



# Prof. Yosra Shaaban Rabea Elnaggar

POSITION: Professor

## Personal Data

Nationality | Egyptian

Date of Birth | 09/01/1982

Department | Pharmaceutics

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Office Phone No. | 35554

## Language Proficiency

Language	Read	Write	Speak
Arabic	advanced	advanced	advanced
English	advanced	advanced	advanced
Others			

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
December 2020	Professor of Pharmaceutics	Faculty of Pharmacy Alexandria university	Egypt
December 2015	Associate professor of pharmaceutics	Faculty of Pharmacy Alexandria university	Egypt
September 2010	PhD in pharmaceutics (Nanotechnology) (Assistant professor)	Faculty of Pharmacy Alexandria university	Egypt
August 2007	Master of Pharmaceutical sciences (Pharmaceutics); Lecturer	Faculty of Pharmacy Alexandria university	Egypt
January 2005	Bachelor of Pharmaceutical Sciences	Faculty of Pharmacy Alexandria university	Egypt



**PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)**

PhD	"Development and Evaluation of Some New Disperse Drug Delivery Systems Using Nanotechnology"
Master	Development and Evaluation of Selected Oral Dosage Forms
Fellowship	

**Professional Record: (Beginning with the most recent)**

Job Rank	Place and Address of Work		Date
Professor of Pharmaceutics		College of Pharmacy Imam Abdulrahman Bin Faisal University	21/8/2025-present
Professor of Pharmaceutics		Faculty of Pharmacy Pharos University in Alexandria -Egypt	2020-20/8 2025
Associate professor of Pharmaceutics		Faculty of Pharmacy Pharos University in Alexandria -Egypt	2016-2020
Associate professor of Pharmaceutics		Faculty of Pharmacy Alexandria University-Egypt	2015-2016
Assistant professor of pharmaceutics		Faculty of Pharmacy Alexandria University-Egypt	2010-2015
Lecturer and assistant lecturer of pharmaceutics		Faculty of Pharmacy Alexandria University-Egypt	2004-2010

**Administrative Positions Held: (Beginning with the most recent)**

Administrative Position	Office	Date
Head of RIPA (Research & International Publishing Administration)-	Pharos University in Alexandria Egypt	2024-2025
University coordinator of international publishing affairs-	Pharos University in Alexandria Egypt	2023-2024
Executive manager of international publication and nanotechnology consultation center (INCC)-	Faculty of Pharmacy- Pharos University in Alexandria	2019-2025



Executive director of central research laboratory-faculty of pharmacy and drug manufacturing-	Faculty of Pharmacy- Alexandria University.	2012-2013:
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### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Yosra SR Elnaggar (PI), Mariam Zewail, Eman M Salem, Wafaa Yahia Alghonemy, Nevien M Ahmed, Omnia M Abdelfatah, Rania A Hanafy, Mona A Moustafa.	Development and appraisal of Luteolin-loaded nanohyalurosomes as a sustainable tissue engineering nanotherapy for treatment of periodontitis: Biochemical and biological investigations.	Journal of Drug Delivery Science and Technology. Volume 117, March 2026, 107957 جامعة الإمام عبدالرحمن بن فيصل IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY
2	Lamiaa R Abdelalim, Yosra SR Elnaggar (PI), Ossama Y Abdallah.	Pectin-stabilized nanoceria double coated with lactoferrin/chitosan for management of experimental autoimmune encephalomyelitis.	Colloids and Surfaces B: Biointerfaces. Volume 245, January 2025, 114271
3	Lamiaa R Abdelalim, Yosra SR Elnaggar (PI), Ossama Y Abdallah.	Pectin-stabilized nanoceria double coated with lactoferrin/chitosan for management of experimental autoimmune encephalomyelitis.	Colloids and Surfaces B: Biointerfaces.245. 114271.2025
4	Wagdy M Eldehna, Haytham O Tawfik, Mohamed S Nafie, Omkulthom Al Kamaly, Anwar A El-Hamaky, Mahmoud A El Hassab, Zainab M Elsayed, Yosra SR Elnaggar (PI), Ahmed A Al-Karmalawy, Viviana di Giacomo, Marwa Balaha.	Novel benzofuran-conjugated indolin-2-ones as anticancer agents; design, synthesis, biological assessments, and molecular modeling insights.	108494.2025
5	Abdelrahman MM Othman, Ossama Y Abdallah, Yosra SR Elnaggar (PI).	Topical hyalubilosomes of dantrolene sodium as muscle targeted nanocarrier for muscle spasms: fabrication, ex-vivo permeation and behavioral animal model.	Pharmaceutical Development and Technology. 1-14.2025
6	Hadeer M Ezzat, Yosra SR Elnaggar (PI), Amany Abdel Bary, Michael G Shehat, Ahmed A Sobhy, Ossama Y Abdallah.	Dextran sulfate coated ursodeoxycholic acid bilosomes as biomaterial-tethered nanocarrier for boosting up the effect of naringenin for management of atherosclerosis.	International Journal of Biological Macromolecules. 145099.2025
7	Lobna M Khalil, Wessam M El-Refaei, Yosra SR Elnaggar (PI), Maram M Allam, Ossama Y Abdallah.	Development of arsenic nanoparticles: a novel topical therapy for psoriasis enhancing skin deposition and preventing relapse for long-term efficacy in imiquimod-induced rat model.	International Journal of Pharmaceutics. 126020.2025
8	Wagdy M Eldehna, Anwar A El-Hamaky, Simone Giovannuzzi, Zainab M Elsayed, Mahmoud Abdelrahman Alkabbani, Eman F Khaleel, Mohammad M Al-Sanea, Mahmoud F Abo-Ashour, Yosra SR Elnaggar (PI), Alessio Nocentini, Claudiu T Supuran, Haytham O Tawfik.	Development of isatin-functionalized benzenesulfonamides as novel carbonic anhydrase II and VII inhibitors with antiepileptic potential.	European Journal of Medicinal Chemistry.292. 117706.2025



