



Curriculum Vitae



I- Personal information:

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|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1) Full Name: | ▪ Abeer Mohamed Elsaied Hassan, Ph.D. |
| 2) Title: | ▪ Associated Professor of Pharmaceutical Analytical Chemistry |
| 3) Nationality: | ▪ Egyptian |
| 4) Date of birth: | ▪ 3/5/1972 |
| 5) Place of birth: | ▪ Cairo-Egypt |
| 6) Marital status: | ▪ ----- |
| 7) Address: | ▪ Faculty of Pharmacy, October 6 University |
| 8) E-Mail: | ▪ abeerelsaied@o6u.edu.eg
▪ abeerelsaied351972@gmail.com |
| 9) H-Index (according to Scopus): | ▪ 6 |
| 10) Website: | ▪ --- |
| 11) ORCID: | ▪ https://orcid.org/0000-0003-3234-9883 |
| 12) Scopus author ID: | ▪ |

II- Education:

University College for Women (Arts, Science, & Education), Ain Shams University
*Ph.D. in Electroanalytical Chemistry, 2005.
Thesis: Preparation and Characterization of Potentiometric Sensors for Determination of Some Hazardous Metal Cations.
University College for Women (Arts, Science, & Education), Ain Shams University



*M.Sc. in Analytical and Inorganic Chemistry
Thesis: Synthesis And Characterization of Some New Transition metal Complexes Using Schiff Base As Ligands,2000.
*Advanced Pre-Master courses in Inorganic and Analytical chemistry
Chemistry Department, Ain Shams University, Cairo, Egypt, (Nov. 1993- Nov. 1994).
*B.Sc. in Chemistry (very good with honor degree, 78, 37%)
Chemistry Department, University College for Women (Arts, Science, & Education), Ain Shams University, Cairo, Egypt, Sep. 1990- June 1993.

III- Professional occupations:

- IV- Manage the day to day workload of the chemistry department and mentoring of junior staffs and Coop students.
- V- Operation and practical hands-on experiences with the ability to trouble shoot various analytical instruments UV-VIS, GC and HPLC lab equipment.
- VI- Assist the QC department in undertaking quality inspections and quality audits.
- VII- Excellent skills in using some computer programs such as: Excel, Word, Power point, Origin, Isis Draw and Chemdraw, and the use of these programmes in presenting the lectures and in drawings.

VIII- Experience:

a) Teaching experience:

- Undergraduate
- Appointed for the Associated Professor in Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, October 6 University, Dated 1-09-2018- Continue.
- Appointed for the post of Lecturer in Department of Pharmaceutical Analytical Chemistry, Faculty of Pharmacy, October 6 University, Dated 1-09-2007.
- Appointed for the post of Lecturer in Department of Chemistry, Faculty of Science, Taif University, Tife, Kingdom Saudi Arabia, dt.15-8-2005 to 15-7-2009.
- Appointed for the post of Lecturer in (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo, dt.2005-2009.



-Appointed for the post of Assistant Lecturer in (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo, dt.2000-2005.

-Appointed for the post of Demonstrator in (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo, dt.1994-2000.

- Appointed for the post of temporary Demonstrator in Department of Chemistry, University College for Women (Arts, Science, & Education), Ain Shams University, dt.15-9-1993 to 31-5-2000.

-Appointed for the post of temporary Assistant Lecturer in Demonstrator Department of Chemistry, University College for Women (Arts, Science & Education), Ain Shams University, dt. 2000 to 2005.

- Supervising and co supervising 5 master students and 1 PhD students.

b) Research experience and list of publications:

Analytical Chemistry filed, dealing with electro-analytical based techniques. Potentiometry with ion-selective electrodes and voltammetry with chemical modified electrodes are the main tools. Until now, analysis of food, pharmaceutical and environmental samples have been the purpose of all methodologies developed or under development. All issued determinations are of organic or inorganic nature. Several detectors are constructed for each analyte, changing not only sensing systems but also the configuration of the electrodes. Mostly, the main purpose is to provide electrodes of suitable configuration and performance for in-situ determinations.

