

Name	Dr. Zeinab Talaat Abdel Shakour <i>Asso. Prof. of Pharmacognosy</i>	
Birth date	12/11/1977	
Address	41 El Bassra Street, El Mohandseen, Giza, Egypt	
Nationality	Egyptian	
Marital status	Married	
Mobile no.	01006583070	
E-mail	zizishakour@yahoo.com	
Education and scientific degrees		
<ul style="list-style-type: none"> • B. Sc. Pharmaceutical sciences, Faculty of Pharmacy, Cairo University, May 2000 • M. Sc. Pharmacognosy Department, Faculty of Pharmacy, Cairo University, 2007. "Phytochemical Study of Certain Species of <i>Vitis vinifera</i> L. (grape) , Family Vitaceae Cultivated in Egypt" • Ph. D. Pharmacognosy Department, Faculty of Pharmacy, Cairo University, 2011. "Phytochemical and Biological Study of <i>Albizzia lebeck</i> L. Grown in Egypt" • Good Manufacturing Practice Diploma, Egyptian Pharmacist Syndicate, 1/10/2017 to 31/12/2017. 		
History of employment		
<ul style="list-style-type: none"> • Quality control analyst, National Organization for Drug Control and Research, from 2001 to 2003. • Research assistant (demonstrator), National Organization for Drug Control and Research, from 2003 to 2007. • Assistant researcher, National Organization for Drug Control and Research, from 2007 to 2011. • Researcher, National Organization for Drug Control and Research, from 2011 to 2017. 		

- Associate professor, National Organization for Drug Control and Research, science 2017.

Administrative positions

- Vice-manager of phytochemistry laboratory, from 2007 to 2019.
- Manager of phytochemistry laboratory, since 2019 to 2021.

Scientific conferences

- The 11th Annual Congress of Medical Sciences Medical Research between Theory & Application: "Challenges and Innovations" 17-19/12/2013.
- The 11th National Conference for Biotechnology & Molecular Biology "Diagnostics and health care"; 30/3-1/4(2014)
- Recent Trends in Natural Products Drug Discovery and Analysis in Natural Products Centre at the Faculty of Pharmacy, Cairo University. 8-9/ 12/2014
- 1st Pharma School International Conference of Pharmaceutical Sciences, Faculty of Pharmacy, Mansoura University, Egypt, 15-16/2/2016
- NMR Spectroscopy Mini-Course, First PharmaSchool International Conference of Pharmaceutical Science, Faculty of Pharmacy, Mansoura University, Egypt, 15-16/2/2016.
- "Essential oils and formulation the link between flavor science and pharmaceutical science" 30th of May, 2016.
- The 2nd Symposium of Chemistry of Flavour and Aroma Department "Flavour Technology: Current and Future" 28th of December, 2016.
- "Recent trends in natural product and medicinal plants research" , National Research Centre, Giza, Egypt, 4th of March, 2019.
- The 2nd Conference for the national committee for women in sciences "the role of scientific women in the achievement of development-Egypt 2030- " 8th of September 2021.

Training course

- Training course on Polarimeter and Spectrophotometer instrument: National Organization for Drug Control and Research; 23-27/9/2001.

- Training course on Spectrophotometer instrument: National Organization for Drug Control and Research; 2-9/9/2001.
- Training course on analysis of finished products e.g. Coli-urinal effervescent: National Organization for Drug Control and Research; 4-8/8/2001.
- Training course on examination of registration files: National Organization for Drug Control and Research; 14-19/7/2001.
- Training course on writing and calculation of the analysis results: National Organization for Drug Control and Research; 29/8/2001-2/9/2001.
- Training course on HPLC instrument, National Organization for Drug Control and Research ;10-11/9/2007
- Scientific Writing in Cairo University Press 10-14/3/2013
- "Designing Scientific Posters" of The further domain "Academic Skills" within The DAAD Kairo Akademie on 16th of December 2014.
- "Teambuilding for Team members "of The further domain "Soft Skills" within The DAAD Kairo Akademie on 1st of September 2015.
- Modern technologies in scientific research in Cairo University Press 29/11/2015-3/12/2015.
- Solid phase extraction as a tool for sample preparation in centre of applied research and advanced studies at the Faculty of Pharmacy, Cairo University on 13 /4/2016.
- PMS documentation awareness and handing of updated documents, National Organization for Drug Control and Research; 21/12/2016.
- "Proposal Writing For Post Docs" within The DAAD Kairo Akademie on 11th 2019
- Egyptian Drug authority training project on dissolution development, center of continuing professional development, Egyptian drug authority, 9/2021.
- General chromatography & new technique of the HPTLC (HPTLC,MS), center of continuing professional development, Egyptian drug authority 21/ 6/2021
- Theoretical and practical approach on HPTLC techniques Training program, center of continuing professional development, Egyptian drug authority 26-28/ 7/2021