9	Mahmoud MA Ismail, Ossama Y Abdallah, Marwa M Essawy, Yosra SR Elnaggar (PI).	Preparation of Rhein-loaded hyaluolimosomes as a topical nanocarrier for melanoma: physicochemical characterization, ex-vivo permeation and human melanoma cell line studies, A375.	Pharmaceutical Development and Technology. 30(9)- 1359-1371 (2025)
10	Sarah Omran, Yosra SR Elnaggar (PI), Ossama Y Abdallah.	Controlled release, chitosan-tethered luteolin phytocubosomes; Formulation optimization to in-vivo antiglaucoma and anti-inflammatory ocular evaluation.	International Journal of Biological Macromolecules Volume 254, Part 3, , 127930 January (2024)
11	Sally A El-Zahaby, Sherien A Abdelhady, Mennatallah A Ali, Sameh E Younis, Yosra SR Elnaggar (PI).	Limosomes versus hyaluolimosomes loaded with piperine for management of skin cancer.	International Journal of Pharmaceutics . Volume 650, 25, 123730 January (2024)
12	Sara M Talaat, Yosra SR Elnaggar (PI), Mennatallah A Gowayed, Samar O El-Ganainy, Maram Allam, Ossama Y Abdallah.	Novel PEGylated cholephytosomes for targeting fisetin to breast cancer: in vitro appraisal and in vivo antitumoral studies.	Drug Delivery and Translational Research. Volume 14, pages 433–454, (2024)
13	Lobna M Khalil, Wessam M El-Refaie, Yosra SR Elnaggar (PI), Hamdy Abdelkader, Adel Al Fatease, Ossama Y Abdallah.	Non-invasive caffeinated-nanovesicles as adipocytes-targeted therapy for cellulite and localized fats.	International Journal of Pharmaceutics: X; Volume 7 Pages 100236 (2024).
14	Lamiaa R Abdelalim, Yosra SR Elnaggar (PI), Ossama Y Abdallah.	Lactoferrin, chitosan double-coated oleosomes loaded with clobetasol propionate for remyelination in multiple sclerosis: Physicochemical characterization and in-vivo assessment in a cuprizone-induced demyelination model.	International Journal of Biological Macromolecules Volume 277, Part 1 October 2024, 134144
15	Marya Al Homoud, Stavros-Andreas Logothetis, Yosra SR Elnaggar (PI), Ashraf Farahat.	Assessment of the Cloud Seeding Efficiency over Tom Green County Texas, USA.	Atmosphere 15 (12):1506 2024.
16	Sarah Omran, Yosra SR Elnaggar (PI), Ossama Y Abdallah.	Carrageenan tethered ion sensitive smart nanogel containing oleophytocubosomes for improved ocular luteolin delivery.	International Journal of Pharmaceutics Volume 646, 5, 123482 November (2023)
17	Sara M Talaat, Yosra SR Elnaggar (PI), Samar O El-Ganainy, Mennatallah A Gowayed, Maram Allam, Ossama Y Abdallah.	Self-assembled Fisetin-phospholipid complex: fisetin-integrated phytosomes for effective delivery to breast cancer.	European Journal of Pharmaceutics and Biopharmaceutics. Volume 189, August, Pages 174-188 (2023)
18	Mona A Moustafa, Wessam M El-Refaie, Yosra SR Elnaggar (PI), Nesrine S El-Mezayen, Ashraf K Awaad, Ossama Y Abdallah.	Fucoidan/hyaluronic acid cross-linked zein nanoparticles loaded with fisetin as a novel targeted nanotherapy for oral cancer.	International Journal of Biological Macromolecules. Volume 241, , 124528 30 June (2023)



19	Passant M Elhalmoushy, Manal A Elsheikh, Noura A Matar, Wessam F El-Hadidy, Maher A Kamel, Gamal A Omran, Yosra SR Elnaggar (PI).	Elaboration of novel gel-core oleosomes encapsulating phytoconstituent for targeted topical delivery in a vitiligo-induced mouse model: Focus on antioxidant and anti-inflammatory pathways.	Journal of Drug Delivery Science and Technology. 104119 (2023)
20	Eman Shehataa, Yosra S.R. Elnaggar (PI), Ossama Abdallah.	Pectin coated Nanostructured Lipid Carriers for Targeted Piperine Delivery to Hepatocellular Carcinoma.	International journal of pharmaceutics. 121712 (2022).
21	Passant M Elhalmoushy, Manal A Elsheikh, Noura A Matar, Wessam F El-Hadidy, Maher A Kamel, Gamal A Omran, Yosra SR Elnaggar (PI).	Novel berberine-loaded hyalurosomes as a promising nanodermatological treatment for vitiligo: Biochemical, biological and gene expression studies.	International Journal of Pharmaceutics; 615 ; 121523 (2022).
22	Lobna M Khalil, Ossama Y Abdallah, Yosra SR Elnaggar (PI), Wessam M El-Refaie.	Novel dermal nanobilosomes with promising browning effect of adipose tissue for management of obesity.	Journal of Drug Delivery Science and Technology. 103522.2022
23	Sara M Talaat, Yosra SR Elnaggar (PI), Amany Abdel-Bary, Ossama Y Abdallah.	Novel bio-inspired lipid nanoparticles for improving the anti-tumoral efficacy of fisetin against breast cancer.	International journal of pharmaceutics, 628: 122184.2022
24	Heba MK Ebada, Maha MA Nasra, Yosra SR Elnaggar (PI), Rasha A Nassra, Amany A Solaiman, Ossama Y Abdallah.	Novel rhein integrate transphytosomes as non-invasive local therapy for osteoarthritis to ameliorate cartilage deterioration in MIA-arthritic rats.	Colloids and Surfaces B: Biointerfaces. 202 (111713)-(2021).
25	Samar A Rizk, Manal A Elsheikh, Yosra S R Elnaggar (PI), Ossama Y Abdallah.	Novel bioemulsomes for baicalin oral lymphatic targeting: development, optimization and pharmacokinetics.	Nanomedicine 2021
26	Samar A Rizk, Manal A Elsheikh, Yosra S R Elnaggar (PI), Ossama Y Abdallah.	Nanoemulsomes for Enhanced Oral Bioavailability of the Anticancer Phytochemical Andrographolide: Characterization and Pharmacokinetics.	AAPS PharmSciTech 22 (7), 1-12 (2021).
27	Samar M Etman, Ossama Y Abdallah, Radwa A Mehanna, Yosra SR Elnaggar (PI).	Lactoferrin/Hyaluronic acid double-coated lignosulfonate nanoparticles of quinacrine as a controlled release biodegradable nanomedicine targeting pancreatic cancer.	International Journal of Pharmaceutics Volume 578, 30 March 2020, 119097
28	Samar M Etman, Yosra SR Elnaggar (PI), Ossama Y Abdallah. Fucoidan, a	International journal of biological macromolecules.	Volume 147, 15 March, Pages 799-808; 2020.



