

متابعة الخطة البحثية للكلية لعام 2024

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			
-	-	-	√				1 PhD	1PhD	من يناير الي ديسمبر ٢٠٢٤
			√				7 Master	2Master	
			√				53 Articles	6Articles	



List of publications from January 2024 to December 2024:

Article title	Article publication	Journal quartile	Authors list	الابحاث المشتركة		
				مشترك بين الاقسام العلمية بالكلية	مشتركة بين الكلية و مؤسسات محلية	مشتركة بين الكلية و مؤسسات دولية
1- TLR4 inhibitors through inhibiting (MYD88-TRIF) pathway, protect against experimentally induced intestinal (I/R) injury	International Immunopharmacology (2٠٢٤), Volume 136, 112421	Q1	Enass Y Osman, Hader I Abdelghafar, Alaa E El-Sisi	-	-	-
٢- Donepezil and quercetin alleviate valproate-induced testicular oxidative stress, inflammation and apoptosis: Imperative roles of AMPK/SIRT1/ PGC-1 α and p38-MAPK/NF- κ B/ IL-1 β signalling cascades	International Immunopharmacology (2٠٢٤), Volume 134, ١١٢٢٤	Q1	Sally E Abu-Risha, Samia S Sokar, Kawthar E Elzorkany, Alaa E Elsis	-	-	-

٣- Cilostazol protects against gastric ulcers by regulating PPAR- γ , HO-1, PECAM-1, pErk-1, NF- κ B, Bcl-2, and cleaved caspase-3 protein expression	Naunyn-Schmiedeberg's Archives of Pharmacology (2024), Volume 397, pages 9033–9050	Q2	Nagla A El-Shitany , Eman A El-Saidy, Mostafa E El-Naggar, Samia S Sokar	-	√	-
٤- The emerging role of α 7nAChRs/caspase-3/Nrf-2 signaling pathway in citicoline improved autistic behavior induced by thimerosal in mice	International Immunopharmacology (2024), Volume 130, 111736	Q1	Nourhan A Khattab , Aya H El-Kadem, Samar S Elblehi, Nageh Ahmed El-Mahdy , Nagla A El-Shitany	-	√	-
٥- Protective Effects of Golden Berry (<i>Physalis peruviana</i> L.) Juice against Diabetic Renal Injury in Rats	Egyptian Journal of Veterinary Sciences (2024), Volume 56, Pages 1135-1384	Q4	Haya Aljadani, Heba Shehta, Hala Abd ElRhman Khattab, Nagla El-Shitany	-	√	√
٦- Fabrication of Nanocrystals for Enhanced Distribution of a Fatty Acid Synthase Inhibitor (Orlistat) as a Promising Method to Relieve Solid Ehrlich Carcinoma-Induced Hepatic Damage in Mice	Pharmaceuticals (2024), Volume 17, Issue 1, p. 96	Q1	Jawaher Abdullah Alamoudi, Thanaa A El-Masry , Mohamed Nasr, Ismail T Ibrahim, Hanaa A Ibrahim , Hebatallah M Saad, Maysa MF El-Nagar, Samar Zuhair Alshawwa, Amal Alrashidi, Enas I El Zahaby	-	√	√



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^٧ -Trifluoperazine mitigates cyclophosphamide-induced hepatic oxidative stress, inflammation, and apoptosis in mice by modulating the AKT/mTOR-driven autophagy and Nrf2/HO-1 signaling cascades	Life Sciences(2024), Volume 344 , 122566	Q1	Ahmed K Saleh, Nageh A El-Mahdy, Thanaa A El-Masry, Aya H El-Kadem	-	-	-
^٨ -Potential Antitumor Activity of Combined Lycopene and Sorafenib against Solid Ehrlich Carcinoma via Targeting Autophagy and Apoptosis and Suppressing Proliferation	Pharmaceuticals(2024), Volume 17, Issue 4	Q1	Thanaa A El-Masry, Maysa MF El-Nagar, Nageh A El Mahdy, Fatemah A Alherz, Reham Taher, Enass Y Osman	-	-	√
^٩ -New insights into the anticancer effects of Polycladia crinita aqueous extract and its selenium nanoformulation against the solid Ehrlich carcinoma model in mice via VEGF, notch 1, NF-κB, cyclin D1, and caspase 3 signaling pathway	Frontiers in Pharmacology (2024), Volume 15,1345516	Q1	Badriyah S Alotaibi, Thanaa A El-Masry , Hend Selim, Maisra M El-Bouseary, Mostafa M El-Sheekh, Mofida EM Makhlof, Maysa MF El-Nagar	√	√	√



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1٠-Even one dose of tocilizumab could hinder bad prognosis of cytokines storm in COVID-19 patients	Cytokine(2024), Volume 173 , 156433	Q2	Mohamed Abdel-Salam Elgohary, Asmaa Ali, Sumaiah J Alarfaj, Hesham Shahin, Ashraf Ibrahim Zaki, Eman Medhat Hasan, Mohamed Emam Mohamed, Ahmad Mahmoud Elkholy, Thanaa A El-Masry , Mohammed Ali AbdelRahim, Ashgan Wageh Saber, Mohamed G Seadawy, Mohamed HM Elshishtawy, Maisra M El-Bouseary	√	√	√
1١-In Vivo and in Vitro Mitigation of Salmonella Typhimurium Isolates by Fortunella Japonica Fruit Extract	Current Microbiology(2024), Volume 81, article number 262	Q3	Badriyah Alotaibi, Thanaa A El-Masry , Walaa A Negm, Asmaa Saleh, Khalid Nijr Alotaibi, Manal E Alosaimi, Engy Elekhrawy	√	√	√
1٢-The relation between Parkinson's disease and non-steroidal anti-inflammatories; a systematic review and meta-analysis	Frontiers in Pharmacology(2024), Volume 15,1434512	Q1	Amal Mohammad Badawoud, Lashin Saad Ali, Mahmoud S Abdallah, Ramy M Elsabaa, Mostafa M Bahaa, Thanaa A Elmasry , Eman Wahsh, Mohamed Yasser, Nashwa Eltantawy, Mamdouh Eldesoqui, Manal A Hamouda	-	√	√
1٣-Chitosan/Hesperidin Nanoparticles for Sufficient, Compatible, Antioxidant, and Antitumor Drug Delivery Systems	Pharmaceuticals(2024), Volume 17 ,Issue 8	Q1	May Almukainzi, Thanaa A El-Masry , Enas I El Zahaby, Maysa MF El-Nagar	-	√	√

1٤-A randomized controlled trial comparing tacrolimus versus hydrocortisone for the treatment of atopic dermatitis in children: new perspectives on interferon gamma-induced protein and growth-related oncogene- α	Frontiers in Medicine(2024), Volume 11,1399305	Q1	Ammena Y Binsaleh, Mostafa M Bahaa, Thanaa A Elmasry , Eman I Elberri, Fedaa A Kotkata, Eman El-Khateeb, Marwa Kamal, Marwa Ahmed El-Samongy, Amir O Hamouda, Amira M Alghamdi, Sarah Alrubia, Muhammed M Salahuddin, Nashwa Eltantawy	√	√	√
1٥-Correlation between depression scores and serum NF- κ B/NLRP3 axis, biotinidase, and HMGB1 after treatment with isotretinoin in patients with acne vulgaris	journal of cosmetic dermatology(2024),Volume23, Issue10,Pages 3409-3417	Q2	Mohamed Yasser PhD, Eman El-Khateeb PhD, Nawal Alsubaie PHD, Marwa Ahmed El-samongy MD,Eman Wahsh PHD,Muhammed M. Salahuddin PhD,Amir O. Hamouda PhD, Walaa A. Negm PhD, Thanaa A. Elmasry PhD	√	√	√
1٦-Effect of a high dose atorvastatin as added-on therapy on symptoms and serum AMPK/NLRP3 inflammasome and IL-6/STAT3 axes in patients with major depressive disorder: randomized controlled clinical study	Frontiers in Pharmacology(2024),Volume 15 ,1381523	Q1	Khlood Mohammad Aldossary, Lashin Saad Ali, Mahmoud S Abdallah, Mostafa M Bahaa, Thanaa A Elmasry , Eman I Elberri, Fedaa A Kotkata, Ramy M El Sabaa, Yasmine M Elmorsi, Mostafa M Kamel, Walaa A Negm, Aya Ibrahim Elberri, Amir O Hamouda, Hayam Ali AlRasheed, Muhammed M Salahuddin, Mohamed Yasser, Manal A Hamouda	√	√	√

1 ^٧ -New insights into the potential cardioprotective effects of telmisartan and nanoformulated extract of <i>Spirulina platensis</i> via regulation of oxidative stress, apoptosis, and autophagy in an experimental model	Frontiers in Pharmacology (2024), Volume 15, 1380057	Q1	May Almukainzi, Thanaa A El-Masry , Hanaa A Ibrahim , Hebatallah M Saad, Enas I El Zahaby, Asmaa Saleh, Maysa MF El-Nagar	-	√	√
1 ^٨ -Bilosomes As Oral Drug Delivery Carrier	Journal of Advanced Medical and Pharmaceutical Research(2024),Volume 5, Issue 2,Pages 49-55	-	Toka Tarek Elebyary, Amal Sultan, Sally Abu-Risha , Gamal El Maghraby	√	-	√
1 ^٩ -Chitosan coated lipid carriers as nanoplatform for repurposed anti-breast cancer activity of niclosamide	Journal of Drug Delivery Science and Technology (2024), Volume 93, 105414	-	Nancy E Elkholy, Amal A Sultan, Sally E Abu-Risha , Gamal M El Maghraby	√	√	√
2 ^٠ - Tiron ameliorates acetic acid-induced colitis in rats: Role of TGF-β/EGFR/PI3K/NF-κB signaling pathway	International Immunopharmacology(2024), Volume 128, , 111587	Q1	Raghda N El Mahdy, Manar A Nader, Manar G Helal, Sally E Abu-Risha , Marwa E Abdelmageed	-	√	-