List of Publications

I. Papers after appointment as lecturer:

1-Novel delivery system with a dual-trigger release of savory essential oil by mesoporous silica nanospheres and its possible targets in leukemia cancer cells: in vitro study.

Abeer M.E.Hassan , Khaled AbouAitah, Heba A. Hassan, Naglaa M. Ammar, Doha H. Abou Baker, Imane M. Higazy, Olfat G. Shaker, Ahmed A. A. Elsayed Cancer Nanotechnology , **14**, 3 (2023).

2-Construction of an optical sensor for molybdenum determination based on a new ionophore immobilized on a polymer membrane
Abeer ME Hassan, Alaa S Amin, Salah M El-Bahy,
35(4),102592,2023, Journal of King Saud University-Science.

3-Two Versatile Pencil Graphite-Polymer Sensor Electrodes Coupled with Potentiometry and Potentiometric Titration Methods: Profiling Determinations of Vitamin V in Tablets and Urine Samples



Abeer ME Hassan, Mohamed A El Hamd, Mahmoud H El-Maghrabey, Wael A Mahdi, Sultan Alshehri, Hany A Batakoushy, Sensors 2022, 22(23), 9128.

4-Novel delivery system with a dual-trigger release of savory essential oil by mesoporous silica nanospheres and its possible targets in leukemia cancer cells: in vitro study .

5-**Abeer ME Hassan** ,Khaled AbouAitah, Heba A Hassan, Naglaa M Ammar, Doha H Abou Baker, Imane M Higazy, Olfat G Shaker, Ahmed AA Elsayed, 14 (1), 1-32, 2023, Cancer Nanotechnology.

6- Green analytical chemistry and experimental design: a combined approach for the analysis of zonisamide.

Abeer M.E.Hassan., Yasmin M.Fayez,, Sally S.El-Mosallamy, Soha G.Elsheikh

17(38),1076,2023, BMC Chemistry.

7-Validated stability indicating spectrophotometric methods for quantitative determination of anticonvulsant drug zonisamide in the presence of its oxidative degradation product.

Abeer M. E. Hassan, Soha G. Elsheikh, Yasmin M. Fayez, and Sally S. El-Mosallamy
Journal of Applied Spectroscopy, Vol. 90, No. 4, September, 2023 (Russian Original Vol. 90, No. 4,

8-Smart stability indicating spectrophotometric methods for determination of modafinil: the promising treatment for post-covid neurological syndrome

Abeer M. E. Hassan, **Yasmin M. Fayez**, Soha G. Elsheikh, **Sally S. El-Mosallamy**,

BMC Chemistry volume 16, Article number: 79 (2022) .

9-PEG@ Carbon Nanotubes Composite as an Effective Nanocarrier of Ixazomib for Myeloma Cancer Therapy

AME Hassan ,HA Elgamal, SA Mohamed, AA Farghali- Nanoscale research letters, 2022

10-Spectrophotometric determination of Tartrazine in soft drink powder and pharmaceutical dosage form, **Abeer M.E. Hassan**, M.A. Hussien, Alaa S.

Amin, Ahmed M. Abdelsalam' Ayman A. Ali Journal of Basic and Environmental Sciences, 7 (2020) 132-139

11-Greenness Assessment of Two Validated Stability Indicating

Chromatographic Methods for Estimating Modafinil Using Analytical Eco-Scale. Soha G Elsheikh, **Abeer M E. Hassan**, Yasmin M Fayez, Sally S El-



Mosallamy. *Journal of AOAC INTERNATIONAL*,
09 October 2021, qsab132, <https://doi.org/10.1093/jaoacint/qsab132>.

12- Utilization of Ionic Liquid Cold-Induced Aggregation Micro Extraction Technique for

Preconcentration and Determination of Aluminum in Food, Water, and Biological Sample, Abeer M.E. Hassan, Alaa S Amin, *Journal of Nanomedicine*, Feb 18, 2021, MedDocs Publishers LLC, ISSN: 2578-8760 .

