

Curriculum Vitae

<p>Contact Details</p> <p>Name: Amal Hassan El Kamel Title: Professor & Head of Department of Pharmaceutics Department: Pharmaceutics e-mail: amalelkamel@alexu.edu.eg H-index: 18 Orcid ID: https://orcid.org/0000-0001-8773-5365</p>	
<p>Biography</p>	<p>Academic Qualifications:</p> <p>PhD: Joint channel system with The Ohio State University, Columbus, Ohio, USA and Alexandria university Date of obtaining Degree: 28/2/1995</p> <p>Master: Alexandria- Egypt Date of obtaining Degree: 31/10/1989</p> <p>B.SC: University: Alexandria -Egypt College: Pharma Date of obtaining Degree: June 1985</p> <p>Career History and Professional Experience</p> <ol style="list-style-type: none">1) Acting Dean of the College of Pharmacy, Alexandria University, October-November 2014.2) Vice dean for graduate students and research, Faculty of Pharmacy, Alexandria University from September 2013 -2014.3) Chairman of Department of Pharmaceutics, Faculty of Pharmacy, Alexandria University from August 2013 up till now4) Vice dean for community service and environment development, Faculty of Pharmacy, Alexandria University from August 2012 -September 2013.5) Executive manager of Pharmacy Service Unit, Faculty of Pharmacy, Alexandria University from January 2010- August 2011.

	<p>6) Member in the higher committee for Clinical Pharmacy Program, Faculty of Pharmacy, Alexandria University from 2008-2014</p> <p>7) Coordinator of the Committee on Academic Affairs and Quality for Clinical Pharmacy Program, Faculty of Pharmacy, Alexandria University from 2012-2014</p> <p>8) Vice Chairman of Department of Pharmaceutics, College of Pharmacy, King Saud University from 2002- 2006.</p> <p>9) Supervision of research central laboratory, Faculty of Pharmacy, Alexandria University, from March 1999 till January 2000.</p> <p>10) Member in "Pharmaceutical Service Unit" Faculty of Pharmacy, Alexandria University, from 1995-2000.</p>
<p>Research Interest</p>	<p>Development and evaluation of various micro and nano-drug delivery systems including microparticles, nanoparticles, nanocapsules, nanofibers and nanoemulsions. Drug targeting to various e.g. organs including colon, vagina, brain, bone and eye. Manipulation of physicochemical properties of poorly soluble drugs. Personalized drug delivery and molecular pharmaceutics.</p>
<p>Publications</p>	<p>1) El-Habashy, Salma E., Hoda M. Eltahir, Ahmed Gaballah, Eiman I. Zaki, Radwa A. Mehanna, and Amal H. El-Kamel. "Hybrid bioactive hydroxyapatite/polycaprolactone nanoparticles for enhanced osteogenesis, Materials Science and Engineering: C (2020): 111599.</p> <p>2) Asmaa A. Ashour, Alyaa A. Ramadan, Doaa A. Abdelmonsif, Amal H. El-Kamel, Enhanced oral bioavailability of Tanshinone IIA using lipid</p>