	natural biopolymer in cancer combating: From edible algae to nanocarrier tailoring.		
29	Samar M Etman, Ossama Y Abdallah, Yosra SR Elnaggar (PI).	Novel fucoidan based bioactive targeted nanoparticles from Undaria Pinnatifida for treatment of pancreatic cancer.	International Journal of Biological Macromolecules Volume 145, 15 February Pages 390-401;2020.
30	Yosra SR Elnaggar (PI) , Bassma H Elwakil , Salma S Elshewemi, Moustafa Y El-Naggar , Adnan A Bekhit & Zakia A Olama .	Novel Siwa propolis and colistin-integrated chitosan nanoparticles: elaboration; in vitro and in vivo appraisal.	Nanomedicine Volume (15); No (13); 1269-1284; 2020.
31	Heba Ebada, Yosra SR Elnaggar (PI), Maha Nasra, Ossama Abdallah.	Novel rhein phospholipid complex targeting skin diseases; development, in vitro, ex vivo and in vivo studies.	Drug Delivery and Translational Research. 11(3):1107-1118 2020.
32	Lamia R Abdelalim, OY Abdallah, Yosra SR Elnaggar (PI). High efficacy, rapid onset nanobiosomes of sildenafil as a topical therapy for erectile dysfunction in aged rats.	International Journal of Pharmaceutics, 119978 (2020).	—
33	Lamia R Abdelalim, OY Abdallah, Yosra SR Elnaggar (PI).	Oleosomes Encapsulating Sildenafil Citrate as Potential Topical Nanotherapy for Palmar Plantar Erythrodysesthesia with High Ex vivo Permeation and Deposition.	AAPS PharmSciTech 21 (8), 1-9 (2020).
34	Abd El-Rahman MM Othman, Eman MM Shehata, Yosra SR Elnaggar (PI).	Multifaceted implementation of nanotechnology in ameliorating therapeutic efficacy of Soy phytoestrogens: Comprehensive review on the state of art.	Journal of Drug Delivery Science and Technology, 102269; (2020).
35	Samar M.EtmanaRadwa A.MehannabcAmany AbdelBaryd; Yosra S.R.Elnaggar (PI); Ossama Y.Abdallaha.	Undaria pinnatifida fucoidan nanoparticles loaded with quinacrine attenuate growth and metastasis of pancreatic cancer.	International Journal of Biological Macromolecules. (2020).
36	Sara M. Talaata , Yosra S.R. Elnaggar (PI) Ossama Y. Abdallaha	Lecithin microemulsion lipogels versus conventional gels for skin targeting of terconazole: In-vitro, ex-vivo and in-vivo investigation..	AAPS PharmSciTech 20 (4), 161 ;2019.
37	Yosra SR Elnaggar (PI), Sarah Omran, Heba A Hazzah, Ossama Y Abdallah.	Anionic versus cationic bilosomes as oral nanocarriers for enhanced delivery of the hydrophilic drug risedronate International journal of pharmaceutics.	564, , 410-425; 2019.
38	Hadeer M Ezzat, Yosra SR Elnaggar (PI), Ossama Y Abdallah.	Improved oral bioavailability of the anticancer drug catechin using	International journal of pharmaceutics 565, , Pages 488-498; 2019.