13- Utility of a novel optical sensor design for ultra- trace detection of chromium colorimetrically in real environmental samples, Hesham H. El-Feky, Salah M. El-Bahy, Abeer M.E. Hassan & Alaa S. Amin, *International Journal of Environmental Analytical Chemistry*, Published online: 27 May 2021, DOI: 10.1080/03067319.2021.1921759, To link to this article: <https://doi.org/10.1080/03067319.2021.1921759> .

14- New Simple Ion-Selective Membrane Electrode for Serious Environmental Pollutant, Mercury (II), Analysis in Aqueous Solution, Fluorescent Mercury Lamp White Dust, Mercurochrome and Dental Alloy. Abeer M. E. Hassan, Hytham M. Ahmed and Hassan Y. Aboul-Enein. *Current Analytical Chemistry*, 2018, 14, 36-42, Accepted: August 3, 2016, DOI:10.2174/1573411012666160809120706

15- Manufacture of Lead-Specific Screen-Printed Sensor Based on Lead Schiff Base Complex as Carrier and Multi-Walled Carbon Nanotubes for Detection of Pb(II) in Contaminated Water Tests. Tamer Awad Ali, Abeer M.E. Hassan, Gehad G. Mohamed. *Int. J. Electrochem. Sci.*, 11(2016) 10732 – 10747 Accepted: September 11, 2016, (ISSN 1452-3981).

16- Solid Contact Potentiometric Sensors Based on Host-Tailored Molecularly Imprinted Polymers for Creatine Assessment. Ayman H. Kamel, Abeer M. E. Hassan. *Int. J. Electrochem. Sci.*, 11(2016) 8938–8949 Accepted: September 6, 2016, (ISSN 1452-3981).

17- Development and Validation of Stability-Indicating Chromatographic Method and Stress Degradation Studies for Vitamins A and E in Their Combined Soft-gelatin Capsules. Mostafa M. Baker, Hytham M Ahmed, Fawzy A. Elbarbry, Abeer M.E. Hassan. *Jokull Journal* , 66, (8),35-45, 2016.



18- Preparation, Characterization of Metallic Iron and Bimetallic Iron/Copper Nanoparticles and their Application for the Removal of Trihalomethanes from Potable Water. Abeer M. E. Hassan, S.A. Abo El-Enein, Gehad G. Mohamed, Amr I. Mohamed. *Jokull Journal* , 66(7), 2-23, 2016.

19- Sensitive Electrochemical Determination of Pantoprazole Sodium in Pure Form Pharmaceutical Formulations and Biological Fluid at Glassy Carbon Electrode Using Differential Pulses and Square wave Techniques. Abeer M. Elsied H., Gehad G. Mohamed, *Int. J. Electrochem. Sci.*, 10 ,7147 – 7158, 2015.

20-Determination of Oxomemazine Hydrochloride by Differential Pulses Voltammetry and Adsorptive Square-Wave Voltammetry at Glassy Carbon Electrode in Pure Form and Pharmaceutical Formulations. Abeer M. Elsied H. *International Journal of Science and Research (IJSR)*, 3(7), 1051-1055, 2014.

21- Modified Carbon Paste and Screen Printed Ion Selective Electrodes for Potentiometric Determination of Nefazodone Hydrochloride In Pharmaceutical Preparation. ABEER M. ELSIED H. *Journal of International Academic Research For Multidisciplinary*, 2(5), 565-576, 2014.

II. Papers extracted from Ph D Thesis

22- Cadmium(II)-Selective Membrane Coated Graphite Electrode Based on a Recently Synthesized Bis-(4'-Hydroxyacetophenone) - Ethylenediamine. Hassan A. Arida, Mona A. Ahmed, Abeer M. Elsaied, *Sensors* 2004 vol.4, pp.43-54.

23- A Novel bis-(Acetylacetonate)-p-phenylenediamine-Uranyl Ion Sensing Material Based Coated Graphite Rod Electrode for Uranyl Ion, Hassan A M. Arida and Abeer M. Elsaied. *Analytical Letters* Vol. 36 , Iss. 6,2003.

24- A new lead(II)-selective PVC-coated graphite rod electrode based on a Schiff base complex, Arida HA , el-Reefy SA , el-Saied AM, *Analytical Sciences : the International Journal of the Japan Society for Analytical Chemistry* ,2003, 19(5):687-690.