2 ^١ - Targeting SRD5A1 and MMP-2/NLRP3/TGF-β1 axis alleviates the amlodipine-induced gingival hyperplasia in rats: Emerging role of saw palmetto and folic acid	Food and Chemical Toxicology(2024),Volume 189, 114731	Q1	Manar Mohammed El Tabaa, Mahmoud Moustafa Aboud, Anis Anis, Eman Rashad, Samia Salem Sokar	-	√	-
2 ^٢ - Neohesperidin-loaded microemulsion for improved healing of Acinetobacter baumannii-infected wound	Journal of Drug Delivery Science and Technology(2024),Volume 98,105905	Q1	Aya H El-Kadem , Walaa A Negm, Engy Elekhawwy, Reem Binsuwaidan, Nashwah GM Attallah, Ehssan Moglad, Amal A Sultan	√	√	√
2 ^٣ - High-resolution respirometry reveals altered mammalian tissue ketone body oxidation in different cardiometabolic diseases	bioRxiv (2024)	-	Elric Zweck, Sarah Piel, Johannes Schmidt, Daniel Scheiber, Martin Schoen, Sabine Kahl, Volker Burkart, Bedair Dewidar , Ricarda Remus, Alexandra Chadt, Hadi Al-Hasani, Hug Aubin, Udo Boeken, Artur Lichtenberg, Amin Polzin, Malte Kelm, Ralf Westenfeld, Robert Wagner, Julia Szendroedi, Michael Roden, Cesare Granata	-	-	√
2 ^٤ - TGFβR1 inhibition drives hepatocellular carcinoma proliferation through induction of toll-like-receptor signalling	International Journal of Experimental Pathology(2024), Volume105, Issue2,Pages 64-74	Q3	Fatma El Zahraa Ammar Mohamed, Bedair Dewidar , Tao Lin, Matthias P Ebert, Steven Dooley, Nadja M Meindl-Beinker, Seddik Hammad	-	√	√

2 ^٥ - 1578-P: Recombinant Decorin Improves Features of Diabetes-Related Steatotic Liver Disease in Mice	Diabetes(2024), Volume 73	Q2	Bedair Dewidar , Aslihan Yavas, Cesare Granata, Nina Trinks, Lucia Mastrototaro, Irene Esposito, Michelle Reinadofundo, Michael Roden	-	-	√
2 ^٦ - 293-OR: Improvement of Tissue-Specific Insulin Sensitivity after Bariatric Surgery Does Not Restore Hepatic OXPHOS Capacity	Diabetes(2024), Volume 73	Q2	Sabine Kahl, Jennifer Puetzer-Furmanczak, Nina Trinks, Bedair Dewidar , Kalliopi Pafili, Sandra Trenkamp, Irene Esposito, Matthias Schlensak, Frank A Granderath, Michael Roden	-	-	√
2 ^٧ - Loss of mitochondrial adaptation associates with deterioration of mitochondrial turnover and structure in metabolic dysfunction-associated steatotic liver disease	Metabolism(2024), Volume 151, 155762	Q1	Theresia Sarabhai, Sabine Kahl, Sofiya Gancheva, Lucia Mastrototaro, Bedair Dewidar , Dominik Pesta, Jacqueline M Ratter-Rieck, Pavel Bobrov, Kay Jeruschke, Irene Esposito, Matthias Schlensak, Michael Roden	-	-	√
2 ^٨ - Adaptive universal platform for real-world observational studies (AUPROS): An emerging model for clinical, epidemiologic, and	Cancer Research(2024), Volume 84, page 926	Q1	Samir H Barghout , Stavroula Raptis, Luna Jia Zhan, Faisal Al-Agha, M Catherine Brown, Devalben Patel, Geoffrey Liu	-	-	√



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precision oncology research						
٢٩- Treatment patterns and outcomes in KRASG12C-positive advanced NSCLC patients previously treated with immune checkpoint inhibitors: A Canada- wide real-world, multi-center, retrospective cohort study	Lung Cancer(2024), Volume 194, 107898	Q1	Samir H Barghout , Luna Jia Zhan, Starvroula Raptis, Faisal Al-Agha, Niki Esfahanian, Aimee Popovacki, Goulnar Kasymjanova, Francis Proulx-Rocray, Sze Wah Samuel Chan, Matthew Richardson, M Catherine Brown, Devalben Patel, Michelle Liane Dean, Vishal Navani, Erica Moore, Lane Carvery, Elizabeth Yan, Daniel Goldshtein, Jasmine Cleary- Gosine, Amanda JW Gibson, Lynn Hubley, Karmugi Balaratnam, Tran Ngo, Azee Gill, Morgan Black, Adrian Sacher, Penelope A Bradbury, Frances A Shepherd, Natasha Leighl, Parneet Cheema, Sara Kuruvilla, Jason Agulnik, Shantanu Banerji, Rosalyn Juergens, Normand Blais, Winson Cheung, Paul Wheatley-Price, Geoffrey Liu, Stephanie Snow	-	-	✓



30-Nicaraven attenuates the acquired radioresistance of established tumors in mouse models via PARP inhibition.	Molecular and Cellular Biochemistry(2024),Volume 479, Issue 3	Q3	Kai Huang, Chen Yan, Lina Abdelghany , Xu Zhang, Keiichi Jingu, Tao-Sheng Li	-	-	√
31-Fenofibrate as an Adjunct Therapy for Ulcerative Colitis: Targeting Inflammation via SIRT1, NLRP3, and AMPK Pathways: A Randomized Controlled Pilot Study	Drug Design, Development and Therapy(2024),Volume 18,Pages 5239-5253	Q1	Sumaiah J Alarfaj, Mostafa M Bahaa, Thanaa A Elmasry , Eman I Elberri, Eman El-Khateeb, Amir O Hamouda, Muhammed M Salahuddin, Marwa Kamal, Abdel-Naser Abdel-Atty Gadallah, Nashwa Eltantawy, Mohamed Yasser, Walaa A Negm, Manal A Hamouda, Amsha S Alsegiani, Sarah Alrubia, Mamdouh Eldesoqui, Mahmoud S Abdallah	√	√	√
32-Hepatoprotective Effect of Camel Thorn Polyphenols in Concanavalin A-Induced Hepatitis in Mice	Chinese Journal of Integrative Medicine(2024),Volume 30, issue12 , pages 1090–1100	Q2	Nageh Ahmed El-Mahdy, Thanaa Ahmed El-Masry , Ahmed Mahmoud El-Tarahony, Fatemah A Alherz, Enass Youssef Osman	-	-	√
33-Antimicrobial Stewardship Intervention for the Family Caregiver Attending Primary Health Care Setting: A Quasi-Experimental Study	Antibiotics(2024),Volume 13,Issue12, pages 1145	Q3	Ammena Y Binsaleh, Mahmoud S Abdallah, Basma Mohamed Osman, Mostafa M Bahaa, Nawal Alsubaie, Thanaa A Elmasry , Mohamed Yasser, Mamdouh Eldesoqui, Abdel-Naser Abdel-Atty Gadallah, Manal A Hamouda,	-	√	√



			Nashwa Eltantawy, Fatma A Mokhtar, Ramy M El Sabaa			
34-Investigating the Antibacterial, Antioxidant, and Anti-Inflammatory Properties of a Lycopene Selenium Nano-Formulation: An In Vitro and In Vivo Study	Pharmaceuticals(2024),Volume 17 ,Issue12, Pages 1600	Q1	Reem Binsuwaidan, Thanaa A El-Masry , Maysa MF El-Nagar, Enas I El Zahaby, Mohamed MS Gaballa, Maisra M El-Bouseary	√	√	√
35-Therapeutic efficiency of Tamoxifen/Orlistat nanocrystals against solid ehrlich carcinoma via targeting TXNIP/HIF1- α /MMP-9/P27 and BAX/Bcl2/P53 signaling pathways	Biomedicine & Pharmacotherapy(2024),Volume 180,, 117429	Q1	Thanaa A El-Masry , Maysa MF El-Nagar, Ghaleb Ali Oriquat, Badriyah S Alotaibi, Hebatallah M Saad, Enas I El Zahaby, Hanaa A Ibrahim	-	√	√
36-Potential Protective Effect of Orlistat: A Formulation of Nanocrystals Targeting Inflammation, Oxidative Stress, and Apoptosis in an Experimental Model of Doxorubicin-Induced Cardiotoxicity	Pharmaceutics(2024),Volume1 6,Issue11,Pages1356	Q1	Maha Alsunbul, Thanaa A El-Masry , Enas I El Zahaby, Mohamed MS Gaballa, Maysa MF El-Nagar	-	√	√