	<p>nanocapsules: Formulation, in-vitro appraisal and pharmacokinetics, International Journal of Pharmaceutics 586 (2020) 119598</p> <p>3) Nazief, A. M., Hassaan, P. S., Khalifa, H. M., Sokar, M. S., & El-Kamel, A. H Lipid-Based Gliclazide Nanoparticles for Treatment of Diabetes: Formulation, Pharmacokinetics, Pharmacodynamics and Subacute Toxicity Study. International Journal of Nanomedicine,15, 1129, 2020.</p> <p>4) Ahmed N, Nounou MI, Abouelfetouh A, El-Kamel A., Over-the-counter Weight-Loss Herbal Supplements in Egypt: Label Claim, Microbiological, Pharmaceutical Quality and Safety Assessments, Med Princ Pract.; 28:167-177, 2019.</p> <p>5) Noha S. El-Salamouni, Ragwa M. Farid, Amal H. El-Kamel & Safaa S. El-Gamal Nanostructured lipid carriers for intraocular brimonidine localisation: development, in-vitro and in-vivo evaluation, J. Microencapsulation, 35 (1), 102–113, 2018.</p> <p>6) Amira M. Embaby, Ramy R. Melika, Ahmed Hussein, Amal H. El-Kamel, Heba S. Marey, Biosynthesis of chitosan-Oligosaccharides (COS) by non-aflatoxigenic Aspergillus sp. strain EGY1 DSM 101520: A robust biotechnological approach, Process Biochemistry Volume 64, January,16-30, 2018.</p> <p>7) Amira E. El-Nahas, Ahmed N. Allam and Amal H. El-Kamel, Mucoadhesive buccal tablets containing silymarin Eudragit-loaded nanoparticles: formulation, characterisation and</p>
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- ex vivo permeation, *J. Microencapsulation*, 34 (5), 463–474, 2017.
- 8) Amira E. El-Nahas, Ahmed N. Allam, Doaa A. Abdelmonsif and **Amal H. El-Kamel**, Silymarin-Loaded Eudragit Nanoparticles: Formulation, Characterization, and Hepatoprotective and Toxicity Evaluation, *AAPS PharmSciTech*, vol. 18, No. 8, 3076–3086, 2017.
- 9) Salma El-Sayed Radwan, Magda Samir Sokar, Doaa Ali Abdelmonsif, **Amal Hassan El-Kamel**, Mucopenetrating nanoparticles for enhancement of oral bioavailability of furosemide: In vitro and in vivo evaluation/sub-acute toxicity study, *International Journal of Pharmaceutics*, 526, 366–379, 2017.
- 10) Rana Ihab Reda, Ming Ming Wen, Amal Hassan El-Kamel, Ketoprofen-loaded Eudragit electrospun nanofibers for the treatment of oral mucositis, *International Journal of Nanomedicine*, 12, 2335–2351, 2017.
- 11) Noha S. El-Salamouni, Ragwa M. Farid, **Amal H. El-Kamel**, Safaa S. El-Gamal, Lipid-based nanocarrier for ocular drug delivery, In: nanostructures for drug delivery, Eds., Ecaterina andronescu, Alexandru Mihai Grumezescu, Elsevier Inc., Oxford, UK, Chapter 16, pp. 495-522, 2017.
- 12) Amira M. Embaby¹, Ramy R. Melika, Ahmed Hussein, **Amal H. El-Kamel**,