		chitosomes: Design, in-vitro appraisal and in-vivo studies.	
39	Alaa Khalifa <sup>1</sup> , Manal A Elsheikh <sup>2</sup> , Amr Khalifa <sup>3</sup> , Yosra S.R. Elnaggar (PI) <sup>4,5*</sup> .	Current strategies for different paclitaxel-loaded Nano-delivery Systems towards therapeutic applications for ovarian carcinoma: A review article.	Journal of Controlled Release Volumes 311–312, Pages 125-137; 2019.
40	Yosra SR Elnaggar (PI); Manal A Elsheikh, Ossama Y. Abdallah.	Phytochylomicron as a Dual Nanocarrier for Liver Cancer Targeting of Luteolin: In-Vitro Appraisal and Pharmacodynamics.	Nanomedicine 13 (2), 209-232 (2018) Available online 4 December 2017.
41	Yosra S.R.	Elnaggar*, Samar M. Etmana ,Doaa A. Abdelmonsif b, Ossama Y. Abdallah.Oral brain targeted microemulsion for enhanced piperine delivery.	AAPS PharmSciTech Vol. 19, No. 8, PP: 3698-3711; November 2018
42	Saly El-Zahaby, Yosra S.R Elnaggar (PI), Ossama Y Abdallah.	Reviewing two decades of nanomedicine implementations in targeted treatment and diagnosis of pancreatic cancer: An emphasis on state of art.	Journal of Controlled release. 293, 10, (21-35) January 2019 . November 2018.
43	Manal A Elsheikh, Yosra SR Elnaggar (PI); Ossama Y. Abdallah.	Bioactive-Chylomicrons for Oral Lymphatic Targeting of Berberine Chloride: Novel flow-blockage assay in Caco-2cell line and tissue-based models.	Pharmaceutical research 35 (1), 18 (2018).
44	Mona A Moustafa, Wessam M El-Refaie, Yosra SR Elnaggar (PI), Ossama Y Abdallah.	Gel in core carbosomes as novel ophthalmic vehicles with enhanced corneal permeation and residence.	International Journal of Pharmaceutics 546 ( 1–2): 166-175 (2018)
45	Sham Fathy, Yosra .R. Elnaggar (PI), Ossama Y. Abdallah.	Elaboration of polymersomes versus conventional liposome for improving oral bioavailability of the anticancer flutamide.	Nanomedicine (Lond.) 13(23), 3025–3036; 2018.
46	Manal A Elsheikh, Yosra R Elnaggar (PI); Dalia A.Hamdy; Ossama Y. Abdallah.	Novel Cremochylomicrons for Improved Oral bioavailability of the Antineoplastic Phytomedicine Berberine Chloride: Optimization and Pharmacokinetics.	International journal of pharmaceutics. 535 )1–2( 316–324 )2018(.Available online 11 November 2017.
47	Mona A Moustafa, Yosra SR Elnaggar (PI), Wessam M El-Refaie, Ossama Y Abdallah.	Hyalugel-integrated Liposomes as a Novel Ocular Nanosized Delivery System of Fluconazole with Promising Prolonged Effect.	International Journal of Pharmaceutics. Oct 4;534(1-2):14-24. )2017( [Epub ahead of print].
48	Yosra S.R.Elnaggar (PI) <sup>1</sup> , 2, Eman MM Shehata <sup>1*</sup> , Saly Galal <sup>1</sup> , Ossama Y. Abdallah <sup>1</sup> .	Self-emulsifying preconcentrates of daidzein–phospholipid	Nanomedicine (Lond) 12( 8): 893-910.) 2017(



		complex: design, in vitro and in vivo appraisal .	
49	May S. Freag1, Yosra S.R.Elnaggar (PI)1, 2*, Doaa A. Abdelmonsif 3, Ossama Y. Abdallah1.	Stealth, biocompatible monoolein-based lyotropic liquid crystalline nanoparticles for enhanced aloe-emodin delivery to breast cancer cells: in vitro and in vivo studies.	International Journal of Nanomedicine 20 (11) ;4799-4818 (2016) DOI: 10.2147/IJN.S111736 URL:
50	May S. Freag1, Yosra S.R.Elnaggar (PI)1, 2*, Doaa A. Abdelmonsif 3, Ossama Y. Abdallah1	Layer -by- Layer coated Lyotropic Liquid crystalline nanoparticles for Active Tumor Targeting of Rapamycin.	Nanomedicine (Lond) 11(22):2975-2996 )2016(.
51	Eman M.M. Shehataa, Yosra S.R. Elnaggara (PI),b*, Saly Galala, Ossama Y. Abdallah.	Self-emulsifying phospholipid pre-concentrates (SEPPs) for improved oral delivery of the anti-cancer genistein: Development, appraisal and ex-vivo intestinal permeation.	International Journal of Pharmaceutics 511 (2016) 745–756.
52	Yosra S.R. Elnaggar (PI) , Sara M. Talaata , Mohammed Bahey-El-Dinc .	Ossama Y. Abdallaha Novel Lecithin-integrated Liquid Crystalline Nanogels for Enhanced Cutaneous Targeting of Terconazole: Development, In-vitro and In-vivo Studies.	International Journal of Nanomedicine. 25; 11:5531-5547 (2016).
53	Wessam M. El-Refaieb, Yosra S.R. Elnaggara* (PI), Magda A. El-Massikb, Ossama Y. Abdallaha..	Novel Self-assembled, Gel-core Hyalurosomes for Non-invasive Management of Osteoarthritis: In-vitro Optimization, Ex-vivo and In-vivo Permeation	Pharmaceutical Research 32:2901–2911 (2015).
54	Yosra S.R. Elnaggara*.	Multifaceted implementations of bile salts in pharmacy: An emphasis on nanomedicine.	International Journal of Nanomedicine 10:3955-3971 (2015).
55	Wessam M. El-Refaiea, Yosra S.R. Elnaggar (PI)b*, Magda A. El-Massika, Ossama Y. Abdallahb.	Novel Curcumin-loaded Gel-Core Hyalurosomes with Promising Burn-Wound Healing Potential: Development, In-vitro Appraisal and In-vivo Studies.	International journal of pharmaceutics 486: 588-98 (2015).
56	Yosra S.R. Elnaggara* (PI), Samar M. Etmana ,Doaa A. Abdelmonsif b, Ossama Y. Abdallaha.	Optimization and In-vivo Appraisal of Piperine-loaded Intranasal Chitosan Nanoparticles as Brain-Targeted Dual Acting Therapy in Alzheimer's disease.	Journal of Pharmaceutical Sciences. 104:3544–3556, 2015).
57	Yosra S.R. Elnaggara*, Samar M. Etmana ,Doaa A. Abdelmonsif b, Ossama Y. Abdallaha.:	Novel Piperine-loaded Tween-integrated Monoolein Cubosomes as Brain-targeted Oral Nanomedicine in Alzheimer's disease Pharmaceutical,	International Journal of Nanomedicine: 10 5459–5473 (2015).