37-Efficacy of the cardiac glycoside digoxin as an adjunct to csDMARDs in rheumatoid arthritis patients: a randomized, double-blind, placebo-controlled trial	Frontiers in Pharmacology(2024), Volume15 ,Pages 1445708	Q1	Nageh A El-Mahdy , Mariam G Tadros, Thanaa A El-Masry , Ammena Y Binsaleh, Nawal Alsubaie, Amani Alrossies, Medhat I Abd Elhamid, Enas Y Osman, Hadeel M Shalaby, Dalia S Saif	-	√	√
38- Chitosan/hesperidin nanoparticles formulation: a promising approach against ethanol-induced gastric ulcers via Sirt1/FOXO1/PGC-1 α /HO-1 pathway	Frontiers in Pharmacology(2024), Volume15,Pages1433793	Q1	Jawaher Abdullah Alamoudi, Thanaa A El-Masry , Maysa MF El-Nagar, Enas I El Zahaby, Kadreya E Elmorshedy, Mohamed MS Gaballa, Samar Zuhair Alshawwa, Maha Alsunbul, Sitah Alharthi, Hanaa A Ibrahim	-	√	√
39-Ameliorative Effect of Chitosan/Spirulina platensis Ethanolic Extract Nanoformulation against Cyclophosphamide-Induced Ovarian Toxicity: Role of PPAR- γ /Nrf-2/HO-1 and NF-kB/TNF- α Signaling Pathways	Marine Drugs(2024), Volume22,issue 9 , Pages395	Q1	May Almukainzi, Thanaa A El-Masry , Hanaa A Ibrahim, Hebatallah M Saad, Enas I El Zahaby, Asmaa Saleh, Maysa MF El-Nagar	-	√	√



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40-Hesperidin Nanoformulation: A Potential Strategy for Reducing Doxorubicin-Induced Renal Damage via the Sirt-1/HIF1- α /VEGF/NF- κ B Signaling Cascade	Pharmaceuticals(2024), Volume17, issue 9 , pages 1144	Q1	Fatemah A Alherz, Thanaa A El-Masry , Ghaleb A Oriquat, Engy Elekhrawy, Nora Hamad Al-Shaalan, Mohamed MS Gaballa, Enas I El Zahaby, Maysa MF El-Nagar	-	√	√
41- In Vivo and in Vitro Mitigation of Salmonella Typhimurium Isolates by Fortunella Japonica Fruit Extract	Current Microbiology(2024), Volume81, Issue8,Pages262	Q3	Badriyah Alotaibi, Thanaa A El-Masry , Walaa A Negm, Asmaa Saleh, Khalid Nijr Alotaibi, Manal E Alosaimi, Engy Elekhrawy	√	-	√
42-Gossypol enhances ponatinib's cytotoxicity against human hepatocellular carcinoma cells by involving cell cycle arrest, p-AKT/LC3II/p62, and Bcl2/caspase-3 pathways	Toxicology Reports(2024), Volume 14, 101856	Q3	Hadeel H Elkattan, Alaa E Elsis , Naglaa M El-Lakkany	-	√	-
43-Siah2 inhibitor and the metabolic antagonist Oxamate retard colon cancer progression and downregulate PD1 expression	Recent Patents on Anti-Cancer Drug Discovery(2024), Volume19,Issue1,Pages80-92	Q2	Sherin Zakaria, Samar Elsebaey, Shady Allam, Walied Abdo, Alaa El-Sisi	-	√	-



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44-Protective role of naftidrofuryl against methotrexate-induced testicular damage via the amelioration of the p53/miRNA-29a/CDC42 apoptotic pathway, inflammation, and oxidative stress	Environmental Toxicology and Pharmacology(2024), Volume 98, 104067	Q1	Ola Mahmoud Waly, Nageh Ahmed El-Mahdy, Nagla Abd El-Aziz El-Shitany ,Zuhair M Mohammed saleh, Aya Hassan El-Kadem	-	-	√
45-Protective effect of Dulaglutide, a GLP1 agonist, on acetic acid-induced ulcerative colitis in rats: involvement of GLP-1, TFF-3, and TGF-β/PI3K/NF-κB signaling pathway	Naunyn-Schmiedeberg's Archives of Pharmacology(2024), Pages 1-18	Q2	Raghda N El Mahdy, Manar A Nader, Manar G Helal, Sally E Abu-Risha , Marwa E Abdelmageed	-	√	-
46-Dysglycemia and liver lipid content determine the relationship of insulin resistance with hepatic OXPHOS capacity in obesity	Journal of Hepatology(2024)	Q1	Sabine Kahl, Klaus Straßburger, Giovanni Pacini, Nina Trinks, Kalliopi Pafili, Lucia Mastrototaro, Bedair Dewidar , Theresia Sarabhai, Sandra Trenkamp, Irene Esposito, Matthias Schlensak, Frank A Granderath, Michael Roden	-	-	√
47-EP. 12A. 46 Age, Health Utility Scores (HUS), and Survival Outcomes in EGFR-Mutated Lung Cancer Patients Receiving 1L TKI Treatment	Journal of Thoracic Oncology(2024), Volume19, Issue10, Pages S639-S640	Q1	E Faour, L Everest, L van Esveld, L Zhan, MC Brown, K Balaratnam, K Khan, A Ashkary, J Reibel, E Tsang, S Barghout , F Al-Agha, R Raptis, K Kuang, L Eng, A Sacher, P Bradbury, NB Leighl, M Tsao, FA Shepherd, W Xu, SM Alibhai, G Liu	-	-	√

48-EP. 12A. 09 Oligoprogression and Osimertinib Continuation Post-progression in Patients with EGFR-Mutations	Journal of Thoracic Oncology(2024),Volume 19,Issue 10,Pages S622	Q1	V Mai, J Lee, L Zhan, MC Brown, K Balaratnam, K Khan, S Cheng, S Barghout , F Al-Agha, R Raptis, K Kuang, L Eng, AG Sacher, PA Bradbury, NB Leighl, M Cabanero, R Hsu, P Pal, MS Tsao, FA Shepherd, W Xu, G Liu	-	-	√
49-A poor prognostic ALK phenotype: A review of molecular markers of poor prognosis in ALK re-arranged non-small cell lung cancer	Clinical Lung Cancer(2024)	Q2	Sze Wah Samuel Chan, Joy Zeng, Jack Young, Samir H Barghout , Faisal Al-Agha, Stavroula Raptis, M Catherine Brown, Geoffrey Liu, Rosalyn Juergens, Kevin Jao	-	-	√
50-Anticancer Effect of Cycas media: Molecular Basis Through Modulation of PI3K/AKT/mTOR Signaling Pathway	Molecules(2024),Volume 29 , Issue 21	Q2	Jawaher Alqahtani Esraa Mosalam Hend Abo Mansour Aya Ibrahim Elberri Hanaa Adel Sebaey Mahgoub Ph.D Ismail A. Hussein Mohammed F. Alhawwal Maryam Al Hmoudi Ehssan Moglad Rehab Ahmed Fatma Alzahraa Mokhtar Walaa A Negm Engy El-Ekhnawy	√	√	√



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51-Dioon rzedowskii: An antioxidant, antibacterial and anticancer plant extract with multifaceted effects on cell growth and molecular signaling	International Immunopharmacology(2024), Volume 132,111957	Q1	Walaa A Negm Engy El-Ekhnawy Sebaey Mahgoub Ph.D Hanaa Adel Aya Ibrahim Elberri Hend Abo Mansour Esraa Mosalam Ehssan Moglad Fatma Alzahraa Mokhtar	√	√	√
52-Rosuvastatin and diosmetin inhibited the HSP70/TLR4 /NF-κB p65/NLRP3 signaling pathways and switched macrophage to M2 phenotype in a rat model of acute kidney injury induced by cisplatin	Biomedicine & Pharmacotherapy(2024), Volume 171,, 116151	Q1	Hebatallah M. Saad , Engy Elekhrawy , Moataz A. Shaldam , Moneerah J. Alqahtani , Najla Altwaijry , Nashwah G.M. Attallah , Ismail A. Hussein , Hanaa A. Ibrahim , Walaa A. Negm , Esraa A. Salem	√	√	√
53-The concealed side of caspases: beyond a killer of cells	Cellular and Molecular Life Sciences(2024), Volume 81, article number 474	Q1	Lina Abdelghany , Chanin Sillapachaiyaporn, Boris Zhivotovsky	-	-	√



PhD thesis 2024

Name of candidate	Title of thesis	Date of award
Heba Mohammed Hasham Ali.	Evaluation of the effect of direct-acting antiviral agents on melatonin level in chronic hepatitis C patients in Egypt.	2024

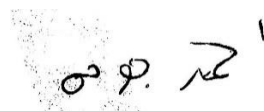
Master thesis 2024

Name of candidate	Title of thesis	Date of award
Heba Ramzy Mohammed Al-Bahuti	Potential protective effect of Carvacrol; Cilostazol alone and in Combination against ethanol-induced liver fibrosis in rats.	2024
Esraa Hamad Mostafa EL- Marhomy.	"Do calcium channel blockers potentiate the hepatoprotective effect of phosphodiesterase-3 inhibitors-against experimentally induced hepatotoxicity?"	2024
Ahmed Khaled Saleh	Investigation of the potential beneficial effect of trifluoperazine on an experimental model of cyclophosphamide-induced liver toxicity in mice.	2024

Nourhan Ahmed Khattab	Investigation of the potential therapeutic effect of citicoline in improving thimerosal-induced autism	2024
Kawthar Emad Elzorkany	Potential protective effects of donepezil and quercetin on experimentally induced testicular damage	2024
Eman Abdul sattar EL-saidy	The potential role of peroxisome proliferator-activated receptor gamma in Cilostazol and omeprazole protective effect against experimentally induced gastric ulcer in rats	2024
Amgad Alaa El-sisi	Potential protective effective of chrysin and rosuvastatin alone and in combination against ethanol induced liver fibrosis	2024