	<p>Heba S. Marey, A Novel Non-Cumbersome Approach Towards Biosynthesis of PecticOligo-saccharides by Non-Aflatoxigenic Aspergillus sp. Section Flavi Strain EGY1 DSM 101520 through Citrus Pectin Fermentation, PLOSs ONE, 19 December 2016.</p> <p>13) Brimonidine base-loaded solid lipid nanoparticles for ocular delivery, Noha S. El-Salamouni, Ragwa M. Farid, Amal H. El-Kamel, Safaa S. El-Gamal, Eds., LAP Lambert Academic Publishing, Heinrich-Böcking-Str.6-8, 66121 Saarbrücken, Germany, 2016.</p> <p>14) Salma E. El-Habashy, Ahmed N. Allam, Amal H. El-Kamel, Ethyl cellulose nanoparticles as a platform to decrease ulcerogenic potential of piroxicam: formulation and in vitro/ in vivo evaluation, International Journal of Nanomedicine,11, 2369-2380, 2016.</p> <p>15) Sally A El-Zahaby, Abeer A Kassem, Amal H El-Kamel, Non-antibiotic Therapies for Treatment of Helicobacter pylori Infection, Inventi Rapid: Pharm Biotech & Microbio Vol.2016, Issue 2,1-5, 2016</p> <p>16) Asmaa A. Ashour, Dina Raafat, Amal H. El-Kamel, Ecofriendly synthesis of silver nanoparticles using fenugreek seeds' aqueous extracts and it's antimicrobial properties. "8th international conference and exhibition on pharmaceutics and novel drug delivery systems", Madrid, Spain, March 07-09, 2016.</p>
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- 17) Noha S. El-Salamouni, Ragwa M. Farid, **Amal H. El-Kamel**, Safaa S. El-Gamal, Effect of Sterilization on the Physical Stability of Brimonidine-loaded Solid Lipid Nanoparticles and Nanostructured Lipid Carriers, *International Journal of Pharmaceutics*, 496, 976–983, 2015.
- 18) Asmaa A. Ashour, Dina Raafat, Hanan M. El-Gowelli, **Amal H. El-Kamel**, Green synthesis of silver nanoparticles using cranberry powder aqueous extract: characterization and antimicrobial properties, *International Journal of Nanomedicine*, 10, 7207–7221, 2015.
- 19) M. Sokar, A. Hanafy, **A. El-Kamel**, and S. El-Gamal, Design of Chrono modulated Drug Delivery System of Valsartan: In Vitro Characterization, *Indian Journal of Pharmaceutical Sciences*, 77(4), 470-477, 2015.
- 20) Hibah M. Aldawsari, Shaimaa M. Badr-Eldin, Gihan S. Labib, **Amal H El-Kamel**, Design and formulation of a topical hydrogel integrating lemongrass-loaded nanosponges with an enhanced antifungal effect: in vitro/in vivo evaluation, *International Journal of Nanomedicine*, 10, 893–902, 2015.
- 21) Sally A. El-Zahaby, Abeer A. Kassem, **Amal H. El-Kamel**, Design and evaluation of gastroretentive levofloxacin floating mini-tablets-in-capsule system for eradication of *Helicobacter pylori*, *Saudi Pharmaceutical Journal*, 22, 570–579, 2014.
- 22) Sally A. El-Zahaby, Abeer A. Kassem, **Amal H. El-Kamel**, Floating mini-tablets-in-capsule system for eradication of *H. Pylori*,

- Eds.**, LAP Lambert Academic Publishing, Heinrich-Böcking-Str.6-8,66121 Saarbrücken, Germany, 2014.
- 23) Salma E. El-Habashy, Alaa M. Nazief, Chris E. Adkins, Ming Ming Wen, **Amal H. El-Kamel**, Ahmed M Hamdan, Amira S Hanafy, Tori O Terrell, Afroz S Mohammad, Paul R. Lockman& Mohamed Ismail Nounou, Novel treatment strategies for brain tumours and metastases, *Pharm. Pat. Anal.*, 3(3), 279–296, 2014.
- 24) Sally A. El-Zahaby, Abeer A. Kassem, **Amal H. El-Kamel**, Formulation and evaluation of size expanding gastro-retentive systems of levofloxacin hemihydrates, *International Journal of Pharmaceutics*, 464, 10-18, 2014.
- 25) Sally A. El-Zahaby, Abeer A. Kassem, **Amal H. El-Kamel**, Helicobacter pylori: An Overview on Antimicrobials and Drug Delivery for its Eradication, current drug delivery, 11(3):306-12, 2014.
- 26) Amira Hanafy, Magda Sokar, **Amal El-Kamel**, and Safaa El-Gamal, Pulsatile core-in-cup valsartan tablet formulations: in vitro evaluation. *Asian Journal of Pharmaceutical Sciences*, 8, 234-243, 2013.
- 27) Ming Ming Wen, **Amal H. El-Kamel**, and Said A. Khalil, Systemic Enhancement of Papaverine Transdermal Gel for Erectile Dysfunction. *Drug Development and Industrial Pharmacy*, 38(8), 912-22, 2012.
- 28) Asmaa A. Ashour, Dina R. Gouda, **Amal H. El-Kamel**, Green Synthesis of Silver

Nanoparticles Using Fenugreek Seeds' Extract and Evaluation of Their Antimicrobial Activities. FUE International Conference on Pharmaceutical Technology, Cairo, Egypt February 6-9, 2012.

29) Asmaa A. Ashour, Dina R. Gouda, **Amal H. El-Kamel**, Green Synthesis of Silver Nanoparticles Using Fenugreek Seeds' Extract and Evaluation of Their Antimicrobial Activities. The 32nd International Conference of Pharmaceutical Sciences. Conference centre, Cairo University, Cairo, Egypt. December 20-22, 2011.

30) Sally A. El-Zahaby, Abeer A. Kassem, **Amal H. El-Kamel**, Formulation and Evaluation of Levofloxacin Controlled Release Delivery System for Eradication of Helicobacter pylori. The 32nd International Conference of Pharmaceutical Sciences. Conference centre, Cairo University, Cairo, Egypt. December 20-22, 2011.

31) **Amal H. El-Kamel**, Alaa A. Abdel-Aziz, Amal J. Fatani, Hussein I. El-Subbagh, Oral Colon Targeted Delivery Systems for Treatment of Inflammatory Bowel Diseases: Synthesis, In Vitro and In Vivo Assessment. Int. J. Pharm., 358, 248-255, 2008.

32) **Amal H. El-Kamel**, Physicochemical and Biopharmaceutical Properties of Flurbiprofen Using Melt Sonocrystalization Technique, Drug Development and Research, 69, 34-41, 2008.

- 33) **Amal H. El-Kamel**, Iman M. Al-Fagih, Ibrahim A. Alsarra, Effect of Sonophoresis and Chemical Enhancers on Testosterone Transdermal Delivery from Solid lipid Microparticles: An In Vitro Study. *Current Drug Delivery*, 5, 20-26, 2008.
- 34) **Amal H. El-Kamel**, Lubna Y. Ashri, Ibrahim A. Alsarra, Micromatrical Metronidazole Benzoate Film as a Local Mucoadhesive Delivery System for Treatment of Periodontal Diseases. *AAPS PharmSciTech* 2007; 8 (3) Article 75 (<http://www.aapspharmscitech.org>).
- a. It has been also presented in 9th International Pharmaceutical Sciences Conference, December 2005.*
- 35) **Amal H. El-Kamel**, Iman M. Al-Fagih, Ibrahim A. Alsarra, Testosterone Solid Lipid Microparticles for Transdermal Drug Delivery. Formulation and Physicochemical Characterization. *J. Microencapsulation*, 24(5): 457-475, 2007
- i. It has been presented in 9th International Pharmaceutical Sciences Conference, December 2005.*
- 36) **Amal H. El-Kamel** and Manal M. Baddour, In Vitro and in Vivo Evaluation of Galifloxacin Biodegradable Implants for Treatment of Experimental Osteomyelitis, *Drug Delivery*, 14(6), 349-56, 2007.
- i. It has been presented in 9th International Pharmaceutical Sciences Conference, December 2005.*

- 37) **Amal El-Kamel** and Mona El-Khatib, Thermally Reversible in Situ-Gelling Carbamazepine Liquid Suppository. *Drug Delivery*, 13,143-148, 2006.
- i. It has been also presented in 9th International Pharmaceutical Sciences Conference, December 2005.*
- 38) **Amal El-Kamel**, Heba Al-Dosari and Fahad Al-Jenoobi, Environmentally Responsive Ophthalmic Gel Formulations of Carteolol Hydrochloride. *Drug Delivery*,13, 55-59, 2006.
- i. It has been also presented in 9th International Pharmaceutical Sciences Conference, December 2005.*
- 39) **Amal H. El-Kamel**, Doaea H. Al-Shora, Yousry M. El-Sayed, Formulation and Evaluation of Captopril Sustained Release Microparticles. *J. Microencapsulation*, 23(4), 389–404, 2006.
- 40) **A.H. El-Kamel**, M.S. Sokar, S.S. Al Gamal and V.F. Naggar, Evaluation of Stomach Protective Activity of Ketoprofen Floating Microparticles-*Indian J. Pharm. Sci.*, 65, 399-401, 2003.
- 41) **A.H. El-Kamel**, O.M.N. Al-Gohary and E.A. Hosny, Alginate-Diltiazem Hydrochloride Beads: Optimization of Formulation Factors, In vitro and In vivo Availability. *J. Microencapsulation*, 20, 211-225, 2003.
- 42) **Amal H. El-Kamel**, New Perspectives in Therapeutic Drug Monitoring. *Alex. J. Pharm. Sci.*, 17(2), 155-159, 2003.
- 43) **A.H. El-Kamel**, M.S. Sokar, V.F. Naggar and S.S. Al Gamal, Chitosan and Sodium Alginate-Based Bioadhesive Vaginal Tablets. *AAPS PharmSci*, 4 (4), article 44, 1-7, 2002.