		Biological and Toxicological Studies.	
58	Yosra S.R. Elnaggar*, Wessam M. El-Refaieb, Magda A. El-Massikb, Ossama Y. Abdallaha.	Lecithin-based nanostructured gels for skin delivery: An update on state of art and recent applications.	Journal of Controlled Release 180: 10–24 (2014). 84896837155&
59	Manal A. Elsheikh , Yosra S.R. Elnaggar *, Ossama Y. Abdallah .	Rationale employment of cell culture versus conventional techniques in pharmaceutical appraisal of nanocarriers.	Journal of Controlled Release 194: 92–102 (2014).
60	May S. Freag1, Yosra S.R.Elnaggar1*, Ossama Y. Abdallah.	Lyophilized Phytosomal Nanocarriers (LPNs) as Platforms for Enhanced Diosmin Delivery: Optimization and Ex-vivo Permeation.	International Journal of Nanomedicine 8: 2385–2397 (2013).
61	May S. Freag1, Yosra S.R.Elnaggar1*, Ossama Y. Abdallah.	Development of Novel Polymer-stabilized Diosmin Nanosuspensions: In-vitro Appraisal and Ex-vivo permeation International journal of Pharmaceutics.	454: 462– 471 (2013).
62	Manal A. Elsheikh , Yosra S.R. Elnaggar*, Eman Y. Gohar, Ossama Y.Abdallah.	Nanoemulsion Liquid-preconcentrates for Raloxifene Hydrochloride: Optimization and In-vivo Appraisal.	International Journal of Nanomedicine, 7: 3787–3802 (2012).
63	Yosra. S.R. Elnaggar*, Magda. A. El-Massik, Ossama. Y. Abdallah.	Sildenafil Citrate Nanoemulsion versus Self-nanoemulsifying Delivery Systems: Rationale Development and Transdermal Permeation.	International Journal of Nanotechnology 8 (8-9): 749-763 (2011) {Selected for the release media of that special issue dedicated to nanomedicine}.
64	Yosra. S.R. Elnaggar*, Magda. A. El-Massik, Ossama. Y. Abdallah.	Fabrication, Appraisal, and Transdermal Permeation of Sildenafil Citrate Loaded Nanostructured Lipid Carriers versus Solid Lipid Nanoparticles.	International Journal of Nanomedicine 6: 3195–3205 (2011).
65	Yosra S.R. Elnaggar*, Magda A. El-Massik, Ossama Y. Abdallah, and Abd Elazim R. Ebian.	Maltodextrin: A Novel Excipient Used in Sugar-Based Orally Disintegrating Tablets and Phase Transition Process.	AAPS PharmSciTech. 11(2): 645-651 (2010).
66	Yosra. S.R. Elnaggar*, Magda. A. El-Massik, Ossama. Y. Abdallah.	Self-nanoemulsifying drug delivery systems of tamoxifen citrate: Design and optimization.	International Journal of Pharmaceutics 380 (1-2): 133-141 (2009).



### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Yosra SR Elnaggar, Mariam Zewail, Eman M Salem, Wafaa Yahia Alghonemy, Nevien M Ahmed, Omnia M Abdelfatah, Rania A Hanafy, Mona A Moustafa	Translational Pharmaceutical Nano research for Effective Treatment of Periodontitis	2026
2	Sara M Talaat, Yosra SR Elnaggar, Samar O El-Ganainy, Mennatallah A Gowayed, Maram Allam, Ossama Y Abdallah	Development and investigation of biopolymer integrated nanocarriers for enhanced antitumor activity of selected phytomedicines	2025
	Sarah Omran, Yosra SR Elnaggar, Ossama Y Abdallah.	Development and evaluation of ocular nanodelivery systems loaded with a promising multifunctional drug of herbal origin	2023



Eman Shehataa, Yosra S.R. Elnaggar, Ossama Abdallah	Design and evaluation of targeted nanosystems based on natural carriers for treatment of cancer	2021
Yosra Elnaggar, Basma Hassan	Development of potential vaccine candidates against <i>Schistosoma mansoni</i> using novel delivery systems	2020

### Current Research (candidates)

#	Research Title	Name of Investigator(s)
1	Development of Functionalized Liposomal RNAi Delivery Systems for Targeted Obesity Gene Silencing in Adipose Tissue	Abdallah Aljasser, Mohammed Jaafar, Yosra Elnaggar
2	<b>Rational Development and Appraisal of Drug-Tailored Nanocarrier for improved Cytotoxicity and Safety In cancer Managements</b>	Areej Ibrahim, Rayan Mushtaq, Yosra Elnaggar (plus students)
3	<b>Tailored Nanocarriers for Treatment of oRAL squameous Cell carcinoma</b>	Yosra Elnaggar; Hassan Ghonaim; Wessam El-Refaie; Mona Ashraf
4.	<b>Innovative Nanotechnology Premises For Alveolar bobe Regeneration</b>	Yosra SR Elnaggar, Mariam Zewail, Eman M Salem, Wafaa Yahia Alghonemy, Nevien M Ahmed, Omnia M Abdelfatah, Rania A Hanafy, Mona A Moustafa
5	<b>Innovative integration between Nanotechnology and Pharmacology for treatment of Alzheimer using docking techniques</b>	Yosra SR Elnaggar, Mariam Zewail, Eman Randa Moustafa; Rayan Mushtaq; Mona A Moustafa



## Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	2nd International Conference and Exhibition on Pharmaceutical and Healthcare Sciences (PHS2022)	Hilton Green Plaza, Alexandria – 23–24 November 2022	Attendee
2	Third PUA International Conference IC CAPS (Innovations in Pharmaceutical Sciences)	Pharos University in Alexandria – 14 May 2022	Organizer
3	First Conference in Pharmaceutical Sciences (BUCPS), Badr University in Cairo	Cairo, Egypt – 6 November 2021	Attendee
4	Pharmaconex Exhibition of Industrial Pharmacy	Egypt – October 2021	Attendee
5	11th Pharmacy Day, Faculty of Pharmacy and Drug Manufacturing, PUA	Pharos University in Alexandria – 5 May 2019	Attendee & Student Poster Supervisor
6	Scientific Day of Analytical Chemistry Department	Pharos University in Alexandria – 12 March 2019	Attendee
7	Workshop on Sustainability in Egyptian Universities	Pharos University in Alexandria – 5 March 2019	Attendee
8	Workshop on Blended Learning	Education Development Center, Pharos University – 12 November 2018	Attendee
9	Workshop on Decision Making Skills	Education Development Center – April 2018	Attendee
10	Workshop on Effective Construction of Academic Reference Standards (ARS) for Postgraduate Studies	Quality Affairs Unit, Pharos University – October 2017	Attendee
11	10th Pharmacist Day	Pharos University in Alexandria – 4 May 2017	Student Poster Supervisor
12	Scientific Day of Department of Pharmaceutics and Drug Manufacturing	Pharos University in Alexandria – March 2017	Attendee
13	Ceremony for Accreditation, Faculty of Pharmacy and Drug Manufacturing	Pharos University in Alexandria – 10 May 2016	Attendee
14	9th Pharmacist Day	Pharos University in Alexandria – 5 May 2016	Student Poster Supervisor
15	BioVision Alexandria 2016: New Life Sciences – The Road Ahead	Bibliotheca Alexandria – 12–14 April 2016	Poster Session Reviewer



16	Annual Scientific Day of Faculty of Pharmacy and Drug Manufacturing	Pharos University in Alexandria – 26 April 2016	Attendee
17	Annual Scientific Day of Pharmaceutics Department	Pharos University in Alexandria – 15 March 2016	Attendee
18	Workshop on Interactive Learning and its Techniques	Pharos University in Alexandria – 1 March 2016	Attendee
19	PUA Field Project Discussion Ceremony	Pharos University – 17 February 2016	Attendee
20	First PUA International Conference on Advances in Pharmaceutical Sciences (ICAPS)	Pharos University of Alexandria – 27–28 October 2015	Poster Presentation
21	6th International Congress BioNanoMed 2015	Graz, Austria – 8–10 April 2015	Poster Presentation
22	3rd FUE International Conference of Pharmaceutical Sciences (3rd FUE-ICPS)	Future University, Cairo – 9–11 February 2015	Poster Presentation
23	Research Day for Pharmacy Graduates	Faculty of Pharmacy, Alexandria University – 22 February 2014	Participant
24	5th International Conference on Drug Discovery and Therapy (ICDDT)	Dubai, UAE – 18–21 February 2013	Published Abstract
25	Annual Conference of Alexandria University	Faculty of Medicine, Alexandria University – 27–28 December 2012	Speaker & Abstract Presenter
26	Lecture: Interpretation of Clinical Laboratory Data (Part I)	Faculty of Pharmacy, Alexandria University – 4 November 2012	Attendee
27	Annual Conference of Pharmaceutics Department	Faculty of Pharmacy, Alexandria University – 4 September 2012	Participant
28	BioVision Alexandria 2012: New Life Science – Linking Science to Society	Bibliotheca Alexandria – 22–25 April 2012	Participant
29	Student Scientific Forum: Recent Advances in Pharmacy	Faculty of Pharmacy, Alexandria University – 31 March–2 April 2012	Supervisor & Organizer
30	FUE International Conference on Pharmaceutical Technologies	Future University, Cairo – February 2012	Poster & Abstract Presenter
31	Nanotechnology Advances Conference	Science College, University of Alexandria – November 2008	Participant



## Membership of Scientific and Professional Societies and Organizations

- **Member of Material Science Society- High Institute of Research-Egypt**
- **Editor and Reviewer in Q1 journals indexed in WOS and Scopus such as:**
  1. International Journal of Pharmaceutics
  2. Drug Development and Industrial Pharmacy.
  3. Current Drug Delivery.
  4. Recent Patents in Drug Delivery and Formulation
  5. European Journal of Pharmaceutical Sciences .
  6. Journal of Nanoparticle Research
  7. International Journal of Nanomedicines
  8. Pharmaceutical research
  9. Nanomedicine
  10. Biomaterials
  11. European Journal of Pharmaceutics and Biopharmaceutics
  12. DARU Journal of Pharmaceutical Sciences
  13. Drug Delivery letters
  14. *Artificial cells, NANOMEDICINE and Biotechnology*
  15. International journal of polymeric materials and polymeric nanomaterials
  16. Colloids and surfaces B.
  17. Pharmacy and pharmacology
  18. Peer reviewer in STDF projects 2019
  19. Drug delivery and translational research journal
  20. Scientific reports

## Teaching Activities

### First : Inside IAU

#### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Graduation Project (labs; meetings)	CLPH 507-F1 (3330)	50%
2	Graduation Project (Labs; meetings)	CLPH 507-M1 (3321)	50%
3	Drug delivery systems (Lecture)	PHCT 314-F1 (6169)	50%
4	Drug delivery systems (Lecture)	PHCT 314-M1 (6164)	50%
5	Cosmetic Formulations (Lecture)	PHCT 452-F2-F1 (12858)	30%
6	Cosmetic Formulations (Lecture)	PHCT 452-M1 (12857)	30%

#### Postgraduate



#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Advanced Drug delivery systems		50%
7	Advanced Biopharmaceutics and (Lecture)	PHCT 623-1 (8562)	25%
8	Advanced Biopharmaceutics and (Lecture)	PHCT 623-2 (8563)	25%
9	Seminar series 2 (Lecture)	PHCY 690-1M (10960)	15%
10	Seminar series 2 (Lecture)	PHCY 690-F1 (10957)	15%

### Course coordination

Cosmetic Formulations (Lecture)	PHCT 452-F2-F1 (12858)	30%
Cosmetic Formulations (Lecture)	PHCT 452-M1 (12857)	30%