رئيس القسم

إ.د/أحمد السيد عبدالحميد جودة





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متابعة الخطة البحثية للكلية لعام ٢٠٢٤

متابعة تنفيذ الخطة البحثية لقسم الميكروبيولوجيا والمناعة

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	1 PhD	من يناير إلى ديسمبر ٢٠٢٤
			√				6 Master	6 Master	
			√				36 Articles	١٩ Articles	

List of publications

Authors list	Article title	Article publication	Journal quartile	الابحاث المشتركة		
				مشارك بين الاقسام العلمية بالكلية	مشارك بين الكلية ومؤسسات محلية	مشارك بين الكلية ومؤسسات دولية
1- Sara A Alshaikh, Tarek El-Banna, Fatma Sonbol, Mahmoud H Farghali	Correlation between antimicrobial resistance, biofilm formation, and virulence determinants in uropathogenic <i>Escherichia coli</i> from Egyptian hospital	Annals of Clinical Microbiology and Antimicrobials (2024) vol. 23, issue 1, pp. 20	Q1			
2-Sara A Alshaikh, Tarek El-Banna, Fatma Sonbol, Mahmoud H Farghali	In-vitro investigation of biofilm-specific resistance and virulence of biofilm-forming uropathogenic <i>Escherichia coli</i>	Novel Research in Microbiology Journal (2024) vol. 8, issue 1, pp. 2285-2302	Q4			
3-Alotaibi B, A. El-Masry T, <u>Elekhrawy E</u> , Mokhtar FA, El-Seadawy HM, A. Negm W.	Studying the effects of secondary metabolites isolated from <i>Cycas thouarsii</i> R. Br. leaves on MDA-MB-231 breast cancer cells.	Artificial Cells, Nanomedicine, and Biotechnology. (2024) vol. 52, issue (1), pp.103-13.	Q2	√	√	√
4-Saad HM, <u>Elekhrawy E</u> , Shaldam MA, Alqahtani MJ, Altwaijry N, Attallah	Rosuvastatin and diosmetin inhibited the HSP70/TLR4/NF-κB p65/NLRP3 signaling pathways	Biomedicine & Pharmacotherapy. (2024) 171:116151.	Q1	√	√	√

NG, Hussein IA, Ibrahim HA, Negm WA, Salem EA.	and switched macrophage to M2 phenotype in a rat model of acute kidney injury induced by cisplatin.					
5-Alossaimi MA, Riadi Y, Alnuwaybit GN, Md S, Alkreathy HM, <u>Elekhrawy E</u> , Geesi MH, Alqahtani SM, Afzal O.	Design, synthesis, molecular docking, and in vitro studies of 2-mercaptoquinazolin-4 (3H)-ones as potential anti-breast cancer agents.	Saudi Pharmaceutical Journal. 3:101971.	Q2			✓
6-Alqahtani J, Negm WA, <u>Elekhrawy E</u> , Alqahtani MJ, Moglad E, Ibrahim S, El-Sherbeni SA.	Outlining the phytoconstituents of Greek clover herb extract and assessment of its effect against foodborne infections caused by <i>Salmonella typhimurium</i> .	Pharmaceuticals. (2024) vol. 18;17, issue (2), pp. 259.	Q1	✓		✓
7-Negm WA, <u>Elekhrawy E</u> , Mahgoub S, Ibrahim HA, Elberri AI, Mansour HE, Mosalam EM, Moglad E, Mokhtar FA.	<i>Dioon rzedowskii</i> : An antioxidant, antibacterial and anticancer plant extract with multi-faceted effects on cell growth and molecular signaling.	International Immunopharmacology. (2024) 132:111957.	Q2	✓	✓	✓
8-ElNaggar MH, Abdelmohsen UR, Bar FM, Kamer AA, Bringmann G, <u>Elekhrawy E</u> .	Investigation of bioactive components responsible for the antibacterial and anti-biofilm activities of <i>Caroxylon volkensis</i> by LC-QTOF-MS/MS analysis and molecular docking.	RSC advances. (2024) vol. 14, issue, (16), pp. 11388-99.	Q2		✓	✓

9-Elsbaey M, Samaru Y, <u>Elekhrawy E</u> , Oku N, Igarashi Y.	A new polycyclic tetramate macrolactam from <i>Allostreptomyces</i> RD068384: stereochemistry and antifungal potential.	The Journal of Antibiotics. (2024) vol. 9, pp.1-4.	Q3		✓	✓
10-Al-Fakhrany OM, Elekhrawy E.	Next-generation probiotics: the upcoming biotherapeutics.	Molecular Biology Reports. (2024). Vol. 51, issue (1), pp.505.	Q2			
11-Alotaibi B, <u>Elekhrawy E</u> , El-Masry TA, Saleh A, Alosaimi ME, Alotaibi KN, Negm WA.	Antibacterial potential of <i>Euphorbia canariensis</i> against <i>Pseudomonas aeruginosa</i> bacteria causing respiratory tract infections.	Artificial Cells, Nanomedicine, and Biotechnology. (2024). Vol.52, issue (1), pp.261-9.	Q2	✓	✓	✓
12-Alqahtani J, Negm WA, <u>Elekhrawy E</u> , Hussein IA, Hassan HS, Alanzi AR, Moglad E, Ahmed R, Ibrahim S, El-Sherbeni SA.	Potential surviving effect of <i>Cleome droserifolia</i> extract against systemic <i>Staphylococcus aureus</i> infection: investigation of the chemical content of the plant.	Antibiotics. (2024) vol. 13, issue (5), pp.450	Q1	✓	✓	✓
13-El-Kadem AH, Negm WA, <u>Elekhrawy E</u> , Binsuwaidan R, Attallah NG, Moglad E, Sultan AA.	Neohesperidin-loaded microemulsion for improved healing of <i>Acinetobacter baumannii</i> -infected wound.	Journal of Drug Delivery Science and Technology. (2024) 24:105905.	Q1	✓	✓	✓

14-Alotaibi B, El-Masry TA, Negm WA, Saleh A, Alotaibi KN, Alosaimi ME, <u>Elekhrawy E.</u>	<i>In vivo</i> and <i>in vitro</i> mitigation of <i>Salmonella typhimurium</i> isolates by <i>Fortunella japonica</i> fruit extract.	Current Microbiology. (2024). Vol.81, issue (8), pp.262.	Q2	√		√
15-Alhamdi HW, Anazi HK, Mokhtar FA, Elhawary SS, Elbehairi SE, Alfaifi MY, Shati AA, Fahmy LI, <u>Elekhrawy E.</u> Hassan A, Negm WA, Fahmy SA, Selim N.	<i>Panicum maximum</i> Jacq. mediated green synthesis of silver nanoparticles: synthesis, characterization, and biological activities supported by molecular docking.	Artificial Cells, Nanomedicine, and Biotechnology. (2024). 52(1):411-425.	Q2	√	√	√
16-Bar FM, <u>Elekhrawy E.</u> Salkini AA, Soliman AF.	Enhancement of antibacterial and antibiofilm properties of proximadiol through microbial transformation by <i>Rhizopus oryzae</i> .	South African Journal of Botany. (2024) 172:236-241.	Q2		√	√
17-Bar FM, <u>Elekhrawy E.</u> Aldawsari TH, Alkanhal SF, Alanazi RM, Al-Akeel GA, ElNaggar MH.	Unveiling the role of macranthoin G in the traditional anti-infective properties of <i>Launaea nudicaulis</i> .	South African Journal of Botany. (2024). 172:302-311	Q2		√	√
18-Aljarba TM, Abdel Bar FM, Sherif AE, <u>Elekhrawy E.</u> Magdy G, Samra RM.	HPLC-PDA analysis of polyacetylene glucosides from <i>Launaea capitata</i> and their antibacterial and antibiofilm properties against <i>Klebsiella pneumoniae</i> .	Pharmaceuticals (2024). 17(9):1214.	Q1		√	√

19-Ali LS, Attia YA, Mourad S, Halawa EM, AbdElghaffar NH, Shokry S, Attia OM, Makram M, Wadan AH, Negm WA, <u>Elekhrawy E</u> .	The missing link between cancer stem cells and immunotherapy.	Current Medical Research and Opinion. (2024). 1-35	Q2	✓	✓	✓
20-Moglad E, <u>Elekhrawy E</u> , Alanazi N, Al-Fakhrany OM.	Repurposing simvastatin for treatment of <i>Klebsiella pneumoniae</i> infections: <i>in vitro</i> and <i>in vivo</i> study.	Biofouling. (2024). 1-5.	Q2			✓
21-Selim MI, Sonbol FI, El-Banna TE, Negm WA, <u>Elekhrawy E</u>	Antibacterial and wound healing potential of biosynthesized zinc oxide nanoparticles against carbapenem-resistant <i>Acinetobacter baumannii</i> : an <i>in vitro</i> and <i>in vivo</i> study.	Microbial Cell Factories. (2024). 23: 281.	Q1	✓		
22-Alqahtani J, Mosalam EM, Abo Mansour HE, Elberri AI, Ibrahim HA, Mahgoub S, Hussein IA, Hawwal MF, Al Hmoudi M, Moglad E, Ahmed R, Mokhtar FA, <u>Elekhrawy E</u> , Negm WA.	Anticancer effect of <i>Cycas media</i> : Molecular basis through modulation of PI3K/AKT/mTOR signaling pathway.	Molecules. (2024). 29(21): 5013.	Q1	✓	✓	✓

