



Contact Data

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- Associate Professor at Faculty of Pharmacy, Alexandria University, Egypt
- Approved Trainer of trainee from Alexandria University, Egypt
- Approved Trainer of trainee from Hail University, KSA
- Previous Executive director of Quality Assurance Unit, Faculty of Pharmacy, Alexandria University
- Previous Executive director of Aiding Distance learning and Innovation in Pedagogy Unit (ADIP), Faculty of Pharmacy, Alexandria University
- Member of Alexandria University Strategic Plan Committee
- Member of civil work and society services, Faculty of Pharmacy, Alexandria University, Egypt

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<https://www.researchgate.net/profile/Hala-Zaatout>

https://scholar.google.com/citations?view_op=list_works&hl=ar&user=EVbeCYoAAAAJ&gmla=AJsN-F6aov6tyOEOEvGKgu2_F1wqQWU-mSht74NQ6iB7uv6bHgm509KQsiq7dTzsKUPU4MOQ-Ua91AxlUbeECQnuoObtHrNTSOfEmyzeVPLrtQgsFL0ox-1whlxAiihPsmUxs1fqWSuzA-9zZ9nlfgivSmy4fX1Sg

Personal Data

Nationality & Religion: Egyptian, Muslim

Marital Status: Married

Educational Data

- Ph.D. in Pharmaceutical Sciences (Pharmacognosy) 2010, Alexandria University, Egypt
- M.D. in Pharmaceutical Sciences (Pharmacognosy) 2010, Alexandria University, Egypt
- B. Pharm. Sci. 1997, Alexandria University, Egypt
- International TOEFL 2008
- ICDL (International Computer Driving License) 2008

Languages Arabic & English (International TOEFL 2008)

Academic Rank and profession

1. Demonstrator, Department of Pharmacognosy, Faculty of Pharmacy, Alexandria University, Egypt (1998 - 2002).
2. Assistant lecturer, Department of Pharmacognosy, Faculty of Pharmacy Alexandria University, Egypt (2002 - 2010).
3. Lecturer in Department of Pharmacognosy, Faculty of Pharmacy, Alexandria University. Egypt, Since February 2010 -2019.
4. Assistant Professor, College of Pharmacy - Hail University (UoH), Hail – KSA (2013 - 2015)
5. Associate professor in Department of Pharmacognosy, Faculty of Pharmacy, Alexandria University. Egypt, Since November 2019-till now
6. **Vice deanship Coordinator** of quality and development, College of Pharmacy - Hail University (UOH), Hail – KSA (2013-2015)
7. **Executive director of Quality Assurance Unit**, Faculty of Pharmacy, Alexandria University 2018-2021 till now
8. Faculty coordinator for the **Egypt Governmental Excellence Award 2019 and 2020**

9. **Executive director** of Aiding Distance learning and Innovation in Pedagogy Unit (ADIP), Faculty of Pharmacy, Alexandria University 2020-2022

Teaching Areas

I. Undergraduate level:

1. Participated in Theory and practical courses in Pharmacognosy & Phytochemistry given to undergraduate Pharmacy students, Faculty of Pharmacy, Damanhour University, Egypt (2010-/2012, 2015-2019)
2. Participated in Theory and practical courses in Pharmacognosy given to undergraduate Pharmacy students, Faculty of Pharmacy, Alexandria University, Egypt (2010-/2012, 2015-2019).
3. Participated in Theory and practical courses in Pharmacognosy for Clinical Pharmacy (Pharm D) Program students, Faculty of Pharmacy, Damanhour University, Egypt (2015-2019).
4. Participated in Theory and practical courses in Pharmacognosy for Clinical Pharmacy (Pharm D) Program students, Faculty of Pharmacy, Alexandria University, Egypt (2010-2012 and 2016- 2019).
5. Participated in Theory and practical courses in Pharmaceutical Organic Chemistry-I for Clinical Pharmacy (Pharm D) Program students, College of Pharmacy, Hail University (UOH), Kingdom of Saudi Arabia (KSA) 2013/2014 and 2014/2015.
6. COORDINATOR in Theory and practical courses in evidence-based herbal medicine for Clinical Pharmacy (Pharm D) Program students, College of Pharmacy, Hail University (UOH), Kingdom of Saudi Arabia (KSA) 2014/2015.