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To

### Second Teaching outside IAU

	Course content	University	Academic program/Level
1. Pharmacy orientation (Introduction to pharmacy)	-Information resources -Code of ethics / heritage of pharmacy -Routes of administration -Pharmacy careers, organizations -	Alexandria University	Clinical Pharmacy program, first year (Credit hour system).





	interaction; SOAP and FARM notes; interferences of laboratory data; medication errors; medical health problems.		
<b>9. History and Ethics in Pharmacy Practice</b>	Ethics in pharmacy practice Ethics in research (plagiarism) Academic integrity for undergraduate students	Pharos University in Alexandria PUA	Freshmen students (Spring 2016-Present) Credit hour system)
<b>10. Bachelor Graduation Project</b>	1.Nanotechnology in cancer therapy)  2.Nanotechnology in Alzheimers disease therapy	Pharos University in Alexandria PUA	1.Bachelor students (Spring 2015-2016)  2. Bachelor students 2016-2017 Credit hour system)
<b>11. Pharmaceutical terminology</b>	Imperative terms in pharmacy and routes of administration	Pharos University in Alexandria PUA	Freshmen students (2016-2017) Credit hour system)
<b>12 sterile pharmaceutical preparations</b>	Classifications; specifications; components and quality control of parenteral products	Pharos University in Alexandria PUA	Mid-senior students (2016-present) Credit hour system)
<b>13.Advanced pharmaceuticals</b>	Concepts of Advanced drug delivery and nanotechnology/ classed of nanocarriers based on nature and structure/applications of nanotechnology to solve delivery obstacles of drugs	Pharos University in Alexandria PUA	Mid senior students (2017-present) Credit hour system)
<b>14 Orientation to pharmacy</b>	Information resources/routes of administrations/pharmacy domains and carriers	Pharos University in Alexandria PUA	Freshmen students 2020-present Credit hour system)
<b>15. Research methodology and applied data analysis</b>	Concepts of scientific research- Methodology and design of experiment of scientific research based on international criteria. Proper design of experiment Concept of research appraisal Research ethics	Pharos University in Alexandria PUA	Mid senior students- Pharm D clinical (2019-present) Credit hour system)
<b>16. Pharmaceutics III</b>	Appraisal of nanoresearch/types and classifications of	Pharos University in Alexandria	senior students (2021-2022)



	nanocarriers/tailoring of a novel drug delivery system based on classifications of drugs and biopharmaceutical challenges	PUA	Credit hour system)
<b>17. Pharmaceutics II/Drug dosage forms I</b>	Pharmaceutical liquid dosage forms/pharmaceutical solutions	Pharos University in Alexandria PUA	Sophomore students (2021-2022) Credit hour system)
<b>18. Pharmaceutics IV</b>	Sterile pharmaceutical preparations/ injectable and ophthalmic dosage forms	Pharos University in Alexandria PUA	Junior students/2021-2022 Credit hour system)
<b>19. Advanced Drug Delivery systems</b>	Concept of DDS/ Types and classifications of nanocarriers/ Rationale of new generations and appraisal of DDS	Pharos University in Alexandria PUA	Midsenior students /Pharm D and Pharm D clinical bylaws/Fall 2023/2024 Credit hour system

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master	Nanocarriers as Promising Approach in Pharmaceutical Products Development	Faculty of Pharmacy, Alexandria University	Registered Oct 2010; Defended Aug 2012
2	Master	A Novel Drug Delivery Approach for Optimization of the Pharmaceutical Quality of Herbal Drugs	Faculty of Pharmacy, Alexandria University	Registered Oct 2010; Defended May 2013
3	Master	Self-Emulsifying Lipid Dispersion for Poorly-Soluble Phytopharmaceuticals	Faculty of Pharmacy, Alexandria University	Registered Sep 2011
4	Master	Preparation and Evaluation of Gel Microemulsions and Lipogels for Poorly Permeable Drugs	Faculty of Pharmacy, Alexandria University	Registered Sep 2011
5	Master	Design and Characterization of Modified Vesicular Nano Drug Carriers	Faculty of Pharmacy, Alexandria University	Registered Nov 2012



6	PhD	Nano-Structured Systems for Dermal and Transdermal Drug Delivery	Faculty of Pharmacy, Alexandria University	Registered Jan 2013; Defended Feb 2015
7	PhD	Employment of Cell Culture Techniques in Drug Delivery Systems Development	Faculty of Pharmacy, Alexandria University	Registered Jul 2013
8	Master	Nanomedicines for Improving Drug Efficacy in Alzheimer's Disease Therapy	Faculty of Pharmacy, Alexandria University	Registered Jul 2013; Defended Mar 2015
9	PhD	Novel Nano-Systems for Targeted Cancer Therapy	Faculty of Pharmacy, Alexandria University	Registered Mar 2014
10	Master	Polymerosomes versus Lipid Vesicles for Improved Drug Delivery	Faculty of Pharmacy, Alexandria University	Registered Sep 2014
11	Master	Lipid-Polymer Hybrid Nanoparticles for Optimized Drug Delivery	Faculty of Pharmacy, Alexandria University	Registered Oct 2014
12	Master	Gel-Core Liposomes for Improved Drug Delivery	Faculty of Pharmacy, Alexandria University	Registered Apr 2015
13	Master	Chylomicron-Mimicking Nanocarriers to Overcome Drug Delivery Obstacles	Faculty of Pharmacy, Alexandria University	Registered Nov 2017
14	Master	Nanotechnology-Based Enhancement of Phosphodiesterase-5 Inhibitors	Faculty of Pharmacy, Alexandria University	Registered Oct 2017
15	PhD	Nanosystems Based on Marine Natural Products for Tumor Treatment	Faculty of Pharmacy, Alexandria University	Registered Oct 2017
16	PhD	Composite Nanoparticles for Hepatocellular Carcinoma Therapy	Faculty of Pharmacy, Alexandria University	Registered Apr 2018
17	PhD	Biopolymer-Integrated Nanocarriers for Enhanced Anti-Tumor Phytomedicine	Faculty of Pharmacy, Alexandria University	Registered Jul 2018
18	Master	Nanocarriers for Weight Loss and Body Contouring Applications	Faculty of Pharmacy,	Registered Feb 2019