25- A Novel Coated Graphite Rod Th(IV) Ion Selective Electrode Based



On Thorium Oxinate Complex and Its Application, Hassan A. Arida,
Mona A. Ahmed and Abeer M. El-Saied, *Sensors* 2003, 3(10), 424-437.

c) **Training and
Attendance of
conferences :**

▪ Conferences

Abeer M. E. Hassan , Abdullah M. Batis, "Comprehensive Chemical Analysis, Honey Quality and Microbiological Properties of Batees(Sidr) Honey to the Enhance of Legal Specificaarytions" in 13th Asisan Apicultural Association Conference, April 24-26, Jeddah, Kingdom of Saudi Arabia, 2016.

- Abeer M. E. Hassan , in Nanoparticle Assembly: From Fundamental to Applications Faraday Discussion, Indian Institute of Technology, Bombay, India, 7-9, January, 2016.

- Abeer M. E. Hassan, Gehad G. Mohamed, "Electrochemical Assessment of Pantoprazole Sodium Based on Glassy Carbone Electrode Using Differential Pulls and Square wave Voltammetry. Application to Biological Fluid and Pharmaceutical Preparations", in 6th international Scientific Conference of Faculty of Pharmacy , Cairo Universty, 2020 Vision of Pharmacy in Egypt, April 25-26, 2015.

- Abeer M. E. Hassan, "Determination of Oxomemazine Hydrochloride by Deferential Pulls Voltammetry and Adsorptive Square-Wave Voltammetry at Glassy Carbon Electrode in Pure Form and Pharmaceutical Formulations" in The 7th in Scientific Congress of the Association of Pharmacy Colleges in The Arab World, "New Trends in Drugs Discovery, Development And Pharmacy Practice" Organized by the Faculty of Pharmacy, Ain Shams University, Cairo, October, 14-16, 2014.

- Abeer M. E. Hassan, " MODIFIED CARBON PASTE AND SCREEN PRINTED ION SELECTIVE ELECTRODES FOR POTENTIOMETRIC DETERMINATION OF NEFOAZODONE HYDROCHLORIDE IN PHARMACEUTICAL PREPARATION" in 5th international Scientific Conference of Faculty of Pharmacy , Cairo University, Pharmacy at the Cutting-edge: Facing Future Challenges, April 23-24, 2014.

▪ Workshops

-Diploma in preparing a professional Trainer from 8-3-2022 to 8-6-2022 with Grade Excellent.(TOT) Training of Trainers Course.

-Fundamentals of Digital Transformation Certificate, 2/022.

-Nono Drug Delivery Systems: Formulation and characterization 3-4/2/2021, Nawah-Scientific –CEO, Egypt.

--JoVE workshop (Accelerate your Science Research and Education Through JoVE 10/11/2022.

-Course of Nano drug delivery systems: Formulation and Characterization (NAWAH Scientific Center), 3-4/2/2022.



- دورة اعداد مدرب محترف -المجلس الوطني للتدريب والتعليم من ١٥-٣٠/٥/٢٠٢٢.
- دورة اعداد المعلم الجامعي -مركز التدريب والتعليم المستمر -كلية التربية -جامعة ٦ أكتوبر من ١٤/١٢/٢٠٢١-١٦/١٢/٢٠٢١.
- دورة إدارة الوقت والأزمات ٢٠٢٢/٧/٣٠ -جامعة الازهر-مركز ضمان الجودة والاعتماد.
- دورة الإدارة الفعالة للوقت وضغوط العمل ٢٠٢٢/٧/٣١ -جامعة الازهر-مركز ضمان الجودة والاعتماد.
- دورة تنمية المهارات الإدارية والقانونية ٢٠٢٢/٨/١ -جامعة الازهر-مركز ضمان الجودة والاعتماد.
- دورة الاتجاهات الحديثة في تطوير التعليم الجامعي ٢٠٢٢/٨/٢ -جامعة الازهر-مركز ضمان الجودة والاعتماد.
- دورة التخطيط الاستراتيجي ٢٠٢٢/٨/٣ -جامعة الازهر-مركز ضمان الجودة والاعتماد.

-Workshop and training course on" Capillary Electrophoresis" Unit of Drug Analysis and Pharmaceutical preparations in Faculty of Pharmacy, Mansura University, May 12-14, 2015.

-Teaching Strategies and Effective Learning Held from 16/11/2015 to 17/11/2015,National Authority for Quality Assurance and Accreditation of Education.

-Introduction in Credit Hours and Academic Advising held from 28/2/2015, Center of Quality Assurance and Accreditation of Education, October 6 University.

-Faculty and Leadership Development held from 6/4/2014 to 10/4/2014, Training center and Consultants, October 6 University.

-Work Pressure and Time Management held from 27/11/2013, Center of Quality Assurance and Accreditation of Education, October 6 University.

- Organization Scientific Conferences Held from 16/1/2012 to 18/1/2012 Faculty and Leadership Development Center – Cairo university.

- Use of Technology in Teaching Held from 2/1/2012 to 4/1/2012 Faculty and Leadership Development Center – Cairo University.

-Examination Techniques & Student Evaluation Held from 26/12/2011 to 28/1/2011 Faculty and Leadership Development Center – Cairo University.

4-Strategic Planning Held from 26/9/2011 to 28/9/2011 Faculty and Leadership Development Center – Cairo University.

- Quality Assurance Standards for Higher Education Held from 1/3/2011 to 3/3/2011 Faculty and Leadership Development Center – Ain Shames University.

-International Publications Held from 1/1/2011 to 3/1/2011 Faculty and Leadership Development Center – Ain Shames University.

-Complete Training Course on The Application of the OECD Principles of Good Laboratory Practices (GLP) of Egypt (2010).

-Complete Training Course on Strategies and Method of Students Evaluation – TAIF UNIVERSITY-UNIVERSITY DEVELOPMENT DEANSHIP- KINGDOM OF SAUDI ARABIA (2007).

-Complete Training Course on Effective Communications Skills –TAIF UNIVERSITY- UNIVERSITY DEVELOPMENT DEANSHIP- KINGDOM OF SAUDI ARABIA (2007)

-Complete Training Course on Principles of course Design and



Development– TAIF UNIVERSITY-UNIVERSITY DEVELOPMENT DEANSHIP- KINGDOM OF SAUDI ARABIA (2007).
-Complete Training Course on Research Skills in the Light of Information and Technology– TAIF UNIVERSITY-UNIVERSITY DEVELOPMENT DEANSHIP- KINGDOM OF SAUDI ARABIA (2007).
-Complete Training Course on Strategies and Methods of University Teaching– TAIF UNIVERSITY-UNIVERSITY DEVELOPMENT DEANSHIP- KINGDOM OF SAUDI ARABIA (2007).
-In Use of Environmental Isotopes to Assess and Sustain Water Resources from Pollution and Petroleum Applications (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo.
-In Management of the Chemical and Radioactive Waste by Different Analytical Methods (Atomic Energy Authority, hot Lab. Center, Cairo, Egypt).
-In the Prevention of the Environment from the Chemical and Radioactive Waste (Atomic Energy Authority, hot Lab. Center, Cairo, Egypt).
-In the Environmental and Radiation Monitoring for Industrial and Petroleum Facilities (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo.
-In Basic Training Course on Nuclear Safety (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo.
-In Basic Training Course on Safety Aspects for Decontamination and Decommissioning of small Hazardous Facilities (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo.
-In Basic Training Course on Systems of Accounting For and Control of Nuclear Material (Accounting- Measurements-Verification) (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo.
-In Basic Training Course on Environmental Management Of NORM Waste (Atomic Energy Authority, National Center For Nuclear Safety and Radiation Control (NCNSRC), Nasr City, Cairo.
-National Training Course on Regulatory Inspection for Radioactive Waste Management Facilities. (International Atomic Energy Agency IAEA).

IX- Awards:

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X- Memberships in the committee:

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XI- Other activities:

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I hereby declare that all the above information's are correct to the best of my knowledge

Abeer Elsaied

Place: Cairo/Egypt

(Abeer Mohamed Elsaied Hassan)