- 44) **A.H. El-Kamel**, In vitro and In vivo Evaluation of Pluronic F127-Based Ocular Delivery System for Timolol Maleate. *Int. J. Pharm.*, 241, 47-55, 2002.
- 45) **A.H. El-Kamel**, M.S. Sokar, V.F. Naggar and S.S. Al Gamal, Bioadhesive Controlled Release Metronidazole Vaginal Tablets. *Acta Pharmaceutica*, 52, 171-179, 2002.
- 46) **Amal H. El-Kamel**, The Use of Biotechnology in Treatment of Diabetes. The Seventh Symposium, Modern Technology & its Impact on Man & the Environment. Science Section & Medical Studies, Research Center, King Saud University, 2002.
- 47) **A.H. El-Kamel**, M.S. Sokar, S.S. Al Gamal and V.F. Naggar, Preparation and Evaluation of Ketoprofen Floating Oral Delivery System. *Int. J. Pharm.*, 220, 13-21, 2001.
- 48) I. Darwish and **A. El-Kamel**, Dissolution Enhancement of Glibenclamide Using Liquisolid Tablet Technology. *Acta Pharmaceutica*, 51, 173-181, 2001.
- 49) M.A. Etman, R.O. Salama, M.A. Shamsdeen and **A.H. El-Kamel**, Solubilization of Etodolac for Parental Administration. *Indian J. Pharm. Sci.*, 63, 459-467, 2001.
- 50) **Amal H. El-Kamel** and Norhan H. Fanaki, In vitro Characterization of Miconazole Nitrate-Cyclodextrins Binary Systems. *Alex. J. Pharm. Sci.*, September 111-117, 2000.
- 51) Ming-Ming Wen, **Amal H. El-Kamel** and Said A. Khalil, Transdermal Delivery of Some Vasodilators (I) Papaverine Hydrochloride. Alexandria Second International Conference of Pharmaceutical Sciences and Technology, October 2000, Alexandria, Egypt.

	<p>52) Y.E. Hammouda, L.K. El-Kordagui, I.A. Darwish and A.H. El-Kamel, Manipulation of Powder Characteristics by Interactions at the Solid-Liquid Interface: 1- Sulphadiazine. Eur. J. Pharm. Sci., 8, 283-290, 1999.</p> <p>53) Amal H. El-Kamel, Ismail Hewala and Said Khalil, In vivo In vitro Correlation of Ranitidine Tablets as Assessed from Bioavailability Study Using Both Plasma and Urine Data”. Alex. J. Pharm. Sci. 11(3), October 145-148, 1997.</p> <p>54) Saleh A.H. Khalil, Amal H. El-Kamel and Osama Y. Abdallah, Stability of Sucrose in Syrup” The paper has been presented in The First Anglo-Egyptian Conference of Pharmaceutical Sciences, November 1988, Alexandria, Egypt.</p> <p>55) Saleh A.H. Khalil, Amal H. El-Kamel and Osama Y. Abdallah, Instability of Phenylpropanolamine Hydrochloride in Presence of Sugars”. The paper has been presented in The First Anglo-Egyptian Conference of Pharmaceutical Sciences, November 1988, Alexandria, Egypt.</p>
<p>Conferences & workshops</p>	<p><u>Recent conferences</u></p> <p>1) 3rd International Conference of Faculty of Pharmacy, Cairo University “Good Pharmacy Practice” 25-26 April 2012.</p> <p>2) 3rd FUE International Conference of Pharmaceutical Sciences, Intercontinental city stars, Cairo, February 9-11, 2015.</p> <p>3) المؤتمر السنوي لجامعة الإسكندرية "الصحة ابنة كل العلوم" Alexandria, Egypt 27-28 December 2012.</p> <p>4) 4th Nano Today Conference , JW Marriott Marquis Hotel Dubai, UAE, December 6-10, 2015.poster</p>