Membership in scientific societies

- The Egyptian Scientific Society for Moringa, National Research Centre.
- The Egyptian Botanical Society, botany department, faculty of science, Cairo University.

Participation in supervision

- B. Sc. Thesis of pharmacist/ Hana Mohamed Elgazaly, Faculty of pharmacy, El Azhar University. Discussion was held on 2016.
- B. Sc. Thesis of pharmacist/ Sherif Reda Abdel Aal, Faculty of pharmacy, Helwan University. Discussion was held on 2016.
- B. Sc. Thesis of pharmacist/ Eman Hessin, Faculty of pharmacy, Helwan University. Discussion was held on 2017.
- B. Sc. Thesis of pharmacist/ Eman Mahmoud, Faculty of pharmacy, Ain Shams University. Discussion was held on 2019.
- Ph. D. Thesis of pharmacist/ Sherif Reda Abdel Aal, Faculty of pharmacy, Cairo University. Discussion was held on 2021.
- Ph. D. Thesis of pharmacist/ Hana Mohamed Elgazaly, Faculty of pharmacy, El Azhar University.
- Ph. D. Thesis of pharmacist/ Eman Hessin, Faculty of pharmacy, Cairo University. Discussion was held on 2022.
- Ph. D. Thesis of pharmacist/ Rania Taha, Faculty of pharmacy, Cairo University.

NODCAR Activities

- Contribution of improving analytical methods in phytochemistry laboratory via purchasing instruments *viz.* GC, HPLC.
- Analysis of pharmaceutical preparations containing natural products and raw materials.
- Inspection of scientific files for registration of pharmaceutical products.
- Developing and optimising methods for the analysis of some pharmaceutical products.

Scientific activities

- Membership in the scientific committee of registration science 2019.
- Membership in the committee for inspecting OOS (out of specifications) samples for pharmaceutical preparations containing natural products and raw materials, from 2013 to 2014.
- Membership in the committee for inspecting OOS (out of specifications) samples for pharmaceutical preparations containing natural products and raw materials, from 2014 to 2017.
- Membership in the committee for choosing demonstrator 2015
- Membership in the committee for choosing demonstrator 2017
- Membership in the committee for choosing demonstrator 2019
- Membership in the committee for inspecting OOS (out of specifications) samples for pharmaceutical preparations containing natural products and raw materials, from 2017 up 2022.
- **Teaching:** syllabus of medicinal plants, for second year students of Faculty of pharmacy, MTI University, 2019.