23-Selim, MI, El-banna T, Sonbol F, <u>Elekhawy E</u>	<i>Arthrospira maxima</i> and biosynthesized zinc oxide nanoparticles as antibacterials against carbapenem-resistant <i>Klebsiella pneumoniae</i> and <i>Acinetobacter baumannii</i> : a review article.	Microbial Cell Factories (2024). 23: 311.	Q1			
24-Abdelaziz AA, Abo-Kamar AM, Ashour AE, Shaldam MA, <u>Elekhawy E</u>	Unveiling the antibacterial action of ambroxol against <i>Staphylococcus aureus</i> bacteria: <i>in vitro</i> , <i>in vivo</i> , and <i>in silico</i> investigation.	BMC Microbiobiology (2024). 24: 507.	Q2		√	
25-A Omar, TE El-Banna, FI Sonbol, MM El-Bouseary	Potential antivirulence and antibiofilm activities of sub-MIC of oxacillin against MDR <i>S. aureus</i> isolates: an in-vitro and in-vivo study	BMC microbiology (2024).24 (1), 295	Q2			
26-MA Elhosseini, TE El-Banna, FI Sonbol, MM El-Bouseary	Potential antivirulence activity of sub-inhibitory concentrations of ciprofloxacin against <i>Proteus mirabilis</i> isolates: an in-vitro and in-vivo study	Annals of Clinical Microbiology and Antimicrobials (2024). 23 (1), 48	Q1			
27-Tarek El-Said El-Banna, Fatma Ibrahim Sonbol, Amal M Abo Kamer, Sara Ahmed Mohammed Mahmoud Badr	Genetic diversity of macrolides resistant <i>Staphylococcus aureus</i> clinical isolates and the potential synergistic effect of vitamins, C and K3	BMC microbiology (2024). 24 (1), 30	Q2			

28-Amal moustafa Abo Kamar, Gamal M. El Maghraby, Maha Mohamed Shafik, Lamiaa Al-Madboly	Silver nanoparticle with potential antimicrobial and antibiofilm efficiency against multiple drug resistant, extensive drug resistant Pseudomonas aeruginosa clinical isolates	BMC Microbiology (2024). 24(1)	Q2	✓		
29-Lamiaa A Al-Madboly, Asmaa Aboulmagd, Mohamed Abd El-Salam, Ivan Kushkevych, Rasha M El-Morsi	Microbial enzymes as powerful natural anti-biofilm candidates	Microbial Cell Factories (2024). 23 (1), 343	Q1		✓	✓
30-Mariam A Abo-Saif, Ghada M Al-Ashmawy, Amany E Ragab, Lamiaa A Al-Madboly, Ahmed BM Mehany, Sherin R El-Afify	Effects of pomegranate exocarp extract on H. pylori-induced pancreatic EMT: Molecular mechanisms and therapeutic potential	Cellular Signalling (2024).124, 111465	Q2	✓	✓	
31-Amal M Abo-Kamar, Abd-El-Rahman A Mustafa, Lamiaa A Al-Madboly	Purified α -Amylase from Bacillus cereus exhibits antibiofilm and antiquorum sensing activities against uropathogenic Escherichia coli, Downregulating fimH, and papC virulence genes: implications for urinary tract infections	BMC microbiology (2024).24 (1), 502	Q2			
32-LA Al-Madboly, MAA El-Salam, JK Bastos, S Aboukhatwa, RM El-Morsi	Characterization of GQA as a novel β -lactamase inhibitor of CTX-M-15 and KPC-2 enzymes	Microbial Cell Factories (2024). 23 (1), 221	Q1	✓	✓	✓

33-Mohamed Abdel-Salam Elgohary, Asmaa Ali, Sumaiah J Alarfaj, Hesham Shahin, Ashraf Ibrahim Zaki, Eman Medhat Hasan, Mohamed Emam Mohamed, Ahmad Mahmoud Elkholy, Thanaa A El-Masry, Mohammed Ali AbdelRahim, Ashgan Wageh Saber, Mohamed G Seadawy, Mohamed HM Elshishtawy, Maisra M El-Bouseary	Even one dose of tocilizumab could hinder bad prognosis of cytokines storm in COVID-19 patients	Cytokine (2024). 173, 156433	Q2	✓	✓	✓
34-Reem Binsuwaidan, Thanaa A El-Masry, Mostafa El-Sheekh, Mohamed G Seadawy, Mofida EM Makhlof, Shaimaa M Aboukhatwa, Nagla A El-Shitany, Kadreya E Elmorshedy, Maysa MF El-Nagar, Maisra M El-Bouseary	Prospective Antiviral Effect of Ulva lactuca Aqueous Extract against COVID-19 Infection	Marine Drugs (2024). 22 (1), 30	Q1	✓	✓	✓
35-Badriyah S Alotaibi, Thanaa A El-Masry, Hend Selim, Maisra M El-Bouseary, Mostafa M El-Sheekh, Mofida EM Makhlof, Maysa MF El-Naga	New insights into the anticancer effects of Polycladia crinita aqueous extract and its selenium nanoformulation against the solid Ehrlich carcinoma model in mice via VEGF, notch 1, NF-κB, cyclin D1, and caspase 3 signaling pathway	Frontiers in Pharmacology (2024). 15, 1345516	Q1	✓	✓	✓



جامعة طنطا
كلية الصيدلة

36-Reem Binsuwaidan, Thanaa A El-Masry, Maysa MF El-Nagar, Enas I El Zahaby, Mohamed MS Gaballa, Maisra M El-Bouseary	Investigating the Antibacterial, Antioxidant, and Anti-Inflammatory Properties of a Lycopene Selenium Nano-Formulation: An In Vitro and In Vivo Study	Pharmaceuticals 17 (2024). (12), 1600	Q1	✓	✓	✓
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متابعة الخطة البحثية للكلية لعام ٢٠٢٤

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			
			√				5 PhD	1 PhD	من يناير إلى إبريل ٢٠٢٣
				√			4 Master	7 Master	
			√				36 Articles	12 Articles	

الأبحاث المنشورة الخاصة بقسم التكنولوجيا الصيدلانية من يناير ٢٠٢٤ وحتى ديسمبر ٢٠٢٤

Serial No.	Authors list	Article title	Article publication (Journal, volume and pages numbers)	Journal Quartile	الأبحاث المشتركة		
					مشارك بين الأقسام العلمية بالكلية	مشارك بين الكلية ومؤسسات محلية	مشارك بين الكلية ومؤسسات دولية
1	Nancy E Elkholy, Amal A Sultan, Sally E Abu-Risha, Gamal M El Maghraby	Chitosan coated lipid carriers as nanopatform for repurposed anti-breast cancer activity of niclosamide.	Journal of Drug Delivery Science and Technology, 2024, 93, 105414	Q1		√	
2	Hend A Awad, Mohamed I Fetouh, Amal A Sultan, Gamal M El Maghraby	Combined eutexia and amorphization for simultaneous enhancement of dissolution rate of triamterene and hydrochlorothiazide: preparation of orodispersible tablets.	Drug Development and Industrial Pharmacy, 2024, 50(4), 306-319	Q3		√	
3	Hend Awad Awad, Amal Ahmed Sultan, Gamal Mohamed El Maghraby, Mohamed Ihab Fetouh	Fast-disintegrating tablets: a novel approach in pharmaceutical preparation	ERU Research Journal, 2024, 3(2), 1151-1172	NA		√	
4	Toka Tarek Elebyary, Amal Sultan, Sally Abu-Risha, Gamal El Maghraby	Bilosomes As Oral Drug Delivery Carrier	Journal of Advanced Medical and Pharmaceutical	NA	√		

			Research, 2024, 5(2), 49-55				
5	Rania Mohamed Sakr, Abdelaziz El Sayed Abdelaziz, Eman Ahmed Mazyed, Gamal Mohamed El Maghraby	Preparation of orodispersible tablets of bosentan using xylitol and menthol as dissolution enhancers	Scientific Reports, 2024, 14, 10680	Q2		√	
6	Toka Tarek Elebyary, Amal Sultan, Sally Abu-Risha, Gamal El Maghraby	Effect of formulation variables on drug release from bilosomes; effect of cholesterol concentration	Journal of Advanced Medical and Pharmaceutical Research, 2024, 5(2), 56-59	NA	√		
7	Mohamed El-Araby, Sanaa A El-Gizawy, Shimaa M Ashmawy, Gamal M El Maghraby	Cinnamon oil-based self-emulsifying system for augmented dissolution and hypoglycemic efficacy of gliquidone	Journal of Drug Delivery Science and Technology, 2024, 97, 105821	Q1			
8	Mohammed I Ghanem, Shimaa M Ashmawy, Gamal M El Maghraby	Intestinal Absorption Site-Guided Development and Evaluation of Oral Disintegrating Controlled Release Tablets of Mirabegron	AAPS PharmSciTech, 2024, 25(6), 167	Q2			