- 5) 1st PUA international conference on advances in pharmaceutical sciences Alexandria, Egypt, 27-29 October 2015
- 6) Biovision, New Life Sciences: The Road Ahead, Bibliotheca Alexandria, Alexandria, Egypt, 12-14 April 2016.
- 7) 8th international conference and exhibition on pharmaceutics and novel drug delivery systems, Madrid, Spain, March 7-9, 2016.
- 8) 4th FUE International Pharmaceutical Conference of Future University of Egypt (FUE IPC) Cairo , Egypt 31/1-2/2-2017.
- 9) BIT's 7th Annual World Symposium of Drug Delivery System-2017, Vienna House Diplomat, Prague, Czech Republic, 12-14 July- 2017.
- 10) 3rd International conference on traditional medicine, pharmacy and pharmaceutical sciences, Rome, Italy, 22-28 July-2019.

Recent workshops

- 1) Workshop on 'Developing Institutional Internationalisation' organized by The National Office of European Union Programs -Alexandria University, May 2018.
- 2) Workshop on "Assessment: the real driver for competency-based education in pharmacy", Faculty of Pharmacy- Alexandria University, July 2018.
- 3) Workshop on "Moodle as learning management system" organized by Alexandria University, 5-21 May 2020.
- 4) Workshop on "Online teaching and assessment" organized by Medical Education Department, Faculty of Medicine, Alexandria University, 30-31 May 2020

	<p>5) Trainer in the workshop organized by Alexandria University entitled “Moodle as learning management system” 6-30 June 2020.</p> <p>6) ADIP online workshop “online learning” July-September 2020</p>
<p>Professional and Scientific Activities (optional)</p>	<p>1 .Research projects</p> <p>1) Coinvestigator in the project sponsored by ALEX-REP, Alexandria University. The project entitled “Setting up a cell culture laboratory for Alexandria University Medical Center” 2014.</p> <p>2) Principle investigator in a project sponsored by Research Center, King Saud University, Women Students Medical Studies & Science Sections. The project entitled “<i>In vitro and in vivo evaluation of gatifloxacin biodegradable implants for treatment of experimental osteomyelitis</i>” 2004-2006.</p> <p>3) Principle investigator in a project sponsored by Deanship of Scientific Research, King Saud University, Ministry of Higher Education, Kingdom of Saudi Arabia. The project entitled “<i>Development of oral colon targeted drug delivery systems using prodrug technology</i>” 2006-2008.</p> <p>4) Principle investigator in a project sponsored by Research Center, King Saud University, Women Students Medical Studies & Science Sections. The project entitled “<i>Improvement of physicochemical and biopharmaceutical properties of flurbiprofen using melt sonocrystallization technique</i>” 2008.</p> <p>2. Master/PhD theses supervision</p> <p>1) “Development of targeted nano-vesicular drug delivery system for treatment of some liver diseases” Maged Mohamed Hassan Kharouba, Master of</p>

	<p>Pharmaceutical Sciences, Alexandria University (2020).</p> <ol style="list-style-type: none">2) “Design and assessment of nanoparticulate system(s) to alleviate symptoms of arthritis” Hager Ibrahim Mansour Mohamed, Master of Pharmaceutical Sciences, Alexandria University (2020)3) “Development of nanosystems for treatment of antibiotic resistant microbial infection” Mohamed Hussien Zohd, Master of Pharmaceutical Sciences, Alexandria University (2019).4) “Improvement of Permeability of Some Selected Drugs through the Formulation of Lipid Nanosystems” : Mohamed Galal El-Shahat Mohamed El-Melegy, Master of Pharmaceutical Sciences, Alexandria University (2018).5) “Targeted drug delivery for management of inflammatory bowel diseases”, Shymaa Sameh Said Abdelrahman, Master of Pharmaceutical Sciences, Alexandria University (2017).6) “Development of nano-drug delivery systems for treatment of posterior ocular diseases” Salma EL-Sayed Ph.D. in Pharmaceutics, Alexandria University (December 2017).7) “Design evaluation and characterization of new orally administered probiotic formulation as a biotherapeutic agent” Rania Essawy Hamid, Ph.D. in Pharmaceutics, Alexandria University (December 2017).8) “Formulation and Evaluation of some bone targeted drug delivery systems” Salma Essam El-Habashy, Ph.D. in Pharmaceutics Alexandria University (2017).9) “Development and evaluation of selected nanocarrier drug delivery systems for treatment of some liver diseases”, Asmaa Ahmed Ashour,
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	<p>Ph.D. in Pharmaceutics Alexandria University (2015).</p> <p>10) "Formulation and characterization of nanocarrier system(s) for brain delivery" Ola Yosry El Noweam Master of Pharmaceutical Sciences, Alexandria University (2014).</p> <p>11) "Pharmaceutical evaluation of some over-the-counter (OTC) weight loss products available in the Egyptian market" Nada Ahmed Abdel Magid, Master of Pharmaceutical Sciences, Alexandria University (2014).</p> <p>12) "Design, formulation and evaluation of some drug-eluting stents", Ahmed Mohamed Adel Khaleq, Master of Pharmaceutical Sciences, Alexandria University (2014).</p> <p>13) "Improving physicochemical characteristics of poorly permeable drugs using mucopenetrating polymers" Salma El-Sayed Muhamed Radwan, Master of Pharmaceutical Sciences, Alexandria University (2013).</p> <p>14) "A study on novel ocular drug delivery systems " Noha Soliman Hassan Ali El-Salamouni, Master of Pharmaceutical Sciences, Alexandria University (2013).</p> <p>15) "Intranasal micro/nano emulsion as drug delivery system for brain targeting", Noha Ismail Khamis Ismail, Master of Pharmaceutical Sciences, Alexandria University (2013).</p> <p>16) " A study of some buccal drug delivery systems", Rana Mohamed Ihab Sami Reda, Master of Pharmaceutical Sciences, Alexandria University (2013).</p> <p>17) "Development and Evaluation of Pharmaceutical Nanoparticulate Systems for Lung Targeting" Hala Mostafa Nada, Doctor of Philosophy in</p>
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Pharmaceutical Sciences, Alexandria University
(2012).

- 18) "Study of Some Nano-sized Colloidal Drug delivery systems" Salma Essam Abd El-Halim, Master of Pharmaceutical Sciences, Master of Pharmaceutical Sciences, Alexandria University (2012).
- 19) "Improvement of the Physicochemical Properties of Some Drugs using Lipid Based Delivery Systems" Alaa Mohamed Nazief, Master of Pharmaceutical Sciences, Alexandria University (2012).
- 20) "Development and Characterization of Some Orotransmucosal Drug Delivery Systems" Amira Emad Mahmoud El-Nahas, Master of Pharmaceutical Sciences, Alexandria University (2012).
- 21) "Formulation and Evaluation of Noble Metal Particulate Systems for Selected Medical Applications" Asmaa Ashour, Master of Pharmaceutical Sciences, Alexandria University (2010).
- 22) "Formulation and Evaluation of Controlled Release Drug Delivery System for Eradication of Helicobacter Pylori" Sally Ahmed-Fouad El-Zahaby, Master of Pharmaceutical Sciences, Alexandria University (2010).
- 23) "Formulation and Evaluation of Some Pulsatile Drug Delivery Systems" Amira Sayed Mahmoud Hanafy, Alexandria University (2010).
- 24) Histological Evaluation of the Effect of Oil-Based Calcium Hydroxide Paste on Mandibular Distraction Osteogenesis" Mohamed Ahmed Farag, Master of oral and Maxillofacial Surgery, Alexandria University (2009).

