

## متابعة الخطة البحثية للكلية لعام 2021

### متابعة تنفيذ الخطة البحثية لقسم التكنولوجيا الصيدلانية

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
	- تم مناقشة رسالتي دكتوراه ويُنتظر قرار منح الدرجة. - تم استيفاء مناقشة كل رسائل الماجستير المستهدفة على مدار العام.				√		2 PhD 3 Master 8 Articles	1 PhD 5 Master 8 Articles	من يوليو إلى أغسطس 2021



### Publications (from July to December 2021)

1	Maha A. Khalil, Gamal M. El Maghraby, Fatma I. Sonbol, Nanis G. Allam, Perihan S. Ateya and Sameh S. Ali	Frontiers in Microbiology. September 2021, Volume 12, Article 648560	Enhanced Efficacy of Some Antibiotics in Presence of Silver Nanoparticles Against Multidrug Resistant Pseudomonas aeruginosa Recovered From Burn Wound Infections.
2	Nourhan F El Nashar, Amal A Sultan, Gamal M El Maghraby	Journal of Drug Delivery Science and Technology. Volume 66, December 2021, 102742	Self-dispersing self-assembling systems for controlled oral delivery of gliclazide
3	Noha D Fayed, Ahmed E Goda, Ebtessam A Essa, Gamal M El Maghraby	Journal of Drug Delivery Science and Technology. Volume 66, December 2021, 102866	Chitosan-encapsulated niosomes for enhanced oral delivery of atorvastatin.
4	Mohamed Ahmed Attia, Ebtessam Ahmed Essa, Toka Tarek Elebyary, Ahmed Mostafa Faheem and Amal Ali Elkordy	Pharmaceuticals 2021, 14, 1173	Brief on Recent Application of Liposomal Vaccines for Lower Respiratory Tract Viral Infections: From Influenza to COVID-19 Vaccines.
5	Dalia H Abdelkader, Ahmed Kh Abosalha, Mohamed A Khattab, Basmah N Aldosari, Alanood S Almurshedi	Pharmaceutics 2021, 13(10), 1658.	A Novel Sustained Anti-Inflammatory Effect of Atorvastatin—Calcium PLGA Nanoparticles: In Vitro Optimization and In Vivo Evaluation.



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6	Omar Y Mady, Adam A Al-Shoubki, Ahmed A Donia	Drug Design, Development and Therapy 2021:15 4469–4487	An Industrial Procedure for Pharmacodynamic Improvement of Metformin HCl via Granulation with Its Paracellular Pathway Enhancer Using Factorial Experimental Design.
7	Omar Y Mady, Mahmoud Abulmeaty, Ahmed A Donia, Abdulaziz A Al-Khureif, Adam A Al-Shoubki, Manal Abudawood, Doaa A Abdel Moety	Membranes 2021, 11(9), 659	Formulation and Bioavailability of Novel Mucoadhesive Buccal Films for Candesartan Cilexetil in Rats
8	Omar Y. Mady, Adam A. Al-Shoubki, Ahmed A. Donia, Waseem Qasim	Scientific Reports (2021) 11:20153	Metformin hydrochloride entrapment in sorbitan monostearate for intestinal permeability enhancement and pharmacodynamics



### List of Master thesis (July to December 2021)

NO.	Name of candidate	Title of thesis	Date of award
1	Rady Nabil Shoukir	Floating technique as a tool for obtaining controlled release drug delivery systems.	31/8/2021
2	Moataz Badawy Ali	Design and characterization of self-emulsifying drug delivery systems (SEDDS) for a fixed dose drug combinations.	31/8/2021
3	Alaa Abed-ellateef Abo-elkheir	A study to investigate the effect of a nanosystem on the dissolution characteristics of selected class II drug.	29/9/2021

### List of PhD thesis (July to December 2021)

Two PhD thesis were discussed



## متابعة تنفيذ الخطة البحثية لقسم العقاقير

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
			√				PhD	PhD	من يوليو إلى ديسمبر 2021
			√				Master	Master	
			√				Articles	Articles	

### List of publications

Authors list	Article publication	Article title
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جامعة طنطا  
كلية الصيدلة

Ghada Gamal, Kamilia A Abo-El-Seoud , Ghada Attia	Nat Prod Res. 2021 Aug 12; 1-9.	Triterpenoids from the aerial parts of <i>Anabasis articulata</i> (Forssk) Moq: gastroprotective effect in vivo with in silico studies, cytotoxic and antimicrobial activities
Negm, W. A.; El-Aasr, M.; Kamer, A. A.; Elekhawy, E.	Pharmaceuticals 2021, 14, (8), 756	Investigation of the Antibacterial Activity and Efflux Pump Inhibitory Effect of <i>Cycas thouarsii</i> R. Br. Extract against <i>Klebsiella pneumoniae</i> Clinical Isolates.
Toshihiro Nohara, Mona El-Aasr, Tsuyoshi Ikeda, Shang-Hui Gao, Kazumi Yokomizo	Current Topics in Phytochemistry; 17: in press (2021).	Determination of absolute configuration of the most abundant garlic sulfide, garlicnin B 1.
A. Zayed, A. Abdelwareth, T. A. Mohamed, H. A. Fahmy, A. Porzel, L. A. Wessjohann, M. A. Farag	Food Chem 2021, 373, 131452. DOI: <a href="https://doi.org/10.1016/j.foodchem.2021.131452">https://doi.org/10.1016/j.foodchem.2021.131452</a>	Dissecting coffee seeds metabolome in context of genotype, roasting degree, and blending in the Middle East using NMR and GC/MS techniques