9	Amal M Abo Kamer, Gamal M El Maghraby, Maha Mohamed Shafik, Lamiaa A Al-Madboly	Silver nanoparticle with potential antimicrobial and antibiofilm efficiency against multiple drug resistant, extensive drug resistant Pseudomonas aeruginosa clinical isolates	BMC Microbiology, 2024, 24, 277	Q2	✓		
10	Ghada Saad, Gamal M El Maghraby, Amal A Sultan	Olive oil and flaxseed oil incorporating niosomes for enhanced in vivo anti- diabetic efficacy of canagliflozin	Drug Development and Industrial Pharmacy, 2024, 50(9), 801-809	Q3		✓	
11	Aya R Elbasuony, Abdelaziz E Abdelaziz, Eman A Mazyed, Gamal M El Maghraby	Glyceroniosomes for enhanced intestinal absorption of hydrochlorothiazide and lisinopril in their fixed dose combination	Scientific Reports, 2024, 24, 24499	Q2		✓	
12	Hadir F Marei, Mona F Arafa, Gamal M El Maghraby	Eudragit S100 coated surfactant vesicles for boosted oral bioavailability of ticagrelor	Journal of Drug Delivery Science and Technology, 2024, 101, 106234	Q1			
13	Samar H Faheim, Gamal M El	Vesicular Carriers for Improved Oral	AAPS PharmSciTech, 2024, 25, 264			✓	

	Maghraby, Amal A Sultan	Anticoagulation Competence of Rivaroxaban: In Vitro and In Vivo Investigation					
14	Abdelrahman R Said, Mona F Arafa, Walaa A El-Dakroury, Sultan Alshehri, Gamal M El Maghraby	Bilosomes and Niosomes for Enhanced Intestinal Absorption and In Vivo Efficacy of Cytarabine in Treatment of Acute Myeloid Leukemia	Pharmaceuticals, 2024, 17, 1572	Q1		√	
15	Dalia H Abdelkader, Abeer M Belal, Eman A Elkordy, Naglaa I Sarhan, Ebtessam A Essa	Fabrication and In-Vivo Evaluation of Polyvinyl pyrrolidone/Poloxamer 188 Hybrid Nanofibers of Deflazacort	International Journal of Pharmaceutics, 2024, 655, 123997	Q1		√	√
16	Azhidhack Hadjipour, Ebtessam Ahmed Essa, Amal Ali Elkordy	A glance into factors affecting the possible combined entrapment of curcumin and methylene blue into niosomal formulations as a potential anticancer therapy	Journal of drug delivery science and technology, 2024, 100, 106120	Q1			√

17	Moataz B Zewail, Sanaa A El-Gizawy, Gihan F Asaad, Walaa A El-Dakroury	Development of famotidine-loaded lecithin-chitosan nanoparticles for prolonged and efficient anti-gastric ulcer activity	Journal of Drug Delivery Science and Technology, 2024, 91, 105196	Q1		√	
18	Gaidaa M Dogheim, E Nourhan, Esraa A Abd El-Maksod, Sandra Sh Amer, Sanaa A El-Gizawy, Ahmed S Abd Elhamid, Ahmed O Elzoghby	Nanomedicines as enhancers of tumor immunogenicity to augment cancer immunotherapy	Drug Discovery Today, 2024, 29(3), 103905	Q1		√	√
19	Ahmed M Elmeniar, Mohamed A Osman, Sanaa A El-Gizawy, Dimple Modi, Nitin B Charbe, Ayman F El-Kattan, Mohamed El-Tanani, Yusuf A Haggag, Murtaza M Tambuwala	In situ evaluation of the impact of metformin or verapamil coadministration with vildagliptin on its regional absorption from the rabbit's intestine	Biopharmaceutics & Drug Disposition, 2024, 45(2), 71-82	Q4		√	√
20	Ahmed S Abd Elhamid, Lamia Heikal, Doaa A Ghareeb, Shaymaa A	Engineering Thermo/pH-Responsive Lactoferrin Nanostructured Microbeads for Oral Targeting of	ACS Biomaterials Science & Engineering, 10(8), 4985-5000	Q2		√	

	Abdulmalek, Omar Mady, Mohamed Teleb, Sherine N Khattab, Sanaa A El- Gizawy	Colorectal Cancer					
21	Malak YM Shoukheba, Amany E Eagab, Nagwa A Shoeib, Dalia H Abdelkader, Mona MW Mahmoud, Reda S Sabra, Doaa A Yousef	Muco-bioadhesive gel containing basil extract (Ocimum basilicum) in the management of recurrent aphthous stomatitis: a randomized clinical and immunological study	Tanta Dental Journal, 2024, 21(1), 74-81	NA	✓	✓	
22	Aya H El-Kadem, Walaa A Negm, Engy Elekhawy, Reem Binsuwaidan, Nashwah GM Attallah, Ehssan Moglad, Amal A Sultan	Neohesperidin-loaded microemulsion for improved healing of Acinetobacter baumannii- infected wound	Journal of Drug Delivery Science and Technology, 2024, 98, 105905	Q1	✓		✓
23	Omar Y Mady, Omar Dewedar, Noorelhoda Abdine, Hossam Zaytoon, Yusuf Haggag	Bioadhesive behaviors of HPMC E5: comparative analysis of various techniques, histological and human radiological	Scientific Reports, 2024, 14, 1840	Q2		✓	

		evidence					
24	Dina G Zayed, Sherine N Khattab, Lamia Heikal, Mohamed Teleb, Doaa A Ghareeb, Shaymaa A Abdulmalek, Omar Y Mady, Nahed MH Salem, Sanaa A Elgizawy	Tailored design of pH-responsive microbeads for oral delivery of lactoferrin nanotherapeutics of colon cancer	Journal of Drug Delivery Science and Technology, 2024, 97, 105791	Q1		√	
25	Doaa A Yousef, Engy Eleknawy, Mona F Arafa, Walaa A Negm	The adjunctive effect of frankincense extract gel to nonsurgical treatment of chronic periodontitis: a randomized clinical study	Tanta Dental Journal, 2024, 21(3), 312-318	NA	√	√	
26	Mohamed Elshikh, Yusuf Ahmed Haggag, Aayah McMullen, Kayode William Olaifa	Can the Adoption of Salvadora Persica among School-aged Learners Lead to Improved Oral Hygiene Practices?	International Journal of School Health, 2024; 11(3), 216-219	Q2			√
27	Yusuf A Haggag, Mohamed Abdel-Wahab, Suleiman S Eltokhy, Sally Elnawasany, Mokhtar	Co-delivery of novel valsartan and hydrochlorothiazide pH-responsive electrospun polymeric nanofibers for	Journal of Drug Delivery Science and Technology, 2024, 101, 106241	Q1	√	√	

	M Mabrouk, El-Refaie Kenawy	improved oral delivery					
28	Rasha A Alshaikh, Krishnakumar Chullipalliyalil, Christian Waeber, Katie B Ryan	Extended siponimod release via low-porosity PLGA fibres: a comprehensive three-month in vitro evaluation for neovascular ocular diseases	Biomaterials Science, 2024, 12(18), 4823-4844	Q1			√
29	Rasha A Alshaikh, Rania A Salah El Din, Rania Gamal Eldin Zaki, Christian Waeber, Katie B Ryan	In Vivo Ocular Pharmacokinetics and Toxicity of Siponimod in Albino Rabbits	Molecular Pharmaceutics, 2024, 21, 3310–3320	Q1		√	√
30	Shu Li, Magdy M Abdelquader, Gavin P Andrews, David S Jones	Towards a greater understanding of the deep eutectic phenomenon through examination of the lidocaine-NSAID therapeutic deep eutectic systems	European Journal of Pharmaceutics and Biopharmaceutics, 2024, 200, 114329	Q1			√
31	JL Boyajian, A Abosalha, P Islam, A Kassab, M Santos, C Shum-Tim, E Renesteen, S	Select Probiotics Exhibit Antioxidative and Anti-Inflammatory Properties for Gut Modulation: In Vitro Analysis	The EuroBiotech Journal, 2024, 8(4), 149-157	Q4			√

	Makhlouf, J Chen, S Prakash						
32	Paromita Islam, Sabrina Schaly, Ahmed Kh Abosalha, Jacqueline Boyajian, Rahul Thareja, Waqar Ahmad, Dominique Shum-Tim, Satya Prakash	Nanotechnology in development of next generation of stent and related medical devices: Current and future aspects	Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 16(2), e1941	Q1			✓
33	Ahmed Kh Abosalha, Stephanie Makhlouf, Paromita Islam, Shyam Mohapatra, Satya Prakash	Mastering RNA Interference (RNAi) Delivery–Strategies for Effective Targeting and Gene Silencing	Perspective Chapter: IntechOpen, 2024.	Q4			✓
34	Ahmed Kh Abosalha, Paromita Islam, Jacqueline L Boyajian, Rahul Thareja, Sabrina Schaly, Amal Kassab, Stephanie Makhlouf, Sarah Alali, Satya Prakash	Colon-Targeted Sustained- Release Combinatorial 5- Fluorouracil and Quercetin poly(lactic-co-glycolic) Acid (PLGA) Nanoparticles Show Enhanced Apoptosis and Minimal Tumor Drug Resistance for Their Potential Use in Colon Cancer	ACS Pharmacology & Translational Science, 2024, 7(9), 2612-2620	N/A			✓

35	Ahmed Kh Abosalha, Paromita Islam, Jacqueline L Boyajian, Amal Kassab, Stephanie Makhlouf, Madison Santos, Satya Prakash	Recent Advancements in Cancer RNA-interference Therapy with Nanotechnology Strategies	Journal of Cancer Biomoleculars and Therapeutics, 1(2), 29-37	Q3			✓
36	Paromita Islam, Ahmed Abosalha, Sabrina Schaly, Jacqueline L Boyajian, Madison Santos, Stephanie Makhlouf, Editha Renesteen, Amal Kassab, Cedrique Shum-Tim, Dominique Shum-Tim, Satya Prakash	Baculovirus Expressing Tumor Growth Factor- β 1 (TGF β 1) Nanoshuttle Augments Therapeutic Effects for Vascular Wound Healing: Design and In Vitro Analysis	ACS Pharmacology & Translational Science, 7(11), 3419-3428	N/A			✓