	<p>25) “Isolation and Characterization of Phenazine and Study its Possible Biotechnological Applications” Shreen Mahmoud Sameh Said, Alexandria University (2009).</p> <p>26) “Formulation and Bioavailability Study of Sustained Release Captopril Microparticles”. Doaa Hassan Al-Shora, Master of Pharmaceutical Sciences, King Saud University (2008).</p> <p>27) “Transdermal Delivery System of Testosterone Using Solid Lipid Particles”, Iman Mohammed Al-Fagih, Master of Pharmaceutical Sciences, King Saud University (2008).</p> <p>28) “Metronidazole Buccoadhesive Film for the Treatment of Periodontal Diseases”, Lubna Yousef Ashri, Master of Pharmaceutical Sciences, King Saud University (2007).</p> <p>29) “A Pharmaceutical Study on Transdermal Delivery of Some Drugs” Ming Ming Wen, Doctor of Philosophy in Pharmaceutical Sciences, Alexandria University (2007).</p> <p>30) “Formulation and Evaluation of Carteolol Hydrochloride Ophthalmic Gels”, Heba Mobarak Al-Dosari, Master of Pharmaceutical Sciences, King Saud University (2006).</p> <p>31) “Study of Some Modified Release Drug Delivery Systems”, Magda Samir Sokar, Master of Pharmaceutical Sciences, Alexandria University (2005).</p> <p>Visiting Professors to foreign universities</p> <p>1) Candidate of Erasmus+ HE staff mobility agreement for training, Faculty of Pharmacy, Pisa University, Italy, January 2019.</p> <p>2) Candidate of Erasmus+ HE staff mobility agreement for training, Faculty of Pharmacy, Pisa University, Italy, July 2018.</p>
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4. Teaching activities

Several under and post graduate courses:

- 1) Calculations and pharmaceutical solutions.
- 2) Sterile dosage forms and products.
- 3) Research methods and Seminar.
- 4) Preformulation.
- 5) Physicochemical basis for design of pharmaceutical dosage forms.
- 6) Advanced Physical Pharmacy
- 7) Dispensing of medications II.
- 8) Design and formulation of dosage forms.
- 9) Dispersion systems and drug stability.
- 10) Advanced drug delivery systems.
- 11) Evaluation of pharmaceutical dosage forms.
- 12) Pharmaceutical quality control and good manufacturing practice.
- 13) Advanced biopharmaceutics & pharmacokinetics.
- 14) Solid Dosage Forms.
- 15) Clinical pharmacy.
- 16) Biomedical research technique in pharmaceutical research.
- 17) Microfluidics

5. Others

Reviewer for Scientific Journals

- 1) AAPS Pharmaceutical Technology.
- 2) Journal of Pharmaceutical Sciences and Technology.
- 3) International Journal of Pharmaceutics.
- 4) Saudi Pharmaceutical Journal.
- 5) Pharmacological Research.

	<ol style="list-style-type: none"> 6) European Journal of Pharmaceutics and Biopharmaceutics. 7) African Journal of Pharmacy and Pharmacology. 8) Drug development and industrial pharmacy 9) IET Nanobiotechnology 10) Current Nanomedicine 11) International Journal of Nanomedicine
Awards	<ol style="list-style-type: none"> 1) Prize of Alexandria University for Scientific Excellence, October 2017. 2) Prize of Alexandria University for Excellence Administrative Performance, 25/11/2014.