<p>F. Alsenani, A.M. Ashour, M.A. Alzubaidi, A. F. Azmy, M.H. Hetta, D.H. Abu-Baih, M.A. Elrehany, A. Zayed, A.M. Sayed, U. Ramadan Abdelmohsen, A.H. Elmaidomy</p>	<p>Mar Drugs 2021, 19(11), 605. DOI: <a href="https://doi.org/10.3390/md19110605">https://doi.org/10.3390/md19110605</a></p>	<p>Wound healing metabolites from Peters' elephant-nose fish oil: An in vivo investigation supported by <i>in vitro</i> and in silico studies</p>
<p>M.A. Salem, A. Zayed, S. Alseekh, A.R. Fernie, P. Giavalisco</p>	<p>Phytochemistry 2021, 190, 112843. DOI: <a href="https://doi.org/10.1016/j.phytochem.2021.112843">https://doi.org/10.1016/j.phytochem.2021.112843</a></p>	<p>The integration of MS-based metabolomics and multivariate data analysis allows for improved quality assessment of <i>Zingiber officinale</i> Roscoe</p>
<p>A. Zayed, M.K. Mansour, M.S. Sedeek, M.H. Habib, R. Ulber, M.A. Farag</p>	<p>Crit. Rev. Biotechnol. 2021. DOI: <a href="https://doi.org/10.1080/07388551.2021.1942779">https://doi.org/10.1080/07388551.2021.1942779</a></p>	<p>Bacterial exopolysaccharides: Novel insights on its distribution, biosynthesis, biotechnological production, and potential applications</p>
<p>A. Zayed, M. T. Badawy, M. A. Farag</p>	<p>Food Chem 2021, 355, 129609. DOI: <a href="https://doi.org/10.1016/j.foodchem.2021.129609">https://doi.org/10.1016/j.foodchem.2021.129609</a></p>	<p>Valorization and extraction optimization of citrus seeds for food and functional food applications.</p>



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Eram Sharmin, Bushra Abdulrahman Tamboosi, Elaf Bander Al Khozay, Maha Khalid Alamodi, Ohoud Zaki Al Aidarros, Jana Abdullaziz Albenayan, Majd Yousuf Lamfon, Afnan Abdulhamaid Hassan Sindi, Manawwer Alam , Lamiaa A. Al-Madboly, Nagwa A. Shoeib, and Afnan S. Batubara	September (2021)Inorganic and Nano-Metal Chemistry DOI:10.1080/24701556.2021.1963277	PVA nanocomposite hydrogel loaded with silver nanoparticles enriched Nigella sativa oil
Nashwah Attallah, Aya El Kadeem, Walaa Negm, Amany Ragab, Mary J Meegan, Engy El-Ekhnawy, Thanaa A El-Masry	December 2021Pharmaceuticals 14(12)	Promising Antiviral Activity of Agrimonia pilosa Phytochemicals against Severe Acute Respiratory Syndrome Coronavirus 2 Supported with In Vivo Mice Study
Badriyah Alotaibi, Walaa Negm, Engy El-Ekhnawy, Suzy El-Sherbeni	November 2021, Antibiotics 10(12):1444	Antibacterial, Immunomodulatory, and Lung Protective Effects of Boswelliadalzielii Oleoresin Ethanol Extract in Pulmonary Diseases: In Vitro and In Vivo Studies





جامعة طنطا  
كلية الصيدلة

Nashwah Attallah, Walaa Negm, Engy El-Ekhnawy, Claudia Ciniglia	July 2021, Antibiotics 10(8)	Elucidation of Phytochemical Content of Cupressus macrocarpa Leaves: In Vitro and In Vivo Antibacterial Effect against Methicillin-Resistant Staphylococcus aureus Clinical Isolates
Nashwah G. M. Attallah Walaa A. Negm, Engy Elekhnawy, Najla Altwaijry, Elshaymaa I. Elmongy, Thanaa A. El-Masry, Eman A. Alturki, Doaa A. Yousef and Malak Y. Shoukheba	July 2021, Antibiotics 10(7):18	Antibacterial Activity of Boswellia sacra Flueck. Oleoresin Extract against Porphyromonas gingivalis Periodontal Pathogen
Doaa H. Assar, Nagwan Elhabashib Abd-Allah, Mokhbatlya, Amany E. Ragab, Zizy I. Elbialy, Sally A. Rizk, Aishah E. Albalawie, Norah A. Althobaiti, Soad Jaounig, Ayman Atiba	Biomedicine & Pharmacotherapy Volume 143, November 2021, 112151	Wound healing potential of licorice extract in rat model: Antioxidants, histopathological, immunohistochemical and gene expression evidences



جامعة طنطا  
كلية الصيدلة

Doaa H. Assar , Abd-Allah A. Mokhbatly , Emad W. Ghazy, Amany E. Ragab, Samah Abou Asa· Walied Abdo, Zizy I. Elbially , Nora Elbially Mohamed and Ali H. El-Far	June 2021Antioxidants 10(6)	Ameliorative Effects of Aspergillus awamori against the Initiation of Hepatocarcinogenesis Induced by Diethylnitrosamine in a Rat Model: Regulation of Cyp19 and p53 Gene Expression
Sara Gonna, Rehab Foad Ghouraba, Radwa Eissa, Amal Kabbash, Akira Yagi, Nancy Mohamed Metwally	journal of GHR 2021 October 21; 10(5): 3577-3586	USER Username Password Remember me Log In Jump to Clinical, Radiographical and Antibacterial Evaluation of Acemannan Sponge and Tri-Mix Used in Treatment of Non Vital Primary Molars
Hanaa Elbrense, Omnia Montaser, Mona El-Aasr, Wesam Salaheldien Meshrif	October 2021International Journal of Cancer and Biomedical Research	Potential anti-diabetic effect of certain plant extracts from the Egyptian flora on type II diabetes using Drosophila melanogaster as an animal model



جامعة طنطا  
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### List of Master thesis

Name of candidate	Title of thesis	Date of award
Ghada Gamal Ragab	Phytochemical and biological investigation of <i>Anabasis articulata</i> (Forsk) Moq growing in Egypt	25/7/2021

### List of PhD thesis

Name candidate	Title of thesis	Date of award



## متابعة تنفيذ الخطة البحثية لقسم الكيمياء الصيدلانية

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
			√				0 PhD	0 PhD	من يوليو إلى ديسمبر 2021
			√				1 Master	1 Master	
				√			4 Articles	9 Articles	

### List of publications

Authors list	Article publication	Article title
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جامعة طنطا  
كلية الصيدلة

Catherine Margaret Moore Qingsong Lin Jigang Wang Pedro Eduardo Ferreira Mitchell A Avery Khaled M Elokely Henry Staines Sanjeev Krishna	biorxiv	Selective inhibition of PfATP6 by artemisinins and identification of new classes of inhibitors after expression in yeast 10/2021
Vedanjali Gogineni, , Manal A. Nael, Narayan D. Chaurasiya, Khaled M. Elokely, Christopher R. McCurdy, John M. Rimoldi, Stephen J. Cutler, Babu L. Tekwani and Francisco León	Biomedicines	Computationally Assisted Lead Optimization of Novel Potent and Selective MAO-B Inhibitors 9/2021



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كلية الصيدلة

<p>Anjela Manandhar, Vunnam Srinivasulu, Mohamad Hamad, Hamadeh Tarazi, Hany Omar, Dennis J. Colussi, John Gordon Wayne Childers, Michael L. Klein, Taleb H. Al-Tel, Magid Abou- Gharbia and Khaled M. Elokely</p>	<p>Journal of chemical information and modeling</p>	<p>Discovery of Novel Small-Molecule Inhibitors of SARS-CoV-2 Main Protease as Potential Leads for COVID-19 Treatment 8/2021</p>
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Raafat El-Awady, Ekram Saleh, Rifat Hamoudi , Wafaa S. Ramadan, Ralph Mazitschek , Manal A. Nael, Khaled M. Elokely , Magid Abou- Gharbia , Wayne E. Childers , Vunnam Srinivasulu, Lujain Aloum, Varsha Menon , Taleb H. Al-Tel	Bioorganic & Medicinal Chemistry42 (2021) 116251	Discovery of novel class of histone deacetylase inhibitors as potential anticancer agents 7/2021
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### List of Master thesis

Name candidate	Title of thesis	Date of award
Kholod Adel	Computational Studies Toward Rational	3/10/2021



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كلية الصيدلة

	Design of Selective HCV NS5A Inhibitors Focusing on Genotype 4	
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## متابعة تنفيذ الخطة البحثية لقسم الأدوية والسموم

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
-	-	-	√				PhD	PhD	من يوليو إلى
			√				Master	Master	ديسمبر
			√				Articles	Articles	2021

### List of publications from July 2021 to December 2021

1-Protective role of irbesartan against cyclophosphamide-induced testicular damage in rats via up-regulating PPAR- $\gamma$ signaling and ameliorating NF- $\kappa$ B/NLRP3/IL-18 inflammatory axis.	Life Sciences. December (2021), 289:120218.	Sally El- Sayed Abu-Risha , Mai Mousa, Alaa Eldin Elsayed Elsis .
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2-Octreotide and melatonin alleviate inflammasome-induced pyroptosis through inhibition of TLR4-NF- $\kappa$ B-NLRP3 pathway in hepatic ischemia/reperfusion injury.	Toxicol Appl Pharmacol, 1, 410:115340.November,2021	Alaa El-Din El-Sayed El-Sisi , Samia Salim Sokar , Abdelhadi Mohamed Shebl , Dina Zakaria Mohamed , Sally El-Sayed Abu-Risha .
3-Novel in vivo potential of trifluoperazine to ameliorate doxorubicin-induced cardiotoxicity involves suppression of NF- $\kappa$ B and apoptosis.	Life Sciences, 283.October ,2021	Ahmed E. Goda , Amr M. Elenany, Alaa E. Elsisì .
4-The ponatinib/gossypol novel combination provides enhanced anticancer activity against murine solid Ehrlich carcinoma via triggering apoptosis and inhibiting proliferation/angiogenesis.	Toxicology and Applied Pharmacology. October (2021), 432, 115767.	Naglaa M. El-Lakkany, Hadeel H. Elkattan, Alaa E. Elsisì (2021).
5-Captopril downregulates expression of Bax/cytochrome C/caspase-3 apoptotic pathway, reduces inflammation, and oxidative stress in cisplatin-induced acute hepatic injury.	Biomedicine & Pharmacotherapy, Volume 139, July 2021, 111670.	Basma G.Eid. Nagla A. El-Shitany.



6-Ellagic acid nanoparticles attenuate oxidative stress and testicular damage in high fat Diet/Streptozotocin-Induced diabetic rats	Journal of King Saud University - Science. Volume 34, Issue 2, February 2022, 101720.	Steve Harakeh, Mohammed Qari, Nisreen Rajeh, Soad Ali, Nagla El-Shitany, Saber Hassan, Elham A Abd-Allah, Hanaa Tashkandi, Muhammad Faraz Arshad Malik, Feras Khaled Aljabri, Leena Azhar, Najiah Azhar, Soad Al-Jaouni, Yousef Almeahmedi, Turki Alamri, Shaker Mousa
7-Thymoquinone nanoparticles protect against cisplatin-induced nephrotoxicity in Ehrlich carcinoma model without compromising cisplatin anti-cancer efficacy.	Journal of King Saud University - Science, Volume 34, Issue 1, January 2022, 101675.	Steve Harkaeh, Yousef Qari, Hanaa Tashkandi, Mohammed Almuhayawi, Saber H Saber, Nagla El-Shitany, Soad Shaker, Filipa Lucas, Turki Alamri, Soad Al-Jaouni, Shaker Mousa
8-Chamomile flower extract ameliorates biochemical and histological kidney dysfunction associated with polycystic ovary syndrome.	Saudi Journal of Biological Sciences, Volume 28, Issue 11, November 2021, Pages 6158-6166.	Ahlam A Alahmadi, Bassam A Alahmadi, Lobna F Wahman, Nagla A El-Shitany.



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9-Antibacterial Activity of <i>Boswellia sacra</i> Flueck. Oleoresin Extract against <i>Porphyromonas gingivalis</i> Periodontal Pathogen.	Antibiotics 2021, 10, (7), 859.	Attallah, N. G.; Negm, W. A.; Elekhrawy, E.; Altwaijry, N.; Elmongy, E. I.; El-Masry, T. A.; Alturki, E. A.; Yousef, D. A.; Y Shoukheba, M.,
10-Elucidation of Phytochemical Content of <i>Cupressus macrocarpa</i> Leaves: In Vitro and In Vivo Antibacterial Effect against Methicillin-Resistant <i>Staphylococcus aureus</i> Clinical Isolates.	Antibiotics 2021, 10, (8), 890.	Attallah, N. G. M.; Negm, W. A.; Elekhrawy, E.; Elmongy, E. I.; Altwaijry, N.; El-Haroun, H.; El-Masry, T. A.; El-Sherbeni, S. A.,
11-Antibacterial, Immunomodulatory, and Lung Protective Effects of <i>Boswelliadalzielii</i> Oleoresin Ethanol Extract in Pulmonary Diseases: In Vitro and In Vivo Studies.	Antibiotics November 2021, 10, (12), 1444.	Alotaibi, B.; Negm, W. A.; Elekhrawy, E.; El-Masry, T. A.; Elseady, W. S.; Saleh, A.; Alotaibi, K. N.; El-Sherbeni, S. A.,
12-Promising Antiviral Activity of <i>Agrimonia pilosa</i> Phytochemicals against Severe Acute Respiratory Syndrome Coronavirus 2 Supported with In Vivo Mice Study.	Pharmaceuticals December 2021, 14, (12), 1313.	Attallah, N. G.; El-Kadem, A. H.; Negm, W. A.; Elekhrawy, E.; El-Masry, T. A.; Elmongy, E. I.; Altwaijry, N.; Alanazi, A. S.; Al-Hamoud, G. A.; Ragab, A. E.,



13-Nicaraven prevents the fast growth of inflamed tumors by an anti-inflammatory mechanism	Medical Oncology (2022) 39:7	Lina Abdelghany · Xu Zhang <sup>1</sup> · Tsuyoshi Kawabata <sup>1</sup> · Shinji Goto · Nageh El-Mahdy · Keiichi Jingu · Tao-Sheng .
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### Master thesis 2021

Name of candidate	Title of thesis	Date of award
Doaa Yosry Khera	The potential beneficial effects of sildenafil and diosmin on experimentally-induced peptic ulcer in rats	7/2021
Mohammed Fathi Saleh	Investigation of the potential dichloroacetate to ameliorate doxorubicin induced cardiotoxicity in mice	8/2021



Esraa Hamed Afifi	Potential protective effects of Angiotensin II receptor blockers (losartan) and Ginko biloba on experimentally induced chronic obstructive pulmonary disease in rats	10/2021
Sara Fekry El-Sayad	Effect of some short and long acting $\beta$ 2 agonists on the inflammatory mediators released from lung tissue and alveolar macrophages isolated from ova albumin sensitized rat.	11/2021
Amr Mostafa El-anany	Investigation of the influence of some phenothiazine antipsychotics on doxorubicin induced cardiotoxicity	12/2021

### List of PhD thesis 2021

Name candidate	Title of thesis	Date of award
Hanaa Adel Hasaneen Abd-EL-Kareem	Potential modulation of anti-cancer activity of Imatinib by P-glycoprotein	10/2021



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	inhibitors in experimentally induced solid Ehrlich carcinoma in mice	
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رئيس القسم

اد/نجلاء عبدالعزيز الشيتانى

## متابعة تنفيذ الخطة البحثية لقسم الصيدلة الإكلينيكية

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
		لا يوجد	✓				1 PhD	0 PhD	من يوليو إلى ديسمبر 2021
			✓				6 Master	3 Master	
			✓				7 Articles	2 Articles	

### List of publications

Authors list	Article publication	Article title
Sahar M. El-Haggar , Sahar K. Hegazy, Sherief M. Abd-Elsalam, Mostafa M Bahaa	J Clin Pharm Ther. 2021;00:1-7.	Open-label pilot study of ethosuximide as adjunctive therapy for relieving abdominal pain related to Irritable Bowel Syndrome
Sahar M. El-Haggar , Sahar K. Hegazy, Sherief M. Abd-Elsalam, Mostafa M Bahaa	Biomedicine & Pharmacotherapy 145 (2022) 112399	Pentoxifylline, a nonselective phosphodiesterase inhibitor, in adjunctive therapy in patients with irritable bowel syndrome treated with mebeverine
Eman Ghonaim, Sahar El-Haggar, Suzy Gohar	Medical Oncology, 2021 38:108	Possible protective effect of pantoprazole against cisplatin-induced nephrotoxicity in head and neck cancer patients: a randomized





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		controlled trial
Aya Gamal Moussa, Gamal Abdelkhalek Alazab, Osama Mohamed Ibrahim, Yasser Mohamed Abdelraouf	J Diabetes Metab, Vol. 12 Iss. 8 No: 890	Effect of Vildagliptin versus Vildagliptin plus Metformin on Nonalcoholic Fatty Liver Disease Patients with Type 2 Diabetes Mellitus
Doaa ElAmrousy, Dalia El-Afify, Rasha Khedr, Ashraf Mohamed Ibrahim	Pediatr Blood Cancer.2021;e29496.	Omega3fattyacids can reduce early doxorubicin-induced cardiotoxicity in children with acute lymphoblastic leukemia
Tarek M. Mostafa, , Mohamed A. Alm El-Din, Amira R. Rashdan.	Saudi Med J 2022; Vol. 43 (1)	Celecoxib as an adjuvant to chemotherapy for patients with metastatic colorectal cancer A randomized controlled clinical study
Tarek M. Mostafa, Gamal A. El-azab, Gamal A. Badra, Alyaa S. Abdelwahed, Abeer A. Elsayed	Current Therapeutic Research 95 (2021) 100654	Effect of Candesartan and Ramipril on Liver Fibrosis in Patients with Chronic Hepatitis C Viral Infection: A Randomized Controlled Prospective Study

### List of Master thesis

Name of candidate	Title of thesis	Date of award
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Mohamed ahmed mahrous	Comparative study between the clinical effect of palonsetron and granisetron as antiemetic therapy in combination with dexamethasone in patients receiving highly emetogenic chemotherapy regimens	7/2021
Nouran salah lotfi	Comparative study between three therapeutic options for treatment of chronic obstructive pulmonary disease patients	8/2021
Khadiga ahmed galal	Clinical study evaluating the efficacy and safety of nitazoxanide in preventing recurrence of hepatic encephalopathy	11/2021
Sally saied tantawy	Clinical study evaluating the efficacy and safety of montelukast in the treatment of non-alcoholic steatohepatitis	11/2021
Amany el-sayed taalab	Implication of adipokines, inflammation, insulin resistance and endothelial dysfunction in the pathogenesis of pre-eclampsia and in pregnancy related complications	12/2021
Eman mohammed hamdy	Effect of Daclatasvir plus sofosbuvir therapy on angiogenesis in Egyptian patients with chronic HCV infection	12/2021

### List of PhD thesis

Eman Maamoun El-khateeb	Optimising translation aspects of physiologically-based pharmacokinetic modeling and simulation to aid precision dosing in liver cirrhosis	9/2021
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## متابعة تنفيذ الخطة البحثية لقسم الكيمياء الحيوية

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
لا يوجد			✓				0 PhD	0 PhD	من يوليو
			✓				2 Master	1 Master	إلى ديسمبر
			✓				7 Articles	4 Articles	2021

### List of publications

Authors list	Article publication	Article title
El-Ashmawy NE, Gawaly AM, Batanony HAE, Khedr NF	Research Square. (2021) pp. 1-16. DOI: <a href="https://doi.org/10.21203/rs.3.rs-776039/v1">https://doi.org/10.21203/rs.3.rs-776039/v1</a>	Regulation of microRNA 103 and 107 in obese T2DM patients maintained on metformin



جامعة طنطا  
كلية الصيدلة

El-Ashmawy NE, Salem ML, Abd El-Fattah EE, Khedr EG	Toxicology and applied pharmacology. (2021) Vol. 429, pp. 115699	Targeting CD166+ lung cancer stem cells: Molecular study using murine dendritic cell vaccine
Khedr NF, El-Ashmawy NE, Hagagg A, El-Bahrawy HA, El-Abd EE	International Journal of Cancer and Biomedical Research. (2021) Vol. 5, pp. 31. DOI: 10.21608/JCBR.2021.59559.1132	A Biochemical study on the effect of some treatments on bone resorption and formation in osteoporotic rats
Khedr NF, Werida R	Life Sciences. (2021) pp. 120025. DOI: <a href="https://doi.org/10.1016/j.lfs.2021.120025">https://doi.org/10.1016/j.lfs.2021.120025</a>	L-carnitine modulates autophagy, oxidative stress and inflammation in trazodone induced testicular toxicity
Elfarargy MS, Al-Ashmawy G M, Abu-Risha S, Khattab H	Endocrine, Metabolic & Immune Disorders Drug Target. (2021). DOI: 10.2174/1871530321666210729113515	Novel adjuvant therapy with zinc supplementation in neonatal respiratory distress syndrome
Abdel Ghafar MT, El- Rashidy MA, Gharib F, Al- Ashmawy GM	Environmental and Molecular Mutagenesis. (2021) Vol. 62, issue 7, pp. 399-408	Impact of XRCC1 genetic variants on its tissue expression and breast cancer risk: A case-control study
Elfarargy MS, Abu-Risha S, Al-Ashmawy G, Khattab H	Endocrine, Metabolic & Immune Disorders Drug Targets. (2021). DOI: 10.2174/1871530321666210921120258	Serum vitamin A levels as a novel predictor for respiratory distress syndrome in neonates: is it beneficial?



جامعة طنطا  
كلية الصيدلة

## List of Master thesis

Name of candidate	Title of thesis	Date of award
Eslam Elsayed Abdelfattah Mohammed	Tumor cell lysate loaded dendritic cell vaccine for treatment of lung cancer	29/7/2021
Enas Atef Ali El-mokadem	Biochemical mechanisms by which dietary whey protein combats type 2 diabetes	31/8/2021

**Head of Department**

**Prof. Dr. Eman Gouda Khedr**

## متابعة تنفيذ الخطة البحثية لقسم الميكروبيولوجيا الصيدلانية

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
			✓				0 PhD	0 PhD	من يوليو إلى ديسمبر 2021
			✓				1 Master	1 Master	
			✓				11 Articles	6 Articles	



جامعة طنطا  
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**List of publications From July to December 2021**

	<b>Authors list</b>	<b>Article publication</b>	<b>Article title</b>
1	Nashwah GM Attallah, Walaa A Negm, Engy Elekhrawy, Najla Altwaijry, Elshaymaa I Elmongy, Thanaa A El-Masry, Eman A Alturki, Doaa A Yousef, Malak Y Shoukheba	<i>Antibiotics</i> 2021, 10(7), 859; <a href="https://doi.org/10.3390/antibiotics10070859">https://doi.org/10.3390/antibiotics10070859</a> (Published: 15 July 2021)	Antibacterial Activity of <i>Boswellia sacra</i> Flueck. Oleoresin Extract against <i>Porphyromonas gingivalis</i> Periodontal Pathogen
2	Nashwah GM Attallah, Walaa A Negm, Engy Elekhrawy, Elshaymaa I Elmongy, Najla Altwaijry, Hala El-Haroun, Thanaa A El-Masry, Suzy A El-Sherbeni	<i>Antibiotics</i> 2021, 10(8), 890; <a href="https://doi.org/10.3390/antibiotics10080890">https://doi.org/10.3390/antibiotics10080890</a> (Published: 22 July 2021)	Elucidation of Phytochemical Content of <i>Cupressus macrocarpa</i> Leaves: In Vitro and In Vivo Antibacterial Effect against Methicillin-Resistant <i>Staphylococcus aureus</i> Clinical Isolates
3	<u>A.A. Abdelaziz, M.A. El-Barrawy, R.A.M. El-Nagar</u>	Journal of Applied Microbiology DOI: <a href="https://doi.org/10.1111/jam.14968">10.1111/jam.14968</a> (Published: 2021-07-30)	<i>Potent synergistic combination of rosvastatin and levofloxacin against Staphylococcus aureus : in vitro and in vivo study</i>
4	Walaa A Negm, Mona El-Aasr, Amal Abo Kamer, Engy Elekhrawy	<i>Pharmaceuticals</i> 2021, 14(8), 756; <a href="https://doi.org/10.3390/ph14080756">https://doi.org/10.3390/ph14080756</a> (Published: 1 August 2021)	Investigation of the Antibacterial Activity and Efflux Pump Inhibitory Effect of <i>Cycas thouarsii</i> R.Br. Extract against <i>Klebsiella pneumoniae</i> Clinical Isolates



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5	Arwa Mohamed, Mosab Hamdan, Suleman Khan, Ahmed Abdelaziz, Sharief F Babiker, Muhammad Imran, MN Marsono	<u>Computer Networks</u> <u>Volume 195</u> , 108151 (Published: 4 August 2021)	Software-defined networks for resource allocation in cloud computing: A survey
6	Eram Sharmin, Afnan S Batubara, Bushra Abdulrahman Tamboosi, Elaf Bander Al Khozay, Maha Khalid Alamoudi, Ohoud Zaki Al Aidaroods, Jana Abdullaziz Albenayan, Majd Yousuf Lamfon, Afnan Abdulhamaid Hassan Sindi, Lamiaa A Al-Madboly, Nagwa A Shoeib, Manawwer Alam	<i>Inorganic and Nano-Metal Chemistry</i> , 2021. Pages 1-9 (Published: 30 Aug 2021)	PVA nanocomposite hydrogel loaded with silver nanoparticles enriched <i>Nigella sativa</i> oil
7	Nehal El-Deeb, Lamiaa Al-Madboly	Probiotics, Nat Microbiota in Living Org Fundam, Appl 2 (Published: 22 September 2021)	Probiotics and GIT diseases/stomach ulcer
8	Brekhna Hassan, Muhammad Ijaz, Asadullah Khan, Kirsty Sands, Georgios-Ion Serfas, Liam Clayfield, Maisra Mohammed El-Bouseary, Giulia Lai, Edward Portal, Afifah Khan, William J. Watkins, Julian	<u>Nature Microbiology</u> 6(10):1-12 DOI: <a href="https://doi.org/10.1038/s41564-021-00965-1">10.1038/s41564-021-00965-1</a> (Published: October 2021)	A role for arthropods as vectors of multidrug-resistant Enterobacterales in surgical site infections from South Asia





	Parkhill & Timothy R. Walsh		
9	Badriyah Alotaibi, Walaa A Negm, Engy Elekhrawy, Thanaa A El-Masry, Walaa S Elseady, Asmaa Saleh, Khalid N Alotaibi, Suzy A El-Sherbeni	<i>Antibiotics</i> 2021, 10(12), 1444; <a href="https://doi.org/10.3390/antibiotics10121444">https://doi.org/10.3390/antibiotics10121444</a> (Published: 25 November 2021)	Antibacterial, Immunomodulatory, and Lung Protective Effects of <i>Boswelliadalzielii</i> Oleoresin Ethanol Extract in Pulmonary Diseases: In Vitro and In Vivo Studies
10	Mosab Hamdan, Suleman Khan, Ahmed Abdelaziz, Shahidatul Sadiyah, Nasir Shaikh-Husin, Sattam Al Otaibi, Carsten Maple, MN Marsono	<i>Computer Communications</i> <a href="#">Volume 180</a> , Pages 315-327 (Published: 1 December 2021)	DPLBAnt: Improved load balancing technique based on detection and rerouting of elephant flows in software-defined networks
11	Nashwah GM Attallah, Aya H El-Kadem, Walaa A Negm, Engy Elekhrawy, Thanaa A El-Masry, Elshaymaa I Elmongy, Najla Altwaijry, Ashwag S Alanazi, Gadah Abdulaziz Al-Hamoud, Amany E Ragab	<i>Pharmaceuticals</i> 2021, 14(12), 1313; <a href="https://doi.org/10.3390/ph14121313">https://doi.org/10.3390/ph14121313</a> (Published: 16 December 2021)	Promising Antiviral Activity of <i>Agrimonia pilosa</i> Phytochemicals against Severe Acute Respiratory Syndrome Coronavirus 2 Supported with In Vivo Mice Study

### List of Master thesis

Name of candidate	Title of thesis	Date of award
Rana El-Nagar	Possible synergistic effect of statin with antibiotics against bacterial infections.	10/ 7/ 2021





متابعة تنفيذ الخطة البحثية لقسم الكيمياء التحليلية  
الصيدلانية لعام 2021

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
الحرص على تحقيق المستهدف دائما	-----	لا توجد	√				2PhD	1PhD	يوليو 2021 و حتى ديسمبر 2021
			√				4 Master	1Master	
			√				14Articles	2Articles	

**List of publications**

Article title	Journal	Authors list
Four chemometric spectrophotometric methods for simultaneous estimation of amlodipine besylate and	Spectrochimica Acta Part A: Molecular and Biomolecular	Amira H. Kamal , Sherin F. Hammad, Doaa N.