متابعة الخطة البحثية للكلية لعام ٢٠٢٤

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			
	توجد رسائل ماجستير قيد المناقشة		✓				0 PhD	0 PhD	من يناير إلى ديسمبر ٢٠٢٤
						✓	0 Master	1 Master	
			✓				19 Articles	6 Articles	



List of publications

Authors list	Article title	Article publication	Journal quartile	الابحاث المشتركة		
				مشارك بين الاقسام العلمية بالكلية	مشارك بين الكلية ومؤسسات محلية	مشارك بين الكلية ومؤسسات دولية
Nahla E. El-Ashmawy, Eman G. Khedr, Renad T. Darwish, Amera O. Ibrahim	Competing endogenous RNAs network and therapeutic implications: New horizons in disease research	Biochimica et Biophysica Acta (BBA) - Gene Regulatory Mechanisms, 2024 Dec 2;1868(1):195073	Q3 (Biochemistry & Molecular Biology) Q3 (Biophysics)			
Nahla E. El-Ashmawy, Ghada M. Al-Ashmawy, Omnia B. Hamada, Naglaa F. Khedr	The role of ABCG2 in health and disease: Linking cancer therapy resistance and other disorders	Life Sciences, 1:360:123245. doi: 10.1016/j.lfs.2024.123245, Epub 2024 Nov 17	Q1 (Medicine, Research & Experimental) Q1 (Pharmacology & Pharmacy)			
Ibrahim M. Elazab, Ola A. El-Feky, Eman G. Khedr, Nahla E. El- Ashmawy	Prostate cancer and the cell cycle: Focusing on the role of microRNAs	Gene, Volume 928, 30 November 2024, 148785	Q2 (Genetics & Heredity)			
Mohamed Hemdan, Mohamed A. Ali, Ahmed S. Doghish, Sherif S. Abdel Mageed,	Innovations in Biosensor Technologies for Healthcare Diagnostics and Therapeutic Drug	Sensors 2024, 24(16), 5143; https://doi.org/10.3390/s24165143	Q2 (Chemistry, Analytical) Q2 (Engineering, Electrical &		✓	✓



Ibrahim M. Elazab, Magdy M. Khalil, Mostafa Mabrouk, Diganta B. Das, Alaa S. Amin	Monitoring: Applications, Recent Progress, and Future Research Challenges		Electronic) Q2 (Instruments & Instrumentation)			
Nahla E. El-Ashmawy, Eman G. Khedr, Ghada M. Al-Ashmawy, Asmaa A. Kamel	Emerging role of natural lipophagy modulators in metabolic dysfunction– associated steatotic liver disease	Nutrition, Volume 126, October 2024, 112517	Q2 (Nutrition & Dietetics)		✓	
Nahla E. El-Ashmawy, Eman G. Khedr, Enas A. El-Zamarany, Sarah M. Ahmed	Suppression of inflammation in ulcerative colitis rats by avocado and pomegranate	Clinical nutrition ESPEN, Volume 61, p253-265, June 2024	Q3 (Nutrition & Dietetics)		✓	
Naglaa F. Khedr, Enas S. Zahran, Abla M. Ebeid, Samuel T. Melek, Rehab H. Werida	Effect of green coffee on miR-133a, miR-155 and inflammatory biomarkers in obese individuals	Diabetology & Metabolic Syndrome, 2024 Oct 28;16:256. doi: 10.1186/s13098-024-01478-7	Q2 (Endocrinology & Metabolism)		✓	
Mariam A. Abo-Saif, Ghada M. Al-Ashmawy, Amany E. Ragab, Lamiaa A. Al-Madboly, Ahmed B. M. Mehany, Sherin R. El-Afify	Effects of pomegranate exocarp extract on H. pylori-induced pancreatic EMT: Molecular mechanisms and therapeutic potential	Cellular signalling, 2024 Dec, 124:111465. doi: 10.1016/j.cellsig.2024.111465.	Q2 (Cell Biology)	✓	✓	
Reda G. Yousef, Ibrahim H. Eissa,	Design and synthesis of new nicotinamides as	Future Medicinal Chemistry, 2024 Nov 14, 1-16. doi:	Q3 (Chemistry, Medicinal)		✓	✓



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Hazem Elkady, Ahmed B. M. Mehany, Mariam Ali Abo-Saif, Mohamed M. Radwan, Mahmoud A. ElSohly, Ibrahim M. Ibrahim, Alaa Elwan, Mohamed Ayman El-Zahabi	immunomodulatory VEGFR-2 inhibitors and apoptosis inducers	10.1080/17568919.2024.2421150				
Reda G. Yousef, Alaa Elwan, Abdallah E. Abdallah, Hazem Elkady, Ahmed B.M. Mehany, Mariam Ali Abo-Saif, Mohamed M. Radwan, Mahmoud A. ElSohly, Ibrahim M. Ibrahim, Mohamed A. Elkady, Mohamed Ayman El-Zahabi, Ibrahim H. Eissa	Biological and computational assessment of new synthesized nicotinamides as potential immunomodulatory VEGFR-2 inhibitors	Journal of Molecular Structure, Volume 1305, 5 June 2024, 137753	Q2 (Chemistry, Physical)		✓	✓
Ghada Mohammad Al-Ashmawy, Suzy Abd El-Hakeem El-Sherbeni, Dina Adam Ali, Mariam Ali Abo-Saif	Chemotherapeutic effect of baicalein/epirubicin combination against liver cell carcinoma in-vitro: Inducing apoptosis and autophagy	Toxicology in Vitro, Volume 95, March 2024, 105744	Q3 (Toxicology)	✓	✓	

Ammena Y. Binsaleh, Fedaa A. Kotkata, Mostafa M. Bahaa, Amir O. Hamouda, Mohamad A. El-Gammal, Aya Ibrahim Elberri, Hend Mostafa Selim, Marwa Ahmed El-samongy, Manal A. Hamouda, Fatma A. Mokhtar, Sherif Ashraf Fahmy, Thanaa A. Elmasri, Eman I. Elberri	Tacrolimus versus hydrocortisone in management of atopic dermatitis in children, a randomized controlled double-blind study: New insights on TARC, CTACK, TSLP, and E-selectin	Immunity, Inflammation and Disease. Volume 12, Issue 11, Publication date: 2024/11	Q3 (Immunology)	✓	✓	✓
Elsayed I. Salim, Malak I. Elbassuny, Magdy E. Mahfouz, Eman M. El Nashar, Maha A. Alghamdi, Mohammad El-Nablaway, Hend M. Selim	Promoting effect of sunset yellow on N-methyl N-nitrosourea-induced rat mammary carcinogenesis: Implications of molecular mechanisms	Toxicology Letters, Volume 401, November 2024, Pages 13-23	Q2 (Toxicology)		✓	✓
Ehab AM El-Shoura, Ahmed AN Mohamed, Ahmed M Atwa, Esraa A Salem, Souty MZ Sharkawi, Hend Mostafa Selim, Aya Ibrahim	Combined diosmin and bisoprolol attenuate cobalt chloride-induced cardiotoxicity and endothelial dysfunction through modulating miR-	International immunopharmacology, 140, 112777	Q1 Pharmacology & Pharmacy Q2 Immunology		✓	

Elberri, El-Sayed Gawesh, Yasmine H Ahmed, Omnia AM Abd El-Ghafar	143-3P/MAPK/MCP-1, ERK5/CXCR4, Orai- 1/STIM-1 signaling pathways					
Walla MA Abdelazeez, Doaa AM Maaty, Zeinab A El-Swaify, Walaa A Negm, Hend M Selim, Gamil R Aboueldis	In vitro true root cultures of Lotus hebranicus Hochst. ex brand: profiling of secondary metabolites and plausible in vivo gastroprotective effect	Plant Cell, Tissue and Organ Culture (PCTOC), 156(3), 93	Q2 Plant Sciences Q3 Biotechnology & Applied Microbiology	✓	✓	
Badriyah S Alotaibi, Thanaa A El-Masry, Hend Selim, Maisra M El-Bouseary, Mostafa M El-Sheekh, Mofida EM Makhlof, Maysa MF El- Nagar	New insights into the anticancer effects of Polycladia crinita aqueous extract and its selenium nanoformulation against the solid Ehrlich carcinoma model in mice via VEGF, notch 1, NF- κB, cyclin D1, and caspase 3 signaling pathway	Frontiers in Pharmacology, 15, 1345516.	Q1 Pharmacology & Pharmacy	✓	✓	✓
Hayder M Al-Kuraishy, Ali I Al-Gareeb, Hend Mostafa Selim, Athanasios Alexiou,	Does vitamin D protect or treat Parkinson's disease? A narrative review	Naunyn-schmiedeberg's Archives of Pharmacology, 397(1), 33-40.	Q2 Pharmacology & Pharmacy	✓	✓	✓



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Marios Papadakis, Walaa A Negm, Gaber El-Saber Batiha						
Mohamed Elfarargy, Ghada Al-Ashmawy	Vitamin D as an adjuvant therapy in Neonatal Bronchopulmonary Dysplasia: is it beneficial?	Authorea Preprints.	---		✓	
Mohamed Elfarargy, Ghada Al-Ashmawy	Novel early predictor marker for neonatal bronchopulmonary dysplasia	Authorea Preprints.	---		✓	

Note: journal quartile is listed according to Web of science.