Postgraduate level:

- 1- Participated in (**Plant tissue culture**) course given to MD Students, Department of Pharmacognosy, Faculty of Pharmacy, Alexandria University, Egypt (2021/2022)
- 2- Participated in (**Natural products chemistry: nature, isolation and fractionation techniques**) given to MD Students, Department of

Pharmacognosy, Faculty of Pharmacy, Alexandria University, Egypt (2020/2021-2021/2022)

- 3- Participated in (**Selected topic course and Recent Advances in Chromatography**) given to PhD Students, Department of Pharmacognosy, Faculty of Pharmacy, Alexandria University, Egypt (2015/2016 and 2016/2017).
- 4- Participated in selected topic course (**Marine Natural Products**) given to PhD Students, Department of Pharmacognosy, Faculty of Pharmacy, Damanhour University, Egypt (2015/2016).
- 5- Participated in Theory and practical courses in **Spectral and Chemical Characterization of Natural Products** given to Master Degree Students, Department of Pharmacognosy, Faculty of Pharmacy, Alexandria University, Egypt (2010/2011 and 2011/2012).
- 6- Participated in Theory and practical courses in **Forensic Medicine and Toxic Plants** given to Master Degree Students of the faculty of medicine, Alexandria University, Egypt (2011/2012).

Research Areas:

- Biologically guided Phytochemical investigation
 - Extraction and fractionation of plants extracts.
 - Bioscreening and biological evaluation of plant extracts and fractions.
 - Isolation and purification of active compounds from plant extracts using the different methods of chromatography.
 - Biological evaluation of the purified isolates
 - Structure elucidation of natural compounds using 1D and 2D spectroscopy through interpretation of the compound's spectral data using; Ultra violet spectra, Infra red spectra, Nuclear magnetic resonance (^1H , ^{13}C , 1D and 2 dimensions) and Mass spectrometry (HRMS).
- Qualitative and Quantitative Evaluation of herbal drugs and natural products using Analytical and Bioanalytical methods of, & some research projects.
- Plant tissue culture.

- Drug discovery from plants and natural products origin
 - Metabolomics and multivariate analysis
 - Virtual screening (molecular docking & network pharmacology)
 - Clinical studies

Conferences

1. **2nd international conference & exhibition on pharmaceutical & healthcare sciences “Egypt vision for healthcare 2030” PHS 2022** Hilton Alexandria Green Plaza, Alexandria, Egypt (23-24 November; 2022) [PHS22-attendance.pdf](#)
2. **Damanhour** 20-21 September 2022 Faculty of Pharmacy, Damanhour University, Egypt
3. **7th Forum of Pediatrics 2022.**” From community care to emergency care” 20-21 October 2022 Golden Jewel Hotel Alexandria, Egypt [APC Certificate of Attendance.pdf](#)
4. **Cardio-Metabolic alliance** [cardio-metabolic2022.pdf](#)
5. **15th Menoufia Diabetes & Endocrine Summit** 16-17 June 2022 Golden Jewel Hotel Alexandria, Egypt [Menoufia Diabetes-2022 .pdf](#)
6. **Africa Health ExCon “your gate to innovation and trade”** 5-7 June 2022 Cairo. Egypt [Africa Health ExCon 2022.pdf](#)
7. **First Arab Conference: Intellectual property and Applications of the Fourth Industrial Revolution “Lessons Learned from Japan and Arab Experiences”** held by E-JUST University in collaboration with ARADO on 22-23 May 2022 [Intellectual property-EJUST2022.jpg](#)
8. **3rd PUA International conference on “Innovation in Pharmaceutical Sciences”** 14 May 2022, Pharos University, Alexandria, Egypt [IC-IPS-2022.jpg](#)
9. **PHS 2021 “Artificial intelligence in healthcare”** 27-28 November 2021 https://alexuuni-my.sharepoint.com/:b:/g/personal/hala_zatout_alexu_edu_eg/EZu1vh0ASUIGmbl4zCDI4OgB83CMvSy1jWPPfCWgXsSSLw?e=xaubbj
10. Participated as a **moderator** for: online and offline interactive tools in education” Conference Name: **Alexandria Pedagogical Innovation and Technology enhanced Learning “APITEL”** organized online by Alexandria University, Egypt. (From 23-25 October 2021) [AITEL-2021.JPG](#)
11. Conference Name: **Young researchers conference 2021**
Location: organized online by Faculty of Pharmacy, Beni-Suef University, Egypt. (From 27 August 2021)