PUBLICATIONS

- S. El- Hawary S, El- Fouly k, El Gohary HM, Meselhy KM, Slem A and [Talaat Z.](#) Phytochemical and Biological Investigation of *Vitis vinifera* L. (Flame cultivar), Family Vitaceae Cultivated in Egypt. Nature and Science 2012;10(10) 48-59.
- S. El-Hawary, K. El-Fouly, N.M. Sokkar and [Z. Talaat.](#) A Phytochemical Profile of Albizia lebbeck (L.) Benth. Cultivated in Egypt, Asian Journal of Biochemistry; Year: 2011 Volume: 6 Issue: 2 Page No.: 122-141.
- Nadia M. Sokkara,b, Seham M. El- Hawary, b, Amany M. Sleme and [Zeinab Talaat.](#) The Phenolic Composition of the Hepatoprotective and Antioxidant Fractions of Albizia lebbeck L. Quim. Nova, Vol. 39, No. 8, 973-978, 2016.
- Sawsan S. Sayd and [Zeinab T. Abd El Shakour.](#) Phenolic Content and Related Antioxidant Activities in in vitro Cultures of *Cephalotaxus harringtonia* L. Grown in Egypt. Life Science Journal 2014;11(11).
- Essam M. Abdel -Kader and [Zeinab T. Abdel Shakour,](#) Phytochemical and Cytotoxicity Investigations of *Dillenia Indica* L. Grown in Egypt, World Journal of Pharmaceutical Research (WJPR) 4(10)2015, 334-348.
- KF and [Shakour ZTA.](#) Chemical Composition and Antibacterial Activity of Volatile Oil of *Sequoia sempervirens* (Lamb.) Grown in Egypt Taha, Med Aromat Plants 2016, 5:3.
- [Zeinab T. Abd El Shakour.](#) Cytotoxic Activity and HPLC-ESI-MS Analysis of Alkaloids in *Cephalotaxus harringtonia* L. Grown in Egypt New York Science Journal 2014;7(9).
- Amel M Kamal, [Zeinab T Abdel Shakour,](#) Sherif R Abdel All, Amany A Sleem, Eman G Haggag Phytochemical Study and Biological Activity of Leaves and Flowers of *Ipomoea carnea* Jacq grown in Egypt, 1st PharmaSchool International Conference of Pharmaceutical Sciences; 15-16/2/2016.
- Mona E. El-Tantawy, Magda T. Ibrahim, Dina M. Yousry, [Zeinab T. Abdel Shakour,](#) Gehad A. Abdel Jaleel, Hana M. El Ghazaly, Phytochemical investigation and biological activity of *Erythrina corallodendrum* L.(Family Fabaceae), The 13th National Conference for Biotechnology &Molecular Biology in Diagnosis and Treatment 23-24/3/2016.
- Amel M Kamal, [Zeinab T Abdel Shakour,](#) Sherif R Abdel All, Amany A Sleem, Eman G Haggag, Phytochemical and Biological Investigation of *Ipomoea carnea* Jacq. Grown in Egypt, International Journal of Pharmacognosy and Phytochemical Research 2017; 9(2); 266-281.
- KF and [Shakour ZTA.](#) Phytochemical Profile of *Sequoia sempervirens* Grown in Egypt. IJPSR (2017), Vol. 8, Issue 3.

- Mona E. El-Tantawy, Magda T. Ibrahim, Dina M. Yousry, [Zeinab T. Abdel Shakour](#), Gehad A. Abdel Jaleel, Hana M. El Ghazaly, Phenolic Content of *Erythrina Corallodendrum* L. Leaves and its Antioxidant, Anti-Inflammatory, Anticancer and Hepatoprotective Activities, *Journal of Pharmacy Research* 2016,10(11),753-763.
- Reda, E., Saleh, I., El Gendy, A. N., [Talaat, Z.](#), Hegazy, M. E., & Haggag, E. (2017). Chemical constituents of *Euphorbia sanctae-catharinae* Fayed essential oil: a comparative study of hydro-distillation and microwave-assisted extraction. *Journal of Advanced Pharmacy Research*, 1(3), 155-159.
- Kabbash, E. M., Ayoub, I. M., [Abdel-Shakour, Z. T.](#), & El-Ahmady, S. H. (2019). A Phytochemical Study on *Olea europaea* L. Olive Leaf Extract (cv. Koroneiki) growing in Egypt. *Archives of Pharmaceutical Sciences Ain Shams University*, 3(1), 99-105.
- Sokkar, N.M., Eid, B.G., [Shakour, Z.T.A.](#) E., Badiab, A., El-Shitany, N.A., 2020. Kola Nitida Leaf Phytoconstituents and Its Hepatoprotective, Antidiabetic, and Antihyperlipidemic Efficacy. *International Journal Of Pharmaceutical And Phytopharmacological Research* 10(5), 87-95.
- Hegazy, M. E., Hamed, A., Ibrahim, M., [Talat, Z.](#), Reda, E., Abdel-Azim, N., & Paré, P. (2018). Euphosantianane A-D: Antiproliferative Premyrinane Diterpenoids from the Endemic Egyptian Plant *Euphorbia Sanctae-Catharinae*. *Molecules*, 23(9), 2221. **IF: 4.411**
- Farag, M. A., & [Shakour, Z. T. A.](#) (2019). Metabolomics driven analysis of 11 *Portulaca* leaf taxa as analysed via UPLC-ESI-MS/MS and chemometrics. *Phytochemistry*, 161, 117-129. **IF: 3.90**
- [Shakour ZTA](#), Fayek NM, Farag MA. How do biocatalysis and biotransformation affect Citrus dietary flavonoids chemistry and bioactivity? A review. *Crit Rev Biotechnol*. 2020 Aug; 40(5):689-714. **IF: 8.108**
- Rasheed DM, Serag A, [Abdel Shakour ZT](#), Farag M. Novel trends and applications of multidimensional chromatography in the analysis of food, cosmetics and medicine bearing essential oils. *Talanta*. 2021 Feb 1;223(Pt 1):121710. doi: 10.1016/j.Talanta.2020.121710. Epub 2020 Sep 29. PMID: 33303160. **IF: 5.339**
- Farag MA, [Shakour ZT](#), Lübken T, Frolov A, Wessjohann LA, 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 Pharm Biomed Anal*. 2021 Jan 30;193:113727. doi: 10.1016/j.jpba.2020.113727. Epub 2020 Nov 2. PMID: 33197832. **IF: 3.78**