متابعة الخطة البحثية للكلية لعام ٢٠٢٤

متابعة تنفيذ الخطة البحثية لقسم الصيدلة الاكلينيكية

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
					✓		1 PhD	2 PhD--	من يناير إلى ديسمبر ٢٠٢٤
			✓				4 Master -	2Master	
			✓				16 Articles	7Articles	



List of publications

Authors list	Article title	Article publication	Journal quartile	الابحاث المشتركة		
				مشارك بين الاقسام العلمية بالكلية	مشارك بين الكلية ومؤسس ات محلية	مشارك بين الكلية ومؤسس ات دولية
Sahar M. El-Haggar, Sahar K. Hegazy, Maha M Maher, Monir M Bahgat, Mostafa M. Bahaa	Repurposing metformin as adjuvant therapy in patients with ulcerative colitis treated with mesalamine: A randomized controlled double-blinded study	International immune pharmacology. (2024); Vol (138), issue (112541)	Q1		✓	
Sahar Kamal Hegazy, Walaa Ahmed Amaar, Wafaa Salah Mohamed Hegab.	Tadalafil versus pentoxifylline in the management of diabetic kidney disease: a randomized clinical trial	Diabetology & Metabolic Syndrome. (٢٠٢٤) Vol. ١٦: ١٣٦	Q2		✓	

Khlood Mohammad Aldossary, Lashin Saad Ali, Mahmoud S Abdallah, Mostafa M Bahaa, Thanaa A Elmasry, Eman I Elberri, Fedaa A Kotkata, Ramy M El Sabaa, Yasmine M Elmorsi, Mostafa M Kamel, Walaa A Negm, Aya Ibrahim Elberri, Amir O Hamouda, Hayam Ali AlRasheed, Muhammed M Salahuddin, Mohamed Yasser, Manal A Hamouda	Effect of a high dose atorvastatin as added-on therapy on symptoms and serum AMPK/NLRP3 inflammasome and IL-6/STAT3 axes in patients with major depressive disorder: randomized controlled clinical study	Front. Pharmacol. (2024) Sec. Neuropharmacology Volume 15	Q1	✓	✓	✓



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Mohannad.O.khrieba, Sahar Kmal Hegazy, wessam Mustafa, Sahar M. El-Haggar	Repurposing celecoxib as adjuvant therapy in patients with Parkinsonian disease: a new therapeutic dawn: randomized controlled pilot study	Inflammo-pharmacology, (2024) , Volume 32, pages 3729–3738.	Q1		✓	
Sahar Kmal Hegazy, Ahmed Hosny Hassan	Comparing the Efficacy of Remdesivir, Favipiravir, and Casirivimab and Imdevimab on Duration of Hospitalization and ICU Stay of Hospitalized COVID-19 Patients	Life Science Research Community, (2024);Vol (1) issue(1) pp:21-30.	-		✓	

Sahar Kmal Hegazy, Ahmed Hosny Hassan	The effect of combination treatment with casirivimab and imdevimab versus standard antiviral therapy on clinical outcomes in hospitalized COVID-19 patients	Discover Medicin, (2024) 1:71	-		✓	
Sahar Mohamed El-Haggar, Yasser Mostafa Hafez, Amira Mohamed El Sharkawy, Maha Khalifa	Effect of empagliflozin in peripheral diabetic neuropathy of patients with type 2 diabetes mellitus	Medicina Clinic, (2024);Vol (136) issue(2) pp: 53-61.	Q1		✓	
Sumaiah J Alarfaj , Mostafa M Bahaa , Thanaa A Elmasry , Eman I Elberri, Eman El-Khateeb , Amir O Hamouda , Muhammed M Salahuddin , Marwa Kamal , Abdel-Naser Abdel-Atty Gadallah , Nashwa Eltantawy , Mohamed Yasser, Walaa A Negm , Manal A Hamouda, Amsha S Alsegiani , Sarah Alrubia, Mamdouh Eldesoqui , Mahmoud S Abdallah	Fenofibrate as an Adjunct Therapy for Ulcerative Colitis: Targeting Inflammation via SIRT1, NLRP3, and AMPK Pathways: A Randomized Controlled Pilot Study	Drug Design, Development and Therapy. (2024) Volume 18:pp 5239–5253	Q1	✓	✓	✓

Sahar M. El-Haggar, Sahar K. Hegazy, Maha M Maher, Monir M Bahgat, Mostafa M. Bahaa	Pentoxifylline in patients with ulcerative colitis treated with mesalamine by modulation of IL-6/STAT3, ZO-1, and S1P pathways: a randomized controlled double-blinded study	Inflammo pharmacology, (2024) , Volume 32, pages 3247–3258.	Q1		✓	
Amany Abd Elaal Aiad,Sahar Mohamed El-Haggar, Amal Mohamed El-Barbary, Dalia Refat El-Affy.	Metformin as adjuvant therapy in obese knee osteoarthritis patients	Inflammo pharmacology, (2024),Volume 32, pages :2349–2359	Q1		✓	
Mustafa O. Sharaf El-Deen , Moetaza M. Soliman , Gamal Al-Azab , Mohamed Samra , Mohammad E.E. Shams	Post-transplantation cyclophosphamide and cyclosporine A versus methotrexate and cyclosporine A for graft-versus-host disease prophylaxis after allogeneic peripheral stem cell transplantation in adult acute myeloid leukemia patients	Toxicology and Applied Pharmacology. (2024) 491:117071	Q1		✓	

Khlood M. Kettana, Sahar M. El-Haggar, Mohamed A. Alm El-Din, Dalia R. El-Affy.	Possible protective effect of rosuvastatin in chemotherapy-induced cardiotoxicity in HER2 positive breast cancer patients: a randomized controlled trial	Medical Oncology (2024) 41:196	Q2		✓	
Ammena Y. Binsaleh¹ , Fedaa A. Kotkata, ,Mostafa M. Bahaa,Amir O. Hamouda, Mohamad A. El-Gammal, Aya Ibrahim Elberri, Hend Mostafa Selim, Marwa Ahmed El-samongy, Manal A. Hamouda, Fatma A. Mokhtar, Sherif Ashraf Fahmy, Thanaa A. Elmasri, Eman I. Elberri.	Tacrolimus versus hydrocortisone in management of atopic dermatitis in children, a randomized controlled double-blind study: New insights on TARC, CTACK, TSLP, and E-selectin	Immunity Inflammion and Disease. (2024); Volume(12): 70028	Q3	✓	✓	✓

Khadija A.M. Glal , Sahar M. El-Hagggar, Sherief M. Abdel-Salam, Tarek M. Mostafa	Allopurinol Prevents Cirrhosis-Related Complications: A Quadruple Blind Placebo- Controlled Trial	The American Journal of Medicine.(2024):volume13 7(1).pp 55-64	Q1		✓	
Sahar M. El-Hagggar, Sahar K. Hegazy, Maha M Maher, Monir M Bahgat, Mostafa M. Bahaa, Sumaiah J Alarfaj , Thanaa A Elmasry, Sarah Alrubia, Amsha S Alsegiyani	Effect of a High Dose Atorvastatin as Adjuvant Therapy to Mesalamine in Attenuating Inflammation and Symptoms in Patients with Ulcerative Colitis: A Randomized Controlled	Front. Med. Sec. Gastroenterology. (2024) Volume 11	Q1		✓	✓
Ammena Y. Binsaleh, Mostafa M. Bahaa, Thanaa A. Elmasry, Eman I. Elberri, Fedaa A. Kotkata, Eman El-Khateeb, Marwa Kamal, Marwa Ahmed El-samongy , Amir O. Hamouda, Amira M. Alghamdi, Sarah Alrubia, Muhammed M. Salahuddin, Nashwa Eltantawy.	A randomized controlled trial comparing tacrolimus versus hydrocortisone for the treatment of atopic dermatitis in children: new perspectives on interferon gamma- induced protein and growth-related oncogene- α	Front. Med. Sec. Dermatology. (2024) Volume 11	Q1	✓	✓	✓



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متابعة الخطة البحثية للكلية لعام 2024

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			
			√				2 PhD	1 PhD	من يناير إلى ديسمبر 2024
			√				3 Master	1 Master	
			√				34 Articles	8 Articles	

List of publications

Authors list	Article title	Article publication	Journal quartile	الابحاث المشتركة		
				مشترك بين الاقسام العلمية بالكلية	مشترك بين الكلية ومؤسسات محلية	مشترك بين الكلية ومؤسسات دولية
Mahmoud S. Elkotamy, Mohamed K. Elgohary, Mahmoud Abdelrahman Alkabbani, Mohamed M. Hefina, Haytham O. Tawfik , Mohamed Fares , Wagdy M. Eldehna, Hatem A. Abdel-Aziz	Design, Synthesis, and Evaluation of Novel Benzofuran and Pyrazole-Based Derivatives as Dual AChE/BuChE Inhibitors with Antioxidant Properties for Alzheimer's Disease Management	<i>European Journal of Medicinal Chemistry</i> (2024): 117158.	Q1		√	
Moataz A. Shaldam, Mai H.A. Mousa, Haytham O. Tawfik, Ahmed M. El-Dessouki, Marwa Sharaky, Mohamed M. Saleh, Abdullah Yahya Abdullah Alzahrani, Sana Ben Moussa, Ahmed A. Al-Karmalawy	Muti-target rationale design of novel substituted N-phenyl-2-((6-phenylpyridazin-3-yