

Engy A. Mahrous, Ph. D.

Professor of Pharmacognosy and Phytochemistry

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Google Scholar: **h index = 18** **i10 index=24**

Scopus: **h index=15**



Education

- Ph.D. in Pharmaceutical Sciences (2009)
University of Tennessee Health Science Center, Memphis, TN, USA
- B.S. in Pharmacy and Pharmaceutical Sciences (1999)

Work Experience

March 2023-present **Head of the Pharmacognosy departments**
Department of Pharmacognosy
Faculty of Pharmacy, Ahram Canadian University

March 2011-February 2023
Professor of Pharmacognosy and Phytochemistry
Associate professor of Pharmacognosy and Phytochemistry
Lecturer of Pharmacognosy and Phytochemistry
Department of Pharmacognosy
Faculty of Pharmacy, Cairo University

August 2009-August 2010 **Postdoctoral Research Associate**
Department of Chemical Biology and Therapeutics,
St Jude Children Research Hospital, Memphis, TN, USA

August 2004-May 2009 **Graduate Teaching Assistant**
Department of Pharmaceutical Sciences
University of Tennessee, HSC, Memphis, TN, USA

August 2002-August 2004 **Research laboratory Assistant**
VA Medical Center, Memphis, TN

October 1999-August 2002 Teaching Assistant
Department of Pharmacognosy
Faculty of Pharmacy, Cairo University

Teaching Experience

Have been teaching different courses to pharmacy students and postgraduate students since 1999 in four different universities. Teaching duties included designing and updating course curriculum and delivering lectures, practical tutorials and workshops.

- **Undergraduate courses, Faculty of Pharmacy, Cairo University**
 - Pharmacognosy-1 (PG202) for PharmD student 2020-2022
 - Pharmacognosy-1 (PGC 202) for PharmD clinical pharmacy students 2020-2022
 - Pharmacognosy-1 (202) for Bachelor of Pharmacy student 2011-2021
(course coordinator since 2018)
 - Phytochemistry-1 (205) for Bachelor of Pharmacy student 2011-2014
 - Pharmacognosy-1 (PG202) for clinical pharmacy students 2013-2021
(course coordinator since 2018)
 - Phytochemistry-1 (PG404) spring 2012
 - Phytochemistry-2 (PG505) fall 2012

- **Undergraduate courses, Faculty of Pharmacy, October 6th University**
 - Phytochemistry I Fall 2019
 - Nutraceuticals and dietary supplements Fall 2019, Fall 2020
 - Herbal medicine Spring 2019
 - Plant biotechnology Spring 2020

- **Undergraduate courses, Faculty of Pharmacy, Ahram Canadian University**
 - Chemistry of Natural Products II Spring 2021
 - Pharmacognosy-2 Summer 2021
 - Phytochemistry-1 Fall 2021, Fall 2022
 - Phytochemistry-2 Spring 2022
 - Pharmacognosy-1 Spring 2023
 - Phytotherapy and aromatherapy Fall 2023

- **Postgraduate courses, Faculty of Pharmacy, Cairo University**
 - Plant Biotechnology (Masters students)
 - Spectroscopic methods 2204, (Master students)
 - Structural elucidation of natural products (Diploma for quality control)
 - Systems biology 1424 (genomics and bioinformatics diploma)

Administrative Experience

- Chairperson of Pharmacognosy Department, Faculty of Pharmacy, Ahram Canadian University **March 2023-present**
- Director of the Department of Pharmacognosy Herbarium **2019-2022**
- Facilitator of the periodical visit by the Ministry of Higher Education team to evaluate the new program at the Faculty of Pharmacy, Cairo University **December 2019**

- Assistant to the coordinator of the clinical pharmacy program
2012-2015, 2017-2019
- Head of control team of 4th level, Clinical Pharmacy Program, faculty of pharmacy, Cairo University
2019-present
- A member of supervising committee for the clinical pharmacy program 2013-2015
- A member of the training committee at the quality assurance unit, Faculty of Pharmacy, Cairo University
2015-2017
- A member of the technical bureau, Faculty of Pharmacy, Cairo University
2011-2015
- Academic advisor to clinical pharmacy program students
2012-2022