olmesartan medoxomil in their combined dosage form	Spectroscopy,266 (2022) 1-6	Kamel
Carbon quantum dots as a sensitive fluorescent probe for quantitation of pregabalin; application to real samples and content uniformity test	Luminescence, October (2021) 1-7.	Mohamed Abdelhamid, Mokhtar Mabrouk, Hytham Ahmed, Hany Batakoushy and Basant Samy
Spectroscopic methods for determination of critical micelle concentrations of surfactants; a comprehensive review	Applied Spectroscopy Reviews, 2021	Mokhtar M. Mabrouk, Nouran A. Hamed and Fotouh R. Mansour
Simple Spectrophotometric Method to Measure Surfactant CMC by Employing the Optical Properties of Curcumin's Tautomers	Journal of Chemical Education 8 (2021), 2603-2609	Mokhtar M. Mabrouk, Nouran A. Hamed, and Fotouh R. Mansour
Sugaring-out induced homogeneous liquid-liquid microextraction as an alternative mode for biological sample preparation: A comparative study	Journal of Separation Science, 44 (2021) 1-9.	Inas A. Abdallah, Sherin F. Hammad, Alaa Bedair and Fotouh R. Mansour
A green homogeneous liquid-liquid microextraction method for spectrophotometric determination of daclatasvir in human plasma	Sustainable Chemistry and pharmacy, 22 (2021), 1-9, 100498	Inas A. Abdallah , Sherin F. Hammad , Alaa Bedair , Fotouh R. Mansour .
Homogeneous liquid–liquid extraction as an alternative sample preparation technique for biomedical analysis	Journal of Separation Science (2021)	Sherin F. Hammad Inas A. Abdallah Alaa Bedair Fotouh R. Mansour



Green spectrophotometric methods for determination of a monosodium glutamate in different matrices	Microchemical Journal, 169 (2021) 106622	Heba M. Ali, Sherin F. Hammad, Samah F. El-Malla
Quantitative Determination of Amlodipine and Valsartan in Pharmaceutical Dosage Form	J Adv Med Pharm Res, 2 (2021), 48-55	Sherin Hammad, Samar Abu Khashaba, Samah El-Malla
Analysis of Counterfeit Sildenafil by validated UV Spectrophotometric Methods	J Adv Med Pharm Res. 2 (2021) 56-63	Amira H. Kamal*, Mokhtar M. Mabrouk, Sherin F. Hammad, Badiea M. Soliman
HPLC/ELSD Determination and Validation of Alpha Lipoic Acid and Sucralose in bulk and in their pharmaceutical dosage forms	Journal of advanced medical and pharmaceutical research, volume 2 (2021), 39-47	Mokhtar M. Mabrouk,, Nourhan M. Abdelbarey,, Miranda F. Kamal
A dispersive liquid–liquid microextraction method based on solidification of floating organic droplet for determination of antiviral agents in environmental water using HPLC/UV	Microchemical Journal, 171 (2021) 106790	RE Kannouma, MA Hammad, AH Kamal, FR Mansour
Glycerol as a novel green mobile phase modifier for reversed phase liquid chromatography	Microchemical Journal, 169 (2021) 106587	A Habib, MM Mabrouk, M Fekry, FR Mansour
Effect of ethoxylated sorbitan ester surfactants on the chromatographic efficiency of poly (ethylene glycol)-based monoliths	Journal of Chromatography A 1654 (2021) 462464	FR Mansour, CT Desire, EF Hilder, RD Arrua



## List of Thesis

Thesis title	Type	Candidate name	Advisory committee	Date of defense day	Date for Award
Solute-out assisted liquid extraction of selected pharmaceutical compounds from biological samples	Master	Alaa Mostafa	<ul style="list-style-type: none"><li>Sherin Hammad</li><li>Fotouh Rashed</li><li>Enas Ali</li></ul>	06/11/2021	30/11/2021
Introduction of new mobile phase(s) for green liquid chromatography	Master	Marwa Fekry	<ul style="list-style-type: none"><li>Ahmed Habib</li><li>Mokhtar Mabrouk</li><li>Fotouh Rashed</li></ul>	18/08/2021	10/10/2021
Analysis of some non- or weakly UV absorbing pharmaceutical compounds	Master	Nourhan Mohammed	<ul style="list-style-type: none"><li>Mokhtar Mabrouk</li><li>Miranda Fawzy Kamal</li></ul>	28/08/2021	29/09/2021
Liquid microextraction for determination of selected pharmaceutical compounds	Master	Reham Kannoma	<ul style="list-style-type: none"><li>Fotouh Rashed</li><li>Amira Hassan</li><li>Mohammed Abd El-Khalek</li></ul>	03/08/2021	31/08/2021
The use of molecular imprinted polymers in pharmaceutical analysis	Ph.D.	Aya Atef	<ul style="list-style-type: none"><li>Mokhtar Mabrouk</li><li>Sherin Hammad</li><li>Fotouh Rashed</li></ul>	04/11/2021	29/11/2021
Enhancing the sensitivity of selected analytical methods for determination of some antidiabetic drugs	Ph.D.	Heba Mohamed Yahya	<ul style="list-style-type: none"><li>Mokhtar Mabrouk</li><li>Fotouh Rashed</li></ul>	08/08/2021	29/09/2021