- Abdel-All SR, [Shakour ZTA](#), Abouhoussein DMN, Reda E, Sallam TF, El-Hefnawy HM, Abdel-Monem AR. Phytochemical and Biological Evaluation of a Newly Designed Nutraceutical Self-Nanoemulsifying Self-Nanosuspension for Protection and Treatment of Cisplatin Induced Testicular Toxicity in Male Rats. *Molecules*. 2021 Jan 14;26(2):408. [IF: 4.411](#)
- Atia, M.A.M., El-Moneim, D.A., Abdelmoneim, T.K., Reda, E.H., [Shakour, Z.T.A.](#), El-Halawany, A.M., El-Kashoury, E.-S.A., Shams, K.A., Abdel-Azim, N.S., Hegazy, M.-E.F., 2021. Evaluation of genetic variability and relatedness among eight *Centaurea* species through CAAT-box derived polymorphism (CBDP) and start codon targeted polymorphism (SCoT) markers. *Biotechnology & Biotechnological Equipment* 35(1), 1230-1237. [IF: 1.632](#)
- Kabbash, E. M., Ayoub, I. M., Gad, H. A., [Abdel-Shakour, Z. T.](#), & El-Ahmady, S. H. (2021). Quality assessment of leaf extracts of 12 olive cultivars and impact of seasonal variation based on UV spectroscopy and phytochemical content using multivariate analyses. *Phytochemical Analysis*. [IF: 3.373](#)
- Reda, E. H., [Shakour, Z. T. A.](#), El-Halawany, A. M., El-Kashoury, E. S. A., Shams, K. A., Mohamed, T. A., ... & Hegazy, M. E. F. (2021). Comparative Study on the Essential Oils from Five Wild Egyptian *Centaurea* Species: Effective Extraction Techniques, Antimicrobial Activity and In-Silico Analyses. *Antibiotics*, 10(3), 252. [IF: 4.36](#)
- [Shakour, Z. T.](#), Shehab, N. G., Gomaa, A. S., Wessjohann, L. A., & Farag, M. A. (2021). Metabolic and biotransformation effects on dietary glucosinolates, their bioavailability, catabolism and biological effects in different organisms. *Biotechnology Advances*, 107784. [IF: 14.227](#)
- [Shakour, Z. T.](#), & Farag, M. A. (2021). Diverse host-associated fungal systems as a dynamic source of novel bioactive anthraquinones in drug discovery: current status and future perspectives. *Journal of Advanced Research*. [IF: 10.479](#)
- Farag, M. A., [Shakour, Z. T. A.](#), Elmassry, M. M., & Donia, M. S. (2022). Metabolites profiling reveals gut microbiome-mediated biotransformation of green tea polyphenols in the presence of N-nitrosamine as pro-oxidant. *Food Chemistry*, 371, 131147. [IF: 9.231](#)
- [Shakour, Z. T. A.](#), Radwa, H., Elshamy, A. I., El Gendy, A. E. N. G., Wessjohann, L. A., & Farag, M. A. (2022). Dissection of *Moringa oleifera* leaf metabolome in context of its different extracts, origin and in relationship to its biological effects as analysed using molecular networking and chemometrics. *Food Chemistry*, 133948. [IF: 9.23](#)