Training and Workshops

1. How to construct an assessment plan and assessment items based on international scientific standards. May 24th-May 25th, 2021. Ministry of Higher Education-Cairo University
2. SciVal: Dashboard of research performance Elsevier researcher academy, March 1st
3. How to review a manuscript, Elsevier researcher academy, Feb 16th, 2021
4. Avoiding plagiarism and proper citation using Mendeley, Elsevier researchers academy, Feb 15th, 2021
5. Logical manuscript writing, Nature Research Academics, Feb 1st, 2021
6. Successful Pre-submission Publishing Strategies" Nature Research Academies. January 19th, 2021
7. Mendeley Citation Manager Software, Faculty of pharmacy, Cairo University , January 19th, 2021.
8. "Effective Academic Writing" " Nature Research Academies. January 18th, 2021
9. Look beyond the Journal Impact Factor with Journal Citation Reports. Clarivate analytics. January 14th, 2021
10. How to register and use Egyptian Knowledge Bank Portal, December 24th, 2020.
11. Peer-review Like Professionals Series. CABI. December 17th. 2020
12. Webinar "Reversed phase method development: mobile phase selection and selectivity consideration", October 8th, 2020, Phenomenex
13. Webinar "Introduction to molecular docking", August 15, 2020. Insight Bio-IT Solutions.
14. Workshop entitled "creating online and interactive quizzes" Feb, 22nd, 2017. Faculty of Pharmacy, Cairo University
15. Workshop on "Recent trends in natural products drug discovery and analysis" Faculty of Pharmacy, Cairo University in partnership with Leibniz Institute of Plant Biochemistry. (8-9th December 2014).
16. Workshop entitled:"Communication and rhetorical techniques" arranged by DAAD in Cairo (30th October, 2013).

17. Workshop entitled: "How to present scientific data" arranged by DAAD in Cairo (26th March, 2013).
18. Joint seminar on "Recent Advances in Natural Products and Biotechnology" certified by the Institute of Natural Medicine, Japan in partnership with the Natural Products Center, Egypt held on 31st October 2012 at Faculty of Pharmacy, Cairo University, Egypt.
19. Workshop entitled: "Proposal writing, post Docs" arranged by DAAD in Cairo (14th October, 2012).

FLDC workshops

- 1 - Professional ethics in University job **14/02/2012 -**
- 2 – Ethics of Scientific Research **17/02/2014**
- 3 – Students assessment and evaluation models **14/05/2014 -**
- 4 - Management of Research teams **19/01/2015**
- 5 – Problem solving and decision making **24/08/2016-**
- 6 – Creative thinking **30 /11/2016 -**
- 7 – Crisis management **10/08/2020**
- 9- Strategic planning **14/8/2020**
- 8 – Critical Thinking **22/08/2020**
- 10 –Biostatistics in animal experiments **21 /09/2020**
- 11-Fundamental in blended learning **2021/2/14**
- 12-Egyptian knowledge bank and internet resources **19/9/2021**

Scientific activities

Research skills

- Experience working in level II and level III biosafety cabinets
- Basic molecular biology techniques, SDS-page electrophoresis, Western blotting, PCR, RT-PCR, culture and maintenance of suspension and adherent cell lines
- Analysis of plant extracts, fixed oils, essential oils using HPLC and GC/MS
- Isolation of phytochemicals using different chromatographic techniques.
- Structural elucidation of secondary metabolites using MS, IR , UV and NMR
- Analysis of metabolomics data sets by GC/MS, LC/MS and NMR
- *In vitro* enzyme inhibition assays and antimicrobial assays

Supervision of graduate students

Thesis supervisor to Master and PhD students at Faculty of Pharmacy, Cairo University since 2013

- 10 Master degree students 2013-present (8 awarded, 2 in progress)
- 3 PhD degree students 2014-present (2 awarded, 1 in progress)

Peer-reviewing at scientific journals

Peer reviewer of research articles in local and international journals

- Journal of Advanced Research
- Annals of Agricultural Science

- Food Research International
- Pharmaceuticals
- Scientific reports
- PLoS One
- Peer J
- Journal of functional foods
- RSC advances
- Journal of Pharmaceutical and Biomedical Analysis
- International Journal of Food Properties
- Grasas y Aceites - I. Journal of Fats and Oil
- Cogent Medicine
- Bulletin of Faculty of Pharmacy, Cairo University

Funded Projects

- Innovative Green Extraction Technology for Medicinal Plants (2014/2016)
Funded by STDF National Research Grants Extraction Technologies for Medicinal and Aromatic Plants
- Identification and Characterization of Synthetic and Naturally Occurring Virulence Inhibitors as Non-conventional Antimicrobial Agents (2015/2016) (Co-PI)
Funded by Faculty of Pharmacy Cairo University Interdisciplinary Research Grant

Publications

- Saber FR, Elosaily AH, **Mahrous EA**, Pecio Ł, Pecio S, El-Amier YA, Korczak M, Piwowarski JP, Świątek Ł, Skalicka-Woźniak K. Detailed metabolite profiling and in vitro studies of *Urospermum picroides* as a potential functional food. *Food Chemistry*. 2023 Nov 30;427:136677.
- Arafat MA, Khalil MN, Mohamed OG, Abd El-Ghafar OA, Tripathi A, Mahrous EA, Abd El-kader EM, El-Hawary S. Vetiver aerial parts and roots ameliorate rheumatoid arthritis in complete Freund's adjuvant rat model, a phytochemical profiling and mechanistic study. *Journal of Ethnopharmacology*. 2023 Jun 13:116764.
- Mahrous E, Chen R, Zhao C, Farag MA. Lipidomics in food quality and authentication: A comprehensive review of novel trends and applications using chromatographic and spectroscopic techniques. *Critical Reviews in Food Science and Nutrition*. 2023 May 2:1-24.
- Nour, S., Salama, M., **Mahrous, E.**, El-Askary, H., Hifnawy, M., & Abdel Kawy, M. A. . (2023). *Severinia buxifolia* Leaves: Isolation, Characterization of Major Metabolites from the Bioactive Fractions and their Antiprotozoal Activity. *Jordan Journal of Pharmaceutical Sciences*, 16(1), 18–29.

- Tamer A Al-Shafie, **Engy A Mahrous**, Mustafa Shukry, Mohammad Y Alshahrani, Samah F Ibrahim, Liana Fericean, Afaf Abdelkader, Mennatallah A Ali. A Proposed Association between Improving Energy Metabolism of HepG2 Cells by Plant Extracts and Increasing Their Sensitivity to Doxorubicin. *Toxics*. 2023, 11 (2), 182.
- Łukasz Pecio, Solomiia Kozachok, Fatema R Saber, Maria Garcia-Marti, Yasser El-Amier, **Engy A Mahrous**,... et al. Metabolic profiling of *Ochradenus baccatus* Delile. utilizing UHPLC-HRESIMS in relation to the in vitro biological investigations. *Food Chemistry*. 2023, 412, p. 135587.
- Fatema R. Saber. and **E.A. Mahrous**. Novel Functional Foods from Plants of the Mediterranean Area: Biological, Chemical, Metabolomic Approaches. In Reference Module in Food Science, Elsevier. 2023. Available online 23 April 2022.
- **Mahrous, E.A.**, Farag, M.A. Trends and Applications of Molecular Distillation in Pharmaceutical and Food Industries. *Sep Purif Rev*, 2022, 51(3), pp. 300–317.
- El Gaafary, M., Saber, F.R., **Mahrous, E.A.**, Ashour, R.M., Okba, M.M., Jin, L., Lang, S.J., Schmiech, M., Simmet, T. and Syrovets, T. The phloroglucinol calcitrinone A, a novel mitochondria-targeting agent, induces cell death in breast cancer cells. *Food and Chemical Toxicology*, 2022, p.112896.
- Ezzat SM, Abdel Rahman MF, Salama MM, **Mahrous, E.A.**, El Bariary A. Non-polar metabolites of green beans (*Phaseolus vulgaris* L.) potentiate the antidiabetic activity of mesenchymal stem cells in streptozotocin-induced diabetes in rats. *Journal of Food Biochemistry*. 2022, e14083.
- **Mahrous E.A.**, Elosaily AH, Salama AA, Salama AM, El-Zalabani SM. Oral and Topical Anti-Inflammatory Activity of *Jatropha integerrima* Leaves Extract in Relation to Its Metabolite Profile. *Plants*. 2022, 11(2):218.
- El-Hawary, S.S., Abubaker, M., **Mahrous, E.A.** Extracts of Different Organs of Macadamia Nut Tree (*Macadamia integrifolia*) Ameliorate Oxidative Damage in D-Galactose Accelerated Aging Model in Rats. *Biointerface Res. Appl. Chem.*, 2022, 12 (5), pp. 7125–7135.
- Elosaily AH, **Mahrous E.A.**, Salama AA, Salama AM, Elzalabani SM. Composition, anti-inflammatory, and antioxidant activities of avocado oil obtained from Duke and Fuerte cultivars. *Journal of the American Oil Chemists' Society*. 2022, 99(2):181-6.

- Elosaily, A.H., **Mahrous, E.A.**, Salama, A.M., Elzalabani, S.M, Correlation between genetic variability, chemical composition and antimicrobial activity of essential oils isolated from avocado cultivars grown in Egypt. *Egy J Chem*, 2021, 64(11), pp. 6155–6159.
- Abdel-Sattar, E., Shams, M.M., Abd-Rabo, M.M., Mahmoud, N., **Mahrous, E.A.** Chemical and biological investigations of *Limonium axillare* reveal mechanistic evidence for its antidiabetic activity. PLoS ONE, 2021, 16(8 August), e0255904.
- **Mahrous, E.A.**, Al-Abd, A.M., Salama, M.M., ...Soliman, F.M., Saber, F.R. Cattleianal and cattleianone: Two new meroterpenoids from *Psidium cattleianum* leaves and their selective antiproliferative action against human carcinoma cells. *Molecules*. 2021, 26(10), 2891
- El-Kersh, D.M., Ezzat, S.M., Salama, M.M, **Mahrous E.A.**, Ahmed, M.S., Elmazar, M.M.. Anti-estrogenic and anti-aromatase activities of citrus peels major compounds in breast cancer. *Sci Rep* 11, 7121 (2021).
- Saber, F.R., Ashour, R.M., El-Halawany, A.M., ...Zengin, G., **Mahrous, E.A.** Phytochemical profile, enzyme inhibition activity and molecular docking analysis of *Feijoa sellowiana* O. Berg, *J Enz Inh Med Chem*, 202, 36:1, 618-626, DOI: 10.1080/14756366.2021.1880397.
- El-Sabagh, O.A., El-Toumy, S.A., Mounir, R., Farag, M.A., **Mahrous, E.A.** Metabolite profiles of *Pulicaria crispa* and *P. incisa* in relation to their in-vitro/ in-vivo antioxidant activity and hepatoprotective effect: A comparative mass spectrometry-based metabolomics. *J of Pharm Biomed Anal*, 2021, 194, 113804.
- Farag, M.A., Shakour, Z.T., Lübken, T., ...Wessjohann, L.A., **Mahrous, E.** Unraveling the metabolome composition and its implication for *Salvadora persica* L. use as dental brush via a multiplex approach of NMR and LC–MS metabolomics. *J of Pharm Biomed Anal*, 2021, 193, 113727
- Abdel-Sattar, E., **Mahrous, E.A.**, Thabet, M.M., ...Segura-Carretero, A., Mekky, R.H. Methanolic extracts of a selected Egyptian *Vicia faba* cultivar mitigate the oxidative/inflammatory burden and afford neuroprotection in a mouse model of Parkinson’s disease. *Inflammopharmacol*, 2020
- Mounir, R, El-Sabagh, O.A., El-Toumy, S.A., **Mahrous, E.A.**, Farag, M.A. Antimicrobial activity and volatiles profiling of *Pulicaria crispa* and *P. incisa* growing wild in Egypt as determined via headspace SPME and steam distillation. *International J of Adv Biotech and Res*, 2020, 11(3), pp27-35.
- Mekky, R.H., Thabet, M.M., Rodríguez-Pérez, C., ...**Mahrous E.A.**, Segura-Carretero, A., Abdel-Sattar, E. Comparative metabolite profiling and antioxidant

- potentials of seeds and sprouts of three Egyptian cultivars of *Vicia faba* L. *Food Res Int*, 2020, 136, 109537.
- El Hawary, S.S., Abubaker, M., Abd El-Kader, E.M., **Mahrous, E.A.** Phytochemical constituents and anti-tyrosinase activity of *Macadamia integrifolia* leaves extract. *Nat Prod Res*, 2020.
 - Abouzed, T.K., Sadek, K.M., Ghazy, E.W., ... **Mahrous E.A.**, Abdel-Sattar, E., Assar, D.H. Black mulberry fruit extract alleviates streptozotocin-induced diabetic nephropathy in rats: targeting TNF- α inflammatory pathway. *J Pharm Pharmacol*, 2020, 72(11), pp. 1615–1628.
 - **Mahrous EA** and Nooh, MM. *Bauhinia vahlii* and antioxidant potential in diabetes In *Diabetes: Oxidative stress and dietary antioxidants*. Second edition, Academic press, London
 - Abdel-Wahab, A.-H.A., Effat, H., **Mahrous, E.A.**, Ali, M.A., Al-Shafie, T.A. A Licorice Roots Extract Induces Apoptosis and Cell Cycle Arrest and Improves Metabolism via Regulating MiRNAs in Liver Cancer Cells. *Nut and Cancer*. 2021, 73(6), pp. 1047–1058.
 - Hago, S., **Mahrous, E.A.**, Moawad, M., Abdel-Wahab, S., Abdel-Sattar, E. Evaluation of antidiabetic activity of *Morus nigra* L. and *Bauhinia variegata* L. leaves as Egyptian remedies used for the treatment of diabetes. *Nat Prod Res*. 2021;35(5):829-835.
 - Abdel-Sattar E, Abdelhady DH, Ghazy EW, Abdo W, Elbially ZI, Shukry M, **Mahrous EA**, Jandirk S. Proanthocyanidins rich extract of *Calligonum comosum* ameliorates doxorubicin-induced immunosuppression and hepatorenal toxicity. *Phcog Mag* 2019;15, Suppl S3:545-52.
 - Elosaily AH, **Mahrous EA**, Salama AMand El Zalabani SM. Proximate composition, phenolic content and antioxidant potential of the leaves of four *Jatropha* species. *Int. J. Res. Pharm. Sci.*, 2019,10(1), pp. 419-424
 - **Mahrous, EA.** And Abdel-Sattar E. "Cytotoxicity and antibacterial activity of the bioactive components isolated from *Asparagus officinalis* L: A bioguided study." *Wulfenia* . 2018;25(7):50-75.
 - Abubaker M., El Hawary SS., **Mahrous, EA.**, Abd El-Kader EM Botanical study and DNA fingerprinting of *Macadamia integrifolia* Maiden and Betche cultivated in Egypt. *Journal of Pharmacy research*. 2018, 12 (3), 298-304
 - Abubaker M., El Hawary SS., **Mahrous, EA.**, Abd El-Kader EM. Study of Nutritional Contents of *Macadamia integrifolia* Maiden & Betche Leaves, Kernel

- and Pericarp Cultivated in Egypt. *Inter. J. Pharmacog. Phytochem. Res.* 2017; 9(12); 1442-1445
- Elbanna AH, Nooh MM, **Mahrous EA**, Khaleel AE, El-alfy TS. Extract of *Bauhinia vahlii* Shows Antihyperglycemic Activity, Reverses Oxidative Stress and Protects Against Liver Damage in Streptozotocin-Induced Diabetic Rats. *Pharmaco Mag.* 2017 Oct. 2017 (Suppl 3):S607-S612.
 - Abdel-Sattar E, Farag MA and **Mahrous EA**. Chemical Constituents from *Solanum glabratum* Dunal var. *sepicula*. *Rec Nat Prod.* 2015, 9(1):94-104.
 - Abdo W, Hirata A, Shukry M, Kamal T, Abdel-Sattar E, **Mahrous E**, Yanai T. Calligonum comosum extract inhibits diethylnitrosamine-induced hepatocarcinogenesis in rats. *Oncol Lett.* 2015, 10: 716-722.
 - Farag MA, Porzel A, **Mahrous EA**, El-Massry MM, Wessjohann LA. Integrated comparative metabolite profiling via MS and NMR techniques for Senna drug quality control analysis. *Anal Bioanal Chem.* 2015, 407(7):1937-49.
 - Ezzat SM, Salama MM, **Mahrous EA**, Maes L, Pan CH, Abdel-Sattar E. Antiprotozoal activity of major constituents from the bioactive fraction of *Verbesina encelioides*. *Nat Prod Res.* 2017 (31) 676-680.
 - Elbanna AH, **Mahrous EA**, Khaleel AE, El-alfy TS. Chemical investigation of *Bauhinia vahlii* Wight and Arnott leaves grown in Egypt. *Inter J Pharm Pharm Sci* 2016 (8:6) 269-272.
 - Abdelmoez W, Ashour E, Naguib SM, Hilal A, Al Mahdy DA, **Mahrous EA**, Abdel-Sattar E. Kinetic and Thermodynamics studies for Castor Oil Extraction Using Subcritical Water Technology. *J Oleo Sci.* 2016 Jun 1;65(6):477-85
 - **Mahrous EA**, Farag MA. Two dimensional NMR spectroscopic approaches for exploring plant metabolome: A review. *J Adv Res.*; 6(1):3-15. 2015
 - Soliman FM, Fathy MM, Salama MM, **Mahrous EA**, Saber FR. Phytochemical and in-vitro biological study of *Psidium guajava* L. Leaves cultivated in Egypt. *World J Pharm and Pharm Scien.*, 4(5)124-139. 2015
 - Elbanna AH, **Mahrous EA**, Khaleel AE, El-alfy TS . Morphological and anatomical features of *Bauhinia vahlii* Wight & Arnott. grown in Egypt. *Journal of Applied Pharmaceutical Science* 6(12):084-093 · December 2016
 - Farag, M.A., **Mahrous, E.A**, Lubken, T, Porzel,A., Wessjohann, L.A. Classification of commercial cultivars of *Humulus lupulus* L. (hop) by

- chemometric pixel analysis of two dimensional nuclear magnetic resonance spectra. *Metabolomics*. 2014, 10:21-32.
- Wang C, **Mahrous EA**, Lee RE, Vestling MM, Takayama K. Novel Polyoxyethylene-Containing Glycolipids Are Synthesized in *Corynebacterium matruchotii* and *Mycobacterium smegmatis* Cultured in the Presence of Tween 80. *J Lipids*. 2011; 676535.
 - Sarfo S, Phillips R, **Mahrous EA**, Rangers BS, Lee RE, Tanelli T, Asiedu K, Small PL and Wansbrough J. Detection of mycolactone A/B in *Mycobacterium ulcerans* infected human tissue. *PLOS Neg Trop Dis*. 2010 Jan 5;4(1):e577.
 - **Mahrous EA**, Lee RB, Lee RE. Lipid Profiling Using 2-Dimensional Heteronuclear Single Quantum Coherence NMR. In *Lipidomics: methods and protocols*. Humana press, 2009 .
 - Aubry S, Lee RE, **Mahrous EA**, Small PL, Beachboard D, Kishi Y. Synthesis and Structure of Mycolactone E Isolated from Frog *Mycobacterium*. *Org Lett*. 2008 Nov 1.
 - Attia RR, Gardner LA, **Mahrous E**, Taxman DJ, Legros L, Rowe S, Ting JP, Geller A, Kotb M. Selective targeting of leukemic cell growth in vivo and in vitro using a gene silencing approach to diminish S-adenosylmethionine synthesis. *J Biol Chem*. 2008 Nov 7;283(45):30788-95.
 - Portaels F, Meyers WM, Ablordey A, Castro AG, Chemlal K, de Rijk P, Elsen P, Fissette K, Fraga AG, Lee R, **Mahrous E**, Small PL, Stragier P, Torrado E, Van Aerde A, Silva MT, Pedrosa J. *PLoS Negl Trop Dis*. 2008 Mar 26;2(3):e178
 - **Mahrous EA**, Lee RB, Lee RE. A rapid approach to lipid profiling of mycobacteria using 2D HSQC NMR maps. *J Lipid Res*. 2008 Feb;49(2):455-63.
 - Ranger BS, **Mahrous EA**, Mosi L, Adusumilli S, Lee RE, Colorni A, Rhodes M and Small PL. Globally distributed mycobacterial fish pathogens produce a novel plasmid- encoded toxic macrolide, mycolactone F. *Infect Immun* 2006 Nov;74(11):6037-45
 - Hasty DL, Meron-Sudai S, Cox KH, Nagorna T, Ruiz-Bustos E, Losi E, Courtney HS, **Mahrous EA**, Lee R, Ofek I. *J Immunol*. 2006 May 1;176(9):5567-76.
 - Mve-Obiang A, Lee RE, Umstot ES, Trott KA, Grammer TC, Parker JM, Ranger BS, Grainger R, **Mahrous EA**, Small PL. *Infect Immun*. 2005 Jun;73(6):3307-12

Conference Abstracts

- Phytochemical screening and DNA fingerprinting of *Persicaria* species growing in Egypt **The 4th International Pharma Conference (virtually on 18th and 19th November, 2020).**
- Phytochemical Investigation and Evaluation Of Cytotoxic Potential of *Feijoa sellowiana* O. Berg **3rd international conference. faculty of pharmacy Helwan University. September 2019**
- Phytochemical investigation of *Limonium axillare* (Kuntze.) growing in Egypt. **The 9th International Scientific Conference Of Faculty of Pharmacy Cairo University.** April 2018
- A poster presentation entitled “In-vitro anti-hyperglycemic and anti-oxidant activities of *Bauhinia vahlii* Wight & Arnott. growing in Egypt. **The 4th Euro-Mediterranean conference of Natural Products and Drug Discovery (BioNat-IV): March 3rd-7th .2015**
- A poster presentation entitled” Antiprotozoal Activity of major constituents from the bioactive fraction of *Verbesina enceloides*” **The 4th Euro-Mediterranean conference of Natural products Cairo/Sharm Egypt March3rd-7th 2015**
- E- poster presentation entitled” The assessment of the antihyperglycemic effect of a standardized ethanolic extract of *Morus nigra* L fruits growing in Egypt in streptozotocin-induced diabetic rats” **3rd International conference. Traditional & Alternative Medicine.. Birmingham, UK. August, 2015**
- A poster presentation entitled “investigation of botanical and genetic similarity among avocado cultivars grown in Egypt”. **The 5th International scientific conference of Faculty of Pharmacy Cairo University, April 23th – 24th , 2014.**
- Abdel-Sattar E, Farag MA and **Mahrous EA.** Chemical Constituents from *Solanum glabratum* Dunal var. sepicula. *Planta Medica* **79(13) · August 2013.**
- A poster presentation entitled “metabolic profiling via nuclear magnetic resonance (NMR) reveals the antigenic lipopeptides of *Mycobacterium avium* subsp. Paratuberculosis, isolation and structure characterization of two lipopeptides”. **The 4th International scientific conference of Faculty of Pharmacy Cairo University, April 24th – 25th , 2013.**