			Alexandria University	
19	PhD	Targeted Nanosystems with Plant-Based Polyphenols for Cancer Therapy	Faculty of Pharmacy, Alexandria University	Registered Jan 2019
20	PhD	Ocular Nano-Delivery Systems with Multifunctional Herbal Drugs	Faculty of Pharmacy, Alexandria University	Registered Apr 2019
21	Master	Nanomedicine-Integrated Phytopharmaceuticals for Skin Disorders	Faculty of Pharmacy, Damanhour University	Registered Sep 2019
22	PhD	Brain-Targeted Nano-Delivery Systems for Multiple Sclerosis	Faculty of Pharmacy, Alexandria University	Registered Mar 2021
23	Master	Local Nanocarriers Encapsulating Muscle Relaxants for Muscle Spasm	Faculty of Pharmacy, Alexandria University	Registered Dec 2022; Defended Dec 2025
24	Master	Nano-Delivery Systems for Treatment of Skin Cancer Using Herbal Drugs	Faculty of Pharmacy, Alexandria University	Registered Jan 2023

### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
	Master	Nano-Delivery Systems for Treatment of Skin Cancer Using Herbal Drugs	Faculty of Pharmacy, Alexandria University	Registered Jan 2023

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Administrative Responsibilities

#	From	To	Position	Organization



## Committee Membership

#	From	To	Position	Organization
1	2025	2025	Member, International Projects Committee	Pharos University in Alexandria
2	2025	2025	Member, Curriculum Development Committee	College of Pharmacy, Imam Abdulrahman Bin Faisal University
3	2025	2025	Member, Research and Innovation Unit	College of Pharmacy, Imam Abdulrahman Bin Faisal University
4	2019	2020	Member, Awards and Research Funding Committee	Pharos University in Alexandria
5	2018	Present	Member	Arab Society for Material Science, Institute of Graduate Studies and Research, Alexandria University, Egypt
6	Mar 2017	2019	Head of Postgraduate Affairs Committee	Quality Assurance Unit, Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria
7	2017	2018	Member, Scientific Research Development Committee	Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria
8	2017	2018	Member, Scientific Workshops Committee	Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria
9	2016	Present	Head of Scientific Research Sector	Quality Assurance Unit, Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria
10	2016	Present	Member, Summer Training Committee	Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria
11	2016	2018	Member, E-learning Committee	Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria
12	2013	2015	Member, Quality Assurance Committee (Pharmaceutics Department)	Faculty of Pharmacy, Alexandria University, Egypt
13	2013	2014	Department Representative Member, Library Committee	Faculty of Pharmacy, Alexandria University, Egypt
14	2013	2014	Member, Faculty Committee of Students with Special Needs	Faculty of Pharmacy, Alexandria University, Egypt
15	Dec 2012	2014	Head of Alamal Students' Social Group	Faculty of Pharmacy, Alexandria University, Egypt
16	Sep 2012	2015	Member, Student Affairs and Learning Committee	Faculty of Pharmacy, Alexandria University, Egypt



17	Sep 2012	2015	Member, Testing Committee for selection of eligible students to visit Kyoto Pharmaceutical University (Japan)	Faculty of Pharmacy, Alexandria University, Egypt
18	Sep 2012	2015	Member, Faculty Committee for Students with Special Academic Support	Faculty of Pharmacy, Alexandria University, Egypt
19	2012	2014	Member, Student Affairs and Learning Committee	Faculty of Pharmacy, Alexandria University, Egypt
20	2012	2014	Member of Testing Committee for selection of eligible students to visit Kyoto Pharmaceutical University (Japan)	Faculty of Pharmacy, Alexandria University, Egypt
21	August 2025	Present	Member, Pharmaceutics Department Council	College of Pharmacy, Imam Abdulrahman Bin Faisal University

### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
	2019	2025	Pharos University in Alexandria	Full time head of international publishing and nanotechnology consultation center INCC (956 consultations provided)

### Volunteer Work

#	From	To	Type of Volunteer	Organization

### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	TOT and Professional Trainer to staff members and researchers on international publishing skills; time and stress management skill and nanotool skills with the following workshops:
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2 Trainer in Education Development Center (EDC) –Pharos University in Alexandria on the following workshops:

1. International Publications and H-index: Towards higher PUA international ranking; Pharos University in Alexandria (PUA); (Sep/ 2016)
2. Principles of International publication for tourism staff members; faculty of tourism; staff members of Faculty of Tourism; Pharos University in Alexandria (PUA); (6 Dec 2016)
3. Proper concepts and techniques of international publication (18,19,21 /12/2016)
4. Self-archiving and scientific writing (March /2017)
5. Time and stress management techniques (Spring 2016-2017)
6. Advanced skills on international publications (Fall 2019)
7. Rationale of scientific novelties: towards acceptance of research proposals and publications (December 2022)

**Since February 2024 to 2025:**

**Director and trainer of Upskilling International Publishing Program (UIP)-Pharos university in Alexandria. three levels of training are entitled:**

**Level 1 workshop:**

Concepts & Fundamentals of International Scientific Publishing.

**Level 2 workshop:**

Proper Steps in the Pathway of Scientific publishing based on the International Criteria.

**Level 3 Workshop**

Tips & Tricks for manipulating rejection of International Publications and promoting citations.

**Level 4 workshop**

Professional research skill to Enhance Self-archiving and Academic Integrity

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Last Update

14/2/2026