12. Conference Name: **The 8th Egyptian congress of pediatric pulmonology**
Location: Bibliotheca Alexandrina , Alexandria (15-18 June 2021) [Pediatric pulmonary 2021.jpg](#)
13. **PHS 2020** (Personalized medicine: a challenge healthcare model for human wellness) Webinar (28-29 November 2020)
14. Conference Name: **2nd PUA International Conference on “Multidisciplinary Approaches in Pharmaceutical Sciences”**.
Location: Pharos University, Alexandria (10 March 2020)
15. Conference Name: **" Pharmaceutical & Healthcare Sciences PHS 2019 "**.
Location: Hilton Alexandria Green Plaza (6-7 November; 2019) [PHS-2019.jpg](#)
16. Conference Name: **"Africa talks Education"**.
Location: Bibliotheca Alexandrina. (24 September; 2019)
17. Conference Name: **"1st Scientific Forum for graduate Studies"**.
Location: Faculty of Pharmacy, Alexandria, Egypt. (2 May; 2019)
18. Conference Name: **4th Forum of Pediatrics 2018" Updated Pediatric Clinical Practice"** speaker in the scientific sessions "Alternative Therapy"
Location: Alexandria, Egypt. (From 3 to 6 October; 2018)
19. Conference Name: **4th international conference and Exhibition on Natural Products, Medicinal Plants & Marine Drugs "Natural Products 2018"**.
Presented a poster, Rome, Italy. (From 11 to 12 June; 2018) [natural products-2018.jpg](#)
20. Conference Name: **5th international conference for Quality Assurance of Education "Reflections, Prospects and Prospects"** National Authority for Quality Assurance and Accreditation of Education
Location: Cairo, Egypt. (From 22 to 23 April; 2018)
21. Conference Name: **BioVision Alexandria**
Location: Alexandria, Egypt. (From 20 to 22 April; 2018)
22. Participated as a member of the evaluation committee in **“Encephalon projects”** organized by the general collections and services department, Bibliotheca Alexandrina 2017
23. **5th annual Scientific conference of Faculty of Pharmacy, Alexandria University**
Location: Faculty of Pharmacy, Alexandria University, Egypt
(From 27 to 28 November; 2017)
24. Conference Name: **EPSF 22nd annual national congress**, speaker in the scientific sessions "Alternative Medicine"
Location: Damanhour, Egypt. (From 11 to 14 October; 2017)

25. Conference Name: **BioVision Alexandria** (New Life Sciences: The Road Ahead).
Location: Alexandria, Egypt. (From 12 to 14 April; 2016)
26. Speaker in **Scientific conference of Faculty of Pharmacy**, Alexandria University “Improvement of Educational issues”.
Location: Faculty of Pharmacy, Alexandria University, Egypt
(From 15 to 16 November; 2015)
27. Conference Name: **1st PUA international conference** “Advances in Pharmaceutical sciences”. Presented a poster
(Phytochemical screening and *in vitro* bioscreening of *Berberis vulgaris* and *Ulva lactuca* total extracts and fractions).
Location: Pharos University, Alexandria, Egypt. (From 27 to 29 October; 2015)
28. Conference Name: **1st international conference Health between Nutrition and Treatment**. Presented a poster
Location: Faculty of Pharmacy, Beni-Suef University, Egypt. (From 30 to 31 August; 2015)
(Screening and Evaluation of some herbal mixtures used by Saudi females for enhancing pregnancy incidence).
29. The 1st scientific conference of Hail University and The 6th scientific conference for high educational students in Kingdom Saudi Arabia (15/3/2015).
30. The 5th scientific conference for high educational students in Kingdom Saudi Arabia (17/3/2014).
31. 4th National Quality conference, Hail University, Saudi Arabia,
(From 3 to 6 February 2013)
32. Conference Name: Bioconference live " life Sciences"
(From 26 to 27 October; 2011)
33. Conference Name: Scientific conference of Faculty of Pharmacy, Alexandria University entitled “Improvement of Educational issues”.
Location: Faculty of Pharmacy, Alexandria University, Egypt (From 15 to 16 September; 2010)
34. Conference Name: **International Pharmacy Conference** (Recent advances in pharmaceutical research and technology). Presented a poster
Location: Beirut Arab University, Lebanon (From 6 to 7 May; 2010)

