002>
44. El Sayed Abo Taleb, Maged Antonious, Ragaa El Sheikh, Ahmed O Youssef, **A.A. Gouda**, An Eco-Friendly Ultrasound-Assisted Emulsification Dispersive Liquid–Liquid Microextraction of Nickel in Environmental Samples Coupled with Spectrophotometry, Egyptian Journal of Chemistry, 64(4), (2021), 1877–1888. DOI: 10.21608/ejchem.2021.51117.3047
45. Abourehab, M.A.S., Shahin, M.H.K., Sheikh, R.E., Fawzi, S.M., **A.A. Gouda**, Utilization of N-bromosuccinimide for the sensitive spectrophotometric determination of pipazethate HCl as antitussive drug in pure and dosage forms, Annales Pharmaceutiques Francaises, 2021 Nov;79(6):652-663.
<https://doi.org/10.1016/j.pharma.2021.02.008>

46. M.M. Mabrouk, **A.A. Gouda**, S.F. El-Malla, D.S. Abdel Haleem, Sensitive spectrophotometric determination of vardenafil HCl in pure and dosage forms, French Pharmaceutical Annals, (Annales Pharmaceutiques Francaises), 2021, 79(1), 16–27. <https://doi.org/10.1016/j.pharma.2020.08.003>

2020

47. Ragaa El Sheikh, Mohammed Shaltout, Kamal El Nabawy and **A.A. Gouda**, A green Enrichment Method of Copper, Manganese and Nickel in Water Samples via Cloud Point Extraction, Anal Bioanal. Chem. Res., 7(1), (2020), 49-60.
48. Mohannad Garoub, A. H. Hefny, W. E. Omer, Maged M. Elsaady, Mohamed M. Abo-Aly, Ali A. Sayqal, Ahmed Alharbi⁴, Ahmed Hameed, Hussain Alessa, A. O. Youssef, Ekram H. Mohamed, **A.A. Gouda**, R. El Sheikh, M. N. Abou-Omar, Maged A. El-Kemary and M. S. Attia, Highly Selective Optical Sensor Eu (TTA)₃ Phen Embedded in Poly Methylmethacrylate for Assessment of Total Prostate Specific Antigen Tumor Marker in Male Serum Suffering Prostate Diseases, Frontiers in Chemistry, 8 (2020) 561052.
49. **A.A. Gouda**, Ali M. Alshehri, Ragaa El Sheikh, Wafaa S. Hassan, and Sara H. Ibrahim, Development of green vortex-assisted supramolecular solvent-based liquid–liquid microextraction for preconcentration of mercury in environmental and biological samples prior to spectrophotometric determination, Microchemical Journal, 157, (2020), 105108.
50. Walaa E Omer, Maged A El-Kemary, Mostafa M Elsaady, Mona N Abou-Omar, Ahmed O Youssef, Ali A Sayqal, **A. A Gouda**, Mohamed S Attia, Highly Efficient Gold Nano-Flower Optical Biosensor Doped in a Sol–Gel/PEG Matrix for the Determination of a Calcitonin Biomarker in Different Serum Samples, ACS omega, 5(11), (2020) 5629-5637.
51. **A.A. Gouda**, Ali H. Amin, Ibrahim S. Ali, Zakia Al Malah, Green Dispersive Micro Solid-Phase Extraction using Multiwalled Carbon Nanotubes for Preconcentration and Determination of Cadmium and Lead in Food, Water, and Tobacco Samples, Current Analytical Chemistry, 16(4), (2020), 381-392.
52. **A.A. Gouda**, Abdu Subaihi, Soad S. Abd El Hayd, Green Supramolecular Solvent-Based Liquid-Phase Microextraction Method for Spectrophotometric Determination of Aluminum in Food, Water, Hair and Urine Samples, Current Analytical Chemistry, 16(5), (2020), 641-651.

53. Eman M. Hafez, Ragaa El Sheikh, Ali A. Sayqal, Najla AlMasoud and A. A. Gouda, Ultrasound-Assisted Ionic Liquid Microextraction for Preconcentration of Cadmium in Water, Vegetables and Hair Samples Prior to FAAS Determination, *Current Analytical Chemistry*, 16, (2020), 1-10.
54. Ragaa El Sheikh, Wafaa S. Hassan, Sara H. Ibrahim, Amira M. Youssef, and A.A. Gouda, Green Vortex-Assisted Ionic Liquid-Based Dispersive Liquid-Liquid Microextraction for Enrichment and Determination of Cadmium and Lead in Water, Vegetables and Tobacco Samples, *International Journal of Applied Pharmaceutics*, 12(5), (2020), 103-110.
55. Ragaa El Sheikh, Ahlam E. Abde Ellateif, Esraa Akmal, and A. A. Gouda Developed and validation of new spectrophotometric methods for estimation of anti-psychotic drug asenapine maleate in pure and dosage forms, *International Journal of Applied Pharmaceutics*, 12(4), (2020), 62-69.
56. Ragaa El Sheikh, Wafaa S. Hassan, Eman H.Youssef, Abdulrahman Y. Hamdi, Naif A. Badahdah, Muneer E. Alzuhair and A.A. Gouda, Developed and validation of rapid-stability-indicating HPLC method for determination of liagliptin and empagliflozin in pure and dosage forms, *Asian Journal of Pharmaceutical and Clinical Research*, 13, (2020) 172-177.
57. Ragaa El Sheikh, Wafaa S. Hassan, Marwa M. El-Gabry, A.A. Gouda, Saleh S. Idris, Osama M. Salem and Ibrahim S Ali, Developed and validation of spectrophotometric methods for determination of leukotriene receptor antagonist montelukast sodium in bulk and pharmaceutical formulations, *Asian Journal of Pharmaceutical and Clinical Research*, 13, (2020) 86-92.
58. Ragaa El Sheikh, Wafaa S. Hassan, Rowaida A. Fahmy, and A. A. Gouda, Validated spectrophotometric methods for determination of montelukast sodium in pure and dosage forms using N-bromosuccinimide and dyes, *International Journal of Applied Pharmaceutics*, 12(4), (2020), 152-159.
59. Ragaa El Sheikh, Mohammed A. Atwa, Amira A. Abdullah and A. A. Gouda, A green Vortex-Assisted Ionic Liquid-Based Dispersive Liquid-Liquid Microextraction Method for Preconcentration and Determination of Trace Cadmium in Food Samples, *Asian Journal of Pharmaceutical and Clinical Research*, 13, (2020) 1-7.
60. Ragaa El Sheikh, Mohammed Shaltout, Kamal El Nabawy and A.A. Gouda, An Environment-Friendly Cloud Point Extraction Method for preconcentration and

- determination of Lead and Cadmium in Water Samples, BFSZU, 2016(1), (2020), 394-404.
61. Ragaa El Sheikh, Eman M. Hafez, Osama M. Salem, Saleh S. Idris, Ibrahim S. Ali and **A. A. Gouda**, Surface active ionic liquid-assisted cloud point extraction method for preconcentration of nickel in environmental samples before its FAAS determination, BFSZU, (2020) Article in press. DOI: [10.21608/BFSZU.2020.21640.1023](https://doi.org/10.21608/BFSZU.2020.21640.1023)
62. Ragaa El Sheikh, Mohammed A. Atwa, Amira A. Abdullah and **A. A. Gouda**, Eco-Friendly Ultrasound-Assisted Ionic Liquid-Based Dispersive Liquid-Liquid Microextraction for Preconcentration and Spectrophotometric Determination of Amaranth in Food Samples, BFSZU, (2020) Article in press.
63. **A.A. Gouda**, Ragaa El Sheikh, Wafaa S. Hassan, Sara H. Ibrahim, Amira M. Youssef, Preconcentration and spectrophotometric determination of mercury in water, food and hair samples through ionic-liquid induced micelle-mediated extraction, BFS-ZU, 2020, 12-22. DOI: [10.21608/BFSZU.2020.31952.1031](https://doi.org/10.21608/BFSZU.2020.31952.1031)

2019

64. Eman M. Hafez, Ragaa El Sheikh, Maher Fathalla, Ali Sayqal, **A.A. Gouda**, An environment-friendly supramolecular solvent-based liquid-phase microextraction method for determination of aluminum in water and acid digested food samples prior to spectrophotometry, *Microchemical J.*, 150, (2019), 104100.
65. Ragaa El Sheikh, Wafaa S. Hassan, **A.A. Gouda**, Abdul Aziz Al Owairdhi, Validated and Sensitive Spectrophotometric Methods for Estimation of Rizatriptan Benzoate in Pharmaceutical Formulations using Cerium (IV) Sulphate, *Research J. Pharm. and Tech*, 12, (2019), 2123-2130.
66. Ragaa El Sheikh, Wafaa S. Hassan, **A.A. Gouda**, Abdul Aziz Al Owairdhi, Al Hassani KKH., Validated Spectrophotometric Determination of Rizatriptan Benzoate in Pharmaceutical Formulations using Alizarin Derivatives, *International Journal of Pharmaceutical Quality Assurance*, 10, (2019), 11-20.
67. Ragaa El Sheikh, Mohammed A. Atwa, **A. A. Gouda** and Amira A. Abdullah, Application of cloud point extraction for preconcentration, separation and determination of aluminum in food samples, *Main Group Chemistry*, 18, (2019), 345-356.

68. Hind Hadi, Marwa Mouayed, A. A. Gouda, Reducing and Oxidizing Columns in the Flow Injection Determination of Nitrazepam in Pharmaceutical Formulations, *Journal of Analytical Chemistry*, 74, (2019), 143–152.

2018

69. A.A. Gouda, Manal S. Elmasry, Hisham Hashem, Heba M. EL-Sayed, Eco-friendly environmental trace analysis of thorium using a new supramolecular solvent-based liquid-liquid microextraction combined with spectrophotometry, *Microchemical J.*, 142, (2018), 102–107.
70. A. A. Gouda, Wael A. Zordok, Solid-phase extraction method for preconcentration of cadmium and lead in environmental samples using multiwalled carbon nanotubes, *Turk. J. Chem.*, 42, (2018), 1018-1031.
71. Soad S. Abd El-Hay, Hibah Aldawsari and A.A. Gouda, A New Separation and Enrichment Method of Heavy Metals in Water and Food Samples Using 2-(2'-Benzothiazolylazo)-6-Aminophenol Impregnated Multi-Walled Carbon Nanotubes, *Current Analytical Chemistry*, 14, (2018), 120-128.
72. Ragaa El Sheikh, Wafaa S. Hassan, A. A. Gouda, and Abdul Aziz Al Owairdhi, Extractive Spectrophotometric Methods for Determination of Pramipexole Dihydrochloride in Pharmaceutical Preparations through Ion-Pair Technique, *International Journal of Pharmaceutical Sciences Review and Research*, 49(1), (2018), 104-112.
73. Ragaa El Sheikh, Wafaa S. Hassan, A. A. Gouda, and Marwa M. El Gabry, Utility of cerium (IV) ammonium sulphate as oxidizing agent for spectrophotometric assay of oxybutynin hydrochloride in pharmaceutical preparations, *International Journal of Research in Pharmacy and Pharmaceutical Sciences*, 3(1), (2018), 09-16.
74. Ragaa El Sheikh, Alaa S Amin, A.A. Gouda, Ola S. Negeda, Sensitive and Validated Spectrophotometric Method for the assay of Proton Pump Inhibitor Dexlansoprazole in Pure Form and Pharmaceutical Formulations using Alizarin Derivatives, *International Journal of Research in Ayurveda and Pharmacy*, 9, (2018), 76-82.
75. Ragaa El Sheikh, Wafaa S. Hassan, A. A. Gouda, and Ghada M. Abdel Fattah, Validated Spectrophotometric Methods for Determination of Donepezil Hydrochloride in Pharmaceutical Formulations Based on Redox Reaction with Ceric(IV) Ammonium Sulphate, *International Journal of Pharmaceutical Sciences Review and Research*, 52, (2018), 66-74.

76. Ragaa El Sheikh, Wafaa S. Hassan, A. A. Gouda, and Mousa M. Kamal, A Rapid Stability-indicating HPLC Method for Determination of Daclatasvir in Pure Form and Tablets, International Journal of Pharmaceutical Sciences Review and Research, 52, (2018), 98-103.
77. Ragaa El Sheikh, A. A. Gouda, and Lobna A Sadek, New spectrophotometric method for determination of Aripiprazole in pure form and pharmaceutical formulations using ceric (IV) ammonium Sulphate, International Journal of Research in Pharmacy and Pharmaceutical Sciences, 3(1), (2018), 259-267.
78. Ragaa El Sheikh, Wafaa S. Hassan, A. A. Gouda, and Ghada M. Abdel Fattah, Validated Spectrophotometric Methods for the Quantitative Determination of Memantine Hydrochloride in Pure Form and Pharmaceutical Formulations through Charge Transfer Reaction, Int. J. Res. Ayurveda Pharm. 9, (2018), 76-82.

2017

79. Ragaa El Shiekh, Wafaa S. Hassan, A.A. Gouda, Marwa M. El Gabry, Sensitive spectrophotometric assay of muscarinic receptor antagonist tolterodine tartarate in bulk drug and pharmaceutical formulations, Asian J Pharm Clin Res, 10, (2017), 346-352.
80. Ragaa El Sheikh, Alaa S. Amin, A. A. Gouda, and Doaa Zahran, Validated spectrophotometric methods for determination of cefdinir in pure and dosage forms through charge transfer complexation using alizarin derivatives, International Journal of Research in Pharmacy and Pharmaceutical Sciences, 2(6), (2017), 11-18.

2016

81. AA Gouda, Abdulhadi M. Summan and Ali H. Amin, Development of cloud-point extraction method for preconcentration of trace quantities of cobalt and nickel in water and food samples, RSC Adv., 6, (2016), 94048–94057.
82. Ragaa El Shiekh, Alaa S. Amin, Eman M. Hafez and AA Gouda, Spectrophotometric estimation of vardenafil HCl and tadalafil in pure forms and tablets using cerium(IV) ammonium sulphate, Der Pharmacia Lettre, 8 (2016),153-165.
83. A. S. Amin, R. El Shiekh, E. M. Hafez, A. A. Gouda, Optimized and validated spectrophotometric methods for the determination of ezetimibe in pharmaceutical

- formulations using potassium permanganate, *Der Pharma Chemica*, 8, (2016), 73-83.
84. **AA Gouda**, A new coprecipitation method without carrier element for separation and preconcentration of some metal ions at trace levels in water and food samples, *Talanta*, 146, (2016), 435–441.
 85. **AA Gouda**, R. EL Sheikh, A S. Amin, S.H. Ibrahim, Optimized and validated spectrophotometric determination of two antifungal drugs in pharmaceutical formulations through ion-pair complexation reaction, *Journal of Taibah University for Science*, 10, (2016), 26-37.
 86. Soad S. Abd El-Hay, Hisham Hashem, **AA Gouda**, High performance liquid chromatography for simultaneous determination of xipamide, triamterene and hydrochlorothiazide in bulk drug samples and dosage forms, *Acta Pharm.* **66** (2016) 109–118.
 87. **AA Gouda**, Soad S. Abd El-Hay, Hisham Hashem, Utilization of alizarin derivatives for the sensitive spectrophotometric determination of two proton pump inhibitors in pharmaceutical formulations, *Main Group Chemistry* 15 (2016) 17–34.
 88. **AA. Gouda**, Sheikha M. Al Ghannam, Impregnated multiwalled carbon nanotubes as efficient sorbent for the solid phase extraction of trace amounts of heavy metal ions in food and water samples, *Food Chemistry*, 202 (2016) 409–416.
 89. **AA Gouda**, Soad S. Abd El-Hay, Determination of thorium(IV) in real samples by spectrophotometry after micelle-mediated cloud point extraction, *Journal of Radioanalytical and Nuclear Chemistry*, 310 (2016) 191-200. DOI 10.1007/s10967-016-4780-y.
 90. Ragaa El Sheikh, **AA Gouda**, Wafaa S. Hassan, Hesham Hashem, Mohammed Ali and Nasser F. Kandiel, Development and Validation of a Rapid Stability-Indicating HPLC Method for Determination of Carbamazepine in Pure and Dosage Forms, *Chemical Science Transactions*, 5(3) (2016) 1-9. DOI:10.7598/cst2016.1268
 91. Eman M. Hafez, Ragaa El Shiekh, Alaa S. Amin, **AA. Gouda**, Simple spectrophotometric methods for the determination of two phosphodiesterase type 5-inhibitors in pure and tablets dosage forms using N-bromosuccinimide as an oxidant, *Chemical Science Transactions*, 5(3) (2016) 1-9. DOI:10.7598/cst2016.1271

92. Ragaa El Sheikh, **AA Gouda**, Atef Salem, Ibrahim Hendy, Analysis and Characterization of Wastewater Nitrogen Components for using in Wastewater Modeling and Simulation, International Journal of Advanced Research in Chemical Science (IJARCS), 3(5), (2016), 28-36.
93. Ragaa El Shiekh, **AA. Gouda**, Sherehan Abo El ezz, Utilitization of Charge Transfer Complexation Reaction for the Spectrophotometric Determination of Vardenafil HCl and Yohimbin HCl in Pharmaceutical Formulations, Chemical Science Transactions, 5(3) (2016) 1-9. DOI:10.7598/cst2016.980
94. **AA Gouda**, Ragaa El Sheikh, Alaa S. Amin, Application of cloud point extraction for separation of iron in water, food and environmental samples prior to determination by spectrophotometry, Analytical Chemistry Letters, 6(3) (2016) 296-312.
95. Ragaa El Shiekh, Alaa S. Amin, Eman M. Hafez, Sensitive spectrophotometric assay of two phosphodiesterase type 5-inhibitors in pure and dosage forms using potassium permanganate, **AA Gouda**, Chemical Science Transactions, 5(4) (2016) 962-978. **DOI:10.7598/cst2016.1280**
96. Eman M. Hafez, Ragaa El Sheikh, Alaa S. Amin and **A A. Gouda**, Validated Spectrophotometric Methods for Estimation of Ezetimibe in Pure and Dosage Forms, Indo American Journal of Pharmaceutical Research.2016:6(11). 7075-7088.
97. **AA. Gouda**, Ragaa El Sheikh, Alaa S. Amin and Sara H. Ibrahim, Spectrophotometric Methods Based on Charge Transfer Complexation reaction for the determination of some antifungal drugs in pure and dosage forms, Bull. Chem. Soc. Ethiop. **2016**, 30(3), 333-346.

2015

98. Optimized and validated spectrophotometric determination of voriconazole and fluconazole in pharmaceutical formulations through ion-pair complexation reaction,
AA Gouda, R. EL Sheikh, Alaa S Amin, Sara H. Ibrahim, *Journal of the Chelian Chemical Society*, 60(3), (2015), 2986-2992.
99. Spectrophotometric determination of oxybutinine hydrochloride by ion-pair extraction in pharmaceutical preparations,
AA Gouda, R. EL Sheikh, L. I. Mahfouz, *International Journal of Pharmacy & Pharmaceutical Sciences*, 7(6),(2015), 272-277.

100. Cloud point extraction, preconcentration and spectrophotometric determination of cobalt in water samples,
R. EL Sheikh, **AA Gouda**, H Abdul Fattah, E. Al Amin, *International Journal of Pharmacy & Pharmaceutical Sciences*, 7(9),(2015), 213-221.
101. Development of efficient Cloud point extraction method for Cloud point extraction, preconcentration and spectrophotometric determination of nickel in water samples using 2-(benzothiazolylazo)orcinol,
R. EL Sheikh, **AA Gouda**, A.H. Mostafa, N Salah El Din, *International Journal of Pharmacy & Pharmaceutical Sciences*, 7(10),(2015), 176-184.
102. Validation Spectrophotometric methods for determination of enalapril maleate in pure and dosage forms,
R. EL Sheikh, **AA Gouda**, N. Gouda, *International Journal of Pharmacy & Pharmaceutical Sciences*, 7(7),(2015), 190-197.
103. Sensitive Spectrophotometric determination of acetylcholinesterase inhibitor donepezil hydrochloride in pure form and pharmaceutical formulations using sulphonphethalin dyes,
R. EL Sheikh, **AA Gouda**, H. Soliman, *International Journal of Pharmacy & Pharmaceutical Sciences*, 7(8),(2015), 274-281.
104. Utility of certain σ and π -acceptors for the spectrophotometric determination voriconazol antifungal drug in pharmaceutical formulation,
AA Gouda, R. EL Sheikh, A S. Amin, S.H. Ibrahim, *International Journal of Pharmacy & Pharmaceutical Sciences*, 7(2),(2015), 126-133.
105. Extractive Spectrophotometric Determination of Azelastine Hydrochloride in Pure Form and Pharmaceutical Formulations,
AA Gouda, R. EL Sheikh, H. El Saied, *Canadian Chemical Transactions*, 3(1), (2015), 29-41.
106. Determination of phenolic components and antioxidant activity of some Egyptian tea samples,
R. El Sheikh, A. S. Amin, M. A. Atwa, **AA Gouda**, A. A. Abdullah, *International Journal of Pharmacy & Pharmaceutical Sciences*, 7(2), (2015), 198-202.
107. Spectrophotometric determination of pizotefin maleate in pure form and tablets using π -acceptors,
A.S. Amin, **A. A. Gouda**, R. El Sheikh, E. H. Youssef, *The Bulletin of the Chemical Society of Ethiopia*, 29(2), (2015), 187-197.

2014

108. Cloud point extraction, preconcentration and spectrophotometric determination of trace amount of manganese (II) in water and food samples,
AA Gouda, *Spectrochimica Acta Part A.*, 131, (2014), 138-144.
109. Cloud-point extraction, preconcentration and spectrophotometric determination of trace quantities of copper in food, water and biological samples,
AA Gouda, AS Amin, *Spectrochimica Acta Part A.*, 120, (2014), 88-96.
110. Kinetic Spectrophotometric Determination of Gemifloxacin Mesylate and Moxifloxacin Hydrochloride in Pharmaceutical Preparations Using 4-Chloro-7-nitrobenzo-2-oxa-1, 3-diazole,
MG Abdel Wahed, R El Sheikh, **AA Gouda**, S Abou Taleb, *Journal of Spectroscopy*, (2014), 917234.
111. Spectrophotometric Determination of Pizotifen Maleate in Bulk Drug and Tablets using N-bromosuccinimide and Three Dyes.,
AS Amin, R El Sheikh, MM Mostafa, **AA Gouda**, EH Youssef, *International Journal of Pharmacy & Pharmaceutical Sciences*, 6(4), (2014), 218-223.
112. Extractive Spectrophotometric Determination of Vardenafil HCl and Yohimbine HCl in Pure and Pharmaceutical Dosage Forms,
R El Sheikh, M Zaky, **AA Gouda**, S Abo Al Ezz, *Journal of Chiliane Chemical Society*, 59 (3) , (2014), 2248-2255.
113. Utility of N-bromosuccinimide as an Environmental-friendly Reagent for Sensitive Spectrophotometric Determination of Aipiprazole in Tablets.,
AS Amin, **AA Gouda**,, EH Youssef, *International Journal of Pharmacy & Pharmaceutical Sciences* 6(4), (2014), 247-253.
114. Development and validation of a rapid stability indicating HPLC-method using monolithic stationary phase and two spectrophotometric methods for determination of antihistaminic acrivastine in capsules,
AA Gouda, H Hashem, T Jira, *Spectrochimica Acta Part A.*, 130, (2014), 480-487.
115. Solid-phase extraction using multiwalled carbon nanotubes and quinalizarin for preconcentration and determination of trace amounts of some heavy metals in food, water and environmental samples,
AA Gouda, *International Journal of Environmental Analytical Chemistry*, 94 (12) (2014), 1210-1222.
116. Charge transfer spectrophotometric methods for the determination of two antihistaminic drugs in pharmaceutical formulations,

AA Gouda, AM Barakat, *International Journal of Pharmacy & Pharmaceutical Sciences*, 6 (7), (2014), 334-341.

117. Spectrophotometric methods based on charge transfer complexation reactions for the determination of amisulpride in pure form and pharmaceutical formulations,

AA Gouda, AS Amin, EH Youssef, *International Journal of Pharmacy & Pharmaceutical Sciences*, 6 (3), (2014), 154-160.

118. Sensitive spectrophotometric determination of cypermethrin in its formulations, water and environmental samples,

AA Gouda, LS Al Mazroai, *Main Group Chemistry*, 13 (3), (2014), 233-242.

119. Preconcentration, solvent sublation and spectrophotometric determination of uranium(VI) in water samples using arsenazo III and tri N-octyl amine,

RE Shohaib, MA Akl, NM Farag, **AA Gouda**, SR Abdel Hamid, *International Journal of Pharmacy & Pharmaceutical Sciences*, 6 (5), (2014), 551-556.

120. Spectrophotometric Determination of Gemifloxacin Mesylate, Moxifloxacin Hydrochloride, and Enrofloxacin in Pharmaceutical Formulations Using Acid Dyes,

AA Gouda, AS Amin, R El-Sheikh, AG Yousef, *Journal of analytical methods in chemistry*, (2014), 286379.

2013

121. Development and validation of sensitive spectrophotometric method for determination of two antiepileptics in pharmaceutical formulations,

AA Gouda, **Zakia Al Malah**, *Spectrochimica Acta Part A*. 105, (2013), 488–496.

122. Utilization of a Green Brominating Agent for the Spectrophotometric Determination of Pipazethate HCl in Pure Form and Pharmaceutical Preparations,

AA Gouda, *Journal of Spectroscopy*, (2013), 1-10.

123. Development and validation of rapid stability indicating HPLC-determinations of antiepileptic drugs Phenobarbital in suppositories and Phenytoin in capsules as well as in urine sample,

Hisham Hashem, **AA Gouda**, Hanaa Saleh, *Journal of Liquid Chromatography & Related Technologies*, 36(16), (2013), 2292-2306.

124. Kinetic Spectrophotometric Determination of some Fluoroquinolone Antibiotics in Bulk and Pharmaceutical Preparations,

- Mohammed G. Abdel Wahed, Ragaa El Sheikh, **AA Gouda**, Sayed Abou Taleb, *The Bulletin of the Chemical Society of Ethiopia*, 2013, 27(3), 1-18.
125. Utility of Charge Transfer and Ion-Pair Complexation for Spectrophotometric Determination of Eletriptan Hydrobromide in Pure and Dosage Forms, **AA Gouda**, Ragaa El Sheikh, RhamM. El-Azzazy, *Journal of Chemistry*, (2013), 1-10. <http://dx.doi.org/10.1155/2013/402164>
126. Utility of Oxidation-Reduction Reaction for Determination of Gemifloxacin Mesylate and Moxifloxacin HCl in Pure Form and in Pharmaceutical Formulations using N-Bromosuccinimide, Ragaa El Sheikh, Alaa S Amin, **AA Gouda**, Amira G Youssef, *Pharm Anal Acta*, 4(5), (2013), 1-9. <http://dx.doi.org/10.4172/2153-2435.1000240>
127. Spectrophotometric and spectrofluorometric methods for the determination of non-steroidal anti-inflammatory drugs: A review, **AA Gouda**, Mohammed I. Kotb El Sayed, Alaa S. Amin, Ragaa El Sheikh, *Arabian Journal of Chemistry*, 6, (2013), 145-163.
128. Sensitive and selective spectrophotometric determination of spiramycin in pure form and in pharmaceutical formulations, Ragaa El Sheikh, **AA Gouda**, Khalil M. Khalil, *International Journal of Pharmaceutical Sciences and Research*, 4(6), (2013), 2234-2243.
129. Spectrophotometric Study on the Charge Transfer Complex Between Sumatriptan Succinate and some π -Acceptors and Alizarin Derivatives, Ragaa El Sheikh, **AA Gouda** and Rham M. El-Azzazy, *Chemical Industry and Chemical Engineering Quarterly*, 19 (4), (2013), 529-540.
- 2012**
130. Spectrophotometric methods for determination of cefdinir in pharmaceutical formulations via derivatization with 1,2-naphthoquinone-4-sulfonate and 4-chloro-7-nitrobenzo-2-oxa-1, 3-diazole, **AA Gouda**, Hisham Hashem and Wafaa Hassan, *Drug Testing and Analysis*, 4, (2012), 991-1000.
131. Charge Transfer Spectrophotometric Determination of Zolmitriptan in Pure and Dosage Forms, **AA Gouda**, Ragaa El Sheikh and Rham M. El-Azzazy, *Analytical & Bioanalytical Techniques*, (2012), 3(6), 1-7.

132. Development and Validation of a rapid Stability Indicating chromatographic Determination of Cefdinir in Bulk Powder and Dosage Form Using Monolithic Stationary Phase,
Hisham Hashem, AA Gouda, Wafaa Hassan, *Journal of Liquid Chromatography & Related Technologies*, (2012), 35, 1638–1648.
133. Novel Spectrophotometric Methods for Determination of Desloratidine in Pharmaceutical Formulations Based on Charge Transfer Reaction,
AA Gouda, Mohamed Kassem, *Arabian Journal of Chemistry*, (2012), in press.
134. Extractive Spectrophotometric Method for the Determination of Tropicamide,
Zakaria A. Shoaibi and AA Gouda, *Journal of Young Pharmacists*, 4(1), (2012), 42-48.
135. Extractive spectrophotometric determination of some α -adrenergic-antagonists in pure forms and in pharmaceutical formulations,
Ragaa El Sheikh, Nahla S. Esmail, AA Gouda, Walid Abdel Basset, *Chemical Industry and Chemical Engineering Quarterly*, 18 (2), (2012), 179-191.
136. Utility of Solid Phase Spectrophotometry for the modified Determination of Trace Amounts of Cadmium in Food Samples,
Alaa S. Amin and AA Gouda, *Food Chemistry*, 132, (2012), 518–524.

2011

137. Spectrophotometric Determination of Tadalafil in Pure and Dosage Forms,
Ali Al Kaf and AA Gouda, *Chemical Industry & Chemical Engineering Quarterly*, 17(2), (2011), 125–132.
138. A novel spectrofluorimetric method for the assay of pseudoephedrine hydrochloride in pharmaceutical formulations via derivatization with 4-chloro-7-nitrobenzofurazan,
Akram M. El-Didamony and AA Gouda, *Luminescence*, 26(6), (2011), 510–517.
139. Utility of Inorganic Oxidants for the Spectrophotometric Determination of Ganciclovir in Dosage Forms,
AA Gouda and Alaa S. Amin, *Latin American Journal of Pharmacy*, 30(2), (2011), 334-41.
140. Comparative study between chloramine-T and iodogen to prepare radioiodinated etodolac for inflammation imaging,
H. Hussien, AA Gouda, A. M. Amin, R. EL-Sheikh, and U. Seddik, *Journal of Radioanalytical and Nuclear Chemistry*, 288, (2011), 9–15.

2010

141. Kinetic spectrophotometric determination of hyoscine butylbromide in pure form and in pharmaceutical formulations,
AA Gouda, *Arabian Journal of Chemistry*, 3(1), (2010), 33-38.
142. Copper(II)–neocuproine reagent for spectrophotometric determination of captopril in pure form and pharmaceutical formulations,
AA Gouda and Alaa S. Amin, *Arabian Journal of Chemistry*, 3(3), (2010), 159-165.
143. Sensitive Spectrophotometric Methods for Determination of Some Organophosphorous Pesticides in Vegetable Samples,
AA Gouda, Alaa S. Amin, Ragaa El-Sheikh and Magda A. Akl., *Chemical Industry & Chemical Engineering Quarterly*, 16 (1), (2010), 11–18.
144. Spectrophotometric Methods for The Determination Of Gemifloxacin Mesylate In Pure Form and Pharmaceutical Formulations,
Zakaria Y. Al Shoaibi and AA Gouda, *Analytical Chemistry (An Indian Journal)*, 9(1), (2010), 1-10.

2009

145. Radioiodination, purification and bioevaluation of Piroxicam in comparison with Meloxicam for imaging of inflammation,
A. M. Amin, AA Gouda, R.EL-Sheikh, U. Seddik and H. Hussien. *Journal of Radioanalytical and Nuclear Chemistry*, 280(3), (2009), 589–598.
146. Utility of certain σ - and π -acceptors for the spectrophotometric determination of ganciclovir in pharmaceutical formulations,
AA Gouda, *Talanta*, 80(1), (2009), 151-157.
147. Spectroscopic and thermal studies on copper(II) and cobalt(II)-losartan complexes,
AA Gouda, Soha Fahim, *Inorganic Chemistry: An Indian Journal*, 4(1), (2009).

2008

148. Utility of solid-phase spectrophotometry for determination of dissolved iron(II) and iron(III) using 2,3-dichloro-6-(3-carboxy-2-hydroxy-1-naphthylazo)quinoxaline,
Alaa S. Amin and AA Gouda, *Talanta*, 76(5), (2008), 1241-1245.

149. Spectrophotometric determination of etodolac in pure form and pharmaceutical formulations,
AA Gouda and Wafaa Hassan, *Chemistry Central Journal*, 2(1), (2008), 1-8.
150. Spectrophotometric Determination of Pipazethate HCl and Dextromethorphan HBr using Potassium Permanganate,
AA Gouda, Ragaa El-Sheikh Zeineb El Shafey, Nagda Hossny, Rham El-Azzazy, *International Journal of Biomedical Sciences*, 4(4), (2008), 292-302.
151. Spectrophotometric Determination of Hyoscine Butylbromide and Famciclovir in Pure Form and in Pharmaceutical Formulations,
AA Gouda, Zeineb. El Shafey, Nagda. Hossny, Rham El-Azzazy, *Spectrochimica Acta Part A*, 70(4), (2008) 785–792.
152. Spectrophotometric determination of some histamine H1-antagonist drugs in their pharmaceutical preparations,
Wafaa S. Hassan, Magda M. El- Henawee, **AA Gouda**, *Spectrochimica Acta Part A*, 69(1), (2008) 245–255.
153. Utility of Some π -Acceptors for Spectrophotometric Determination of Gatifloxacin in Pure Form and in Pharmaceutical Preparations,
AA Gouda, Ragaa El-Sheikh and Alaa S. Amin, *Chemical & Pharmaceutical Bulletin*, 56(1), (2008) 34-40.
154. Spectrophotometric Determination of some Fluoroquinolones Antibacterial Drugs in Pharmaceuticals and Biological Fluids through Ternary Complex Formation with Eosin and Palladium (II),
Ragaa El-Sheikh, Alaa S. Amin and **AA Gouda**, *Analytical Chemistry (an Indian Journal)*, 7(9), (2008), 676-683.
155. Spectrophotometric Determination of Some Anti-Tussive Drugs and its Applications to Pharmaceutical Formulations;
Alaa. S. Amin, Ragaa El-Shiekh, Magda M. El-Henawee, Faten Zahran, **AA Gouda**, *Analytical Chemistry (an Indian Journal)*, 7(10), (2008), 757-767.
156. Sensitive Spectrophotometric Determination of Carbaryl in its Formulation and Environmental Samples,
AA Gouda, Shahira G. Shohaib, Wesam S. Shehab, Ragaa El Sheikh, 3rd Scientific Environmental Conference, " Future Mission for The Environmental Developments, Faculty of Science, Zagazig University, 23-24 June (2008).

2007

157. Spectrophotometric Determination of Some Anti-Tussive and Anti-Spasmodic Drugs through Ion Pair Complex Formation with Thiocyanate and Cobalt (II) or Molybdenum (V),
Ragaa El-Shiekh, Faten Zahran and AA Gouda, *Spectrochimica Acta Part A*, 66, (2007), 1279-1287.
158. Spectrophotometric Determination of Pipazethate HCl, Dextromethorphan HBr and Drotaverine HCl in Their Pharmaceutical Preparations,
Alaa S. Amin, Ragaa El-Sheikh, Faten Zahran, AA Gouda, *Spectrochimica Acta Part A*, 67, (2007), 1088-1093.
159. Spectrophotometric Determination of Pipazethate Hydrochloride in Pure Form and in Pharmaceutical Formulations,
Ragaa El-Shiekh, Alaa S. Amin, Faten Zahran and AA Gouda, *Journal AOAC International*, 90(3), (2007), 686-693.
160. Spectrophotometric Determination of Gatifloxacin in Pure Form and in Pharmaceutical Formulation;
Alaa S. Amin, AA Gouda, Ragaa El-Shiekh, Faten Zahran, *Spectrochimica Acta Part A*, 67, (2007), 1306-1312.

2006

161. Spectrophotometric Determination of Dextromethorphan Hydrobromide and Ketamine Hydrochloride in Pure and Dosage Forms;
Ragaa El-Sheikh, Monir Zaky, Faten Zahran Mohamed, Alaa Sayed Amin and AA Gouda, *Journal of the Chinese Chemical Society*, 53, (2006), 831-838.
162. Spectrophotometric Determination of Dextromethorphan Hydrobromide in Pure Form and in Pharmaceutical Formulations.
Wafaa S. Hassan, Ragaa EL-Sheikh, Magda M. El-Henawee and AA Gouda; *Mansoura Journal of Pharmaceutical Sciences*, 22(1), (2006) 102-116.
163. Spectrophotometric Determination of Tramadol Hydrochloride, Ambroxol Hydrochloride and Clidinium Bromide in Pharmaceutical Formulations;
Alaa S. Amin, Wafaa S. Hassan, R. EL-Sheikh, AA Gouda, *Zagazig Journal of Pharmaceutical Sciences*, 15(1), (2006), 1-7.