35. Conference Name: **9th International Conference in Science of Botanicals, ICSB** Presented a poster
Location: Oxford, USA (From 12 to 16 April; 2010)
36. Conference Name: **BioVision Alexandria** (New Life Sciences: Future Prospects). Presented a poster
Location: Alexandria, Egypt. (From 11 to 15 April; 2010)
37. Conference Name: **Biovision Alexandria (From Promises to Practice)**.
Location: Alexandria, Egypt. (From 12-16 April; 2008)
38. Conference Name: **The British Pharmaceutical Conference**137th
Presented a poster
Location: Birmingham, England, UK (From 10 - 13 September 2000)

LIST OF PUBLICATIONS

- 1- El-Sayed Khafagy, Gamal A. Soliman, Ahmad Abdul-Wahhab Shahba, Mohammed F. Aldawsari, Khalid M. Alharthy, Maged S. Abdel-Kader and Hala H. Zaatout **“Brain Targeting by Intranasal Drug Delivery: Effect of different Formulations of the Biflavone “Cupressuflavone” from Juniperus Sabina L. on the Motor Activity of Rats”** *Molecules* 2022, 27, x. <https://doi.org/10.3390/xxxxx>
- 2- Reham S. Ibrahim Asmaa Khairy, Hala M. Hammoda, Hala H. Zaatout **“Forecasting of potential anti-inflammatory targets of some immunomodulatory plants and their constituents using *in vitro*, molecular docking and network pharmacology based analysis”** *Separations* ISSN 2073-4344
- 3- Asmaa Khairy, Hala M. Hammoda, Ismail Celik, Hala H. Zaatout, Reham S. Ibrahim **“Discovery of potential natural dihydroorotate dehydrogenase inhibitors and their synergism with brequinar via integrated molecular docking, dynamic simulations and *in vitro* approach”** *Scientific Reports* 2022 12:19037
<https://doi.org/10.1038/s41598-022-23006-1> ISSN:2045-2322
- 4- Hala H. Zaatout, Hend A. Al-koriety, Gamal A. Omran, Amira M. Beltagy **“Profiling of the essential oil of *Murraya Paniculata* Cultivated in Egypt over Four Different Seasons Using Gas Chromatography-Mass**

Spectrometry and Screening Antimicrobial and Anticancer Activities”
Egyptian Journal of Chemistry 2023 Available Online from 27 August 2022
<https://doi.org/10.21608/ejchem.2022.148077.6408> ISSN: 0449-2285

- 5- Mohammed H. Alqarni, Faiyaz Shakeel, Tariq M. Aljarba, Maged S. Abdel-Kader, Hala H. Zaatout, Sultan Alshehri and Prawez Alam “**Determination of Colchicine in Pharmaceutical Formulations, Traditional Extracts, and Ultrasonication-Based Extracts of Colchicum autumnale Pleniflorum (L.) Using Regular and Greener HPTLC Approaches: A Comparative Evaluation of Validation Parameters”** *Plants* 2022, 11, 1767
<https://doi.org/10.3390/plants11131767> ISSN: 2223-7747
- 6- Prawez Alam, Mazen T. Alanazi, Hala H. Zattout, Mohammed H. Alqarni & Maged S. Abdel-Kader "Densitometric high-performance thin layer chromatography methods for the quantification of oleuropein in *Olea europaea* leaves and pharmaceutical preparation utilizing normal- and reversed phase silica gel plates" *JPC – Journal of Planar Chromatography – Modern TLC* (2021) 33:609–616
[DOI 10.1007/s00764-020-00066-5](https://doi.org/10.1007/s00764-020-00066-5) ISSN 0933-4173
- 7- Nesrine elmezayen, Reham S.Ibrahim, Asmaa Khairy, Hala H Zaatout, Hala M Hammoda, Aly M Metwally. "Biologically Guided Isolation of Natural Lead Antithyroid Drug from *Medicago sativa* L. Sprouts and Its Toxic Profile in Comparison with Propylthiouracil" *Journal of Food and Drug Analysis* 28(3), 407-448 (2020).
<https://doi.org/10.38212/2224-6614.1242> ISSN: 2224-6614
- 8- Reham S. Ibrahim, Asmaa Khairy, Hala H. Zaatout, Hala M. Hammoda, Aly M. Metwally, Asmaa M. Salman (2020) "Chemometric evaluation of alfalfa sprouting impact on its metabolic profile using HPTLC fingerprint-efficacy relationship analysis modelled with partial least squares regression" *Journal of Pharmaceutical and Biomedical Analysis* , 179, 112990
doi.org/10.1016/j.jpba.2019.112990 ISSN:0731-7085 E-ISSN:1873-264X
- 9- Reham S. Ibrahim, Hala H. Zaatout (2019) "Unsupervised pattern recognition chemometrics for distinguishing different Egyptian olive varieties using a new integrated densitometric-RP-HPTLC-image analysis technique." *Journal of Planar Chromatography - Modern TLC*. 32(6), pp. 453–460

doi.org/10.1556/1006.2019.32.6.2 ISSN NO: 0933-4173

- 10- EH Radwan, Hala H Zaatout, Mohamed M Elghazaly, Nour Eldien Allam (2019) "**Interaction Between Ator and Fennel in the Treatment of Obesity in Rats**" *Journal of Obesity Management* 1(3):6-23

ISSN NO: 2574-450X

[DOI : 10.14302/issn.2574-450X.jom-19-2852](https://doi.org/10.14302/issn.2574-450X.jom-19-2852)

- 11- DA Ghareeb, A Abd-Elgwad, N El-Guindy, G Yacout, HH Zaatout (2019) "**Ulva lactuca methanolic extract improves oxidative stress-related male infertility induced in experimental animals.**" *Archives of physiology and biochemistry*, Published Online: 31 Jul 2019

doi.org/10.1080/13813455.2019.1645698 , ISSN: 1381-3455

- 12- Prawez Alam, Maged S. Abdel-Kader, Mohammed H. Alqarni, Hala H. Zaatout, Syed Rizwan Ahamad, Faiyaz Shakeel (2019). **Chemical composition of fennel seed extract and determination of fenchone in commercial formulations by GC–MS method.** *Journal of Food Science and Technology* 2019, 56 (5):2395–2403

<https://doi.org/10.1007/s13197-019-03695-9> ISSN: 0022-1155

- 13- Doaa A. Ghareeb, Hala H. Zaatout, Amany Ismael, Alshimaa Abd-Elgwad (2019). **Phytochemical, antioxidant and anti-inflammatory screening of the Egyptian Ulva lactuca methanolic extract.** *Records of pharmaceutical and biomedical sciences* 3(2), 33- 38

[DOI: 10.21608/RPBS.2019.12251.1032](https://doi.org/10.21608/RPBS.2019.12251.1032)

- 14- Hala H. Zaatout (2019). **Insight in Some Herbals and Herbal Combinations Used by Saudi Females for Improving Fertility and Enhance Pregnancy.** *Records of pharmaceutical and biomedical sciences* 3(1), 44-48

<https://dx.doi.org/10.21608/rpbs.2019.11635.1028>

- 15- Nawal A. Elghazaly, Hala H. Zaatout, Eman H. Radwan, Mohamed M. Elghazaly and Eman A. Elsheikha (2019) "**Trigonella Foenum Graecum Extract Benefits on Hematological, Biochemical and Male Reproductive System of as a Complementary Therapy with Glimepiride in Treating Streptozotocin Induced Diabetic Rats**" *Journal of Bioinformatics and diabetes* Vol-1 Issue 3 (45-59)

<https://doi.org/10.14302/issn.2374-9431.jbd-19-2613>

- 16- Nawal A. Elghazaly, Eman H. Radwan, Hala H. Zaatout, Mohamed M. Elghazaly, Nour El din Allam (2019) **"Beneficial Effects of Fennel (*Foeniculum Vulgare*) in Treating Obesity in Rats"** *Journal of obesity management* 1(2), 16-33

<https://doi.org/10.14302/issn.2574-450X.jom-18-2484>

- 17- Ibrahim, R. S., Khairy, A., Zaatout, H. H., Hammoda, H.M. and Metwally, A. M. (2018). **Digitally-optimized HPTLC coupled with image analysis for pursuing polyphenolic and antioxidant profile during alfalfa sprouting.** *Journal of Chromatography B*, 1099, 92-96

<https://doi.org/10.1016/j.jchromb.2018.09.021> ISSN: 1570-0232

- 18- Praweze Alam, Y.T. Kamal, Mohammed H. Alqarni, Hala H. Zaatout, and Maged S. Abdel-Kader (2018) **"Reversed-Phase High-Performance Thin-Layer Chromatographic Method for the Simultaneous Determination of Glycyrrhizin and Glabridin Biomarkers in *Glycyrrhiza glabra* Roots, Rhizomes and Herbal Formulations"** *Journal of Planar Chromatography* 31 2, 135–142

<https://doi.org/10.1556/1006.2018.31.2.7> ISSN NO: 0933-4173

- 19- Praweze Alam, Ahmed I. Foudah, Hala H. Zaatout, Kamal Y T and Maged S. Abdel-Kader (2017) **"Quantification of Glycyrrhizin biomarker in *Glycyrrhiza glabra* rhizome and baby herbal formulation by validated RP-HPTLC methods."** *African Journal of Traditional, Complementary and Alternative Medicines* 14(2):198-205

<https://doi.org/10.21010/ajtcam.v14i2.21> ISSN NO: 0189-6016

- 20- Reham Mustafa, Hattem Mekky, EMB El-Nagar, Hala Zaatout and Fathy El-Fiky (2015) **"Effect of suspension culture on Basil and Anise essential oils composition and comparison of their cytotoxic, immunostimulant and antioxidant activities"** *Journal of Pharmaceutical Biology* 5(4), 295-300.

ISSN - 2249-7579

- 21- "C-flavonoidal glycosides from *Erythrina caffra* flowers" *Natural Product Sciences* Volume 16, Issue 4, Pages 217-222(2010), Sawsan El-Masry, Hala M. Hammoda, Mohamed M. Radwan, Samir A. Ross and Hala H. Zaatout.

ISSN 1226-3907 <http://www.scopus.com/inward/record.url?eid=2-s2.0-79957620625&partnerID=MN8TOARS>

- 22- "Constituents of *Erythrina caffra* Stem Bark Grown in Egypt." *Natural Product Sciences* Volume 16, Issue 4, Pages 211-216(2010), Sawsan El-Masry, Hala M. Hammoda, Hala H. Zaatout, Saleh I. Alqasoumi, and Maged S. Abdel-Kader <http://www.scopus.com/inward/record.url?eid=2-s2.0-79957600637&partnerID=MN8TOARS>

ISSN 1226-3907

- 23- "Flavone glycosides from *Erythrina caffra* (Fabacea)." *Planta Medica*, Volume 76, Pages 534-535 (2010), El-Masry, S., Hamoda, H., Radwan, M. M., Ross, S.A. and Zaatout, H.H. **IF 2.746 ISSN: 0032-0943**

- 24- "Prenylated flavonoids of *Erythrina lysistemon* grown in Egypt." *Phytochemistry*, Volume 60, Issue 8, Pages 783-787 (2002), El-Masry, S., Amer, M. E., Abdel-Kader, M. S. and Zaatout, H. H.

[https://doi.org/10.1016/S0031-9422\(02\)00202-9](https://doi.org/10.1016/S0031-9422(02)00202-9) ISSN: 0031-9422

- 25- "Prenylated flavonoids of *Erythrina lysistemon* grown in Egypt." *J. Pharm. Pharmacol* 52, Supplement 258 S (2000) Sawsan El-Masry, Masouda E. Amer, Maged S. Abdel-Kader and Hala H. Zaatout. **ISSN:2042-7158**

Posters:

1. Poster Title: The Use of Regular and Greener HPTLC Approaches for Determination of Colchicine in Pharmaceutical Formulations, and *Colchicum autumnale* Different Extracts at **2nd international conference & exhibition on pharmaceutical & healthcare sciences** 23-24 November 2022, Alexandria, Egypt <https://phs-eg.com/abstract-booklet/>
2. Poster Title: Tissue culture study and biological screening of *Lagenaria siceraria*" at **3rd PUA International conference on "Innovation in Pharmaceutical Sciences"** 14 May 2022, Pharos University, Alexandria, Egypt [IC-IPS-2022-Poster.jpg](#)
3. Poster Title: "Determination of Oleuropein and unsupervised pattern recognition chemometry of nine olive leaves chemovarieties cultivated in Egypt using new integrated densitometric-RP-HPTLC-image analysis" at **2nd PUA International**

Conference on “Multidisciplinary Approaches in Pharmaceutical Sciences”
10 March, 2020 [Icmaps2020-poster.jpg](#)

4. Poster Title: "Simultaneous determination of Oleuropein biomarker by validated RP-HPTLC method in nine varieties of olive leaves cultivated in Egypt" at **the international conference on Pharmaceutical & Healthcare Sciences PHS2019** " From 6-7 November; 2019
5. Poster Title: Comparative *in vivo* antidiabetic evaluation of Glimepiride, Fenugreek and their combination in Streptozotocin induced diabetic rats. **4th international conference and Exhibition on Natural Products, Medicinal Plants & Marine Drugs "Natural Products 2018"** Published at Rome, Italy, From 11 to 12 June; 2018 [natural products-2018.jpg](#)
6. Poster Title: Phytochemical screening and *in vitro* bioscreening of *Berberis vulgaris* and *Ulva lactuca* total extracts and fractions” Published at **1st PUA international conference “Advances in Pharmaceutical sciences”**, Alexandria, Egypt 27 to 29 October; 2015
7. Poster Title: “Screening and Evaluation of some herbal mixtures used by Saudi females for enhancing pregnancy incidence” Published at **1st international conference Health between Nutrition and Treatment**. From 30 to 31 August; 2015
8. Poster Title: “Constituents from *Erythrina caffra* stem bark grown in Egypt” Published at **International Pharmacy Conference** in Beirut Arab University, Lebanon. From 6 to 7 May; 2010
9. Poster Title: “Flavone glycosides from *Erythrina caffra*” Published at **9th International Conference in Science of Botanicals in Oxford, USA**. From 12 to 16 April; 2010
10. Poster Title: “Bioactive isoflavonoids from the leaves of *Glycyrrhiza glabra* L. growing in Egypt” Published at **BioVision Alexandria 2010** in Alexandria, Egypt. From 11 to 15 April; 2010
11. Poster Title: “Bioactive compounds from the fruits of *Nerium oleander* L. cultivated in Egypt” Published at **BioVision Alexandria 2010** in Alexandria, Egypt. From 11 to 15 April; 2010
12. Poster Title: “Prenylated flavonoids of *Erythrina lysistemon* grown in Egypt” Published at **The British Pharmaceutical Conference 137th** in Birmingham, England, UK. From 10 - 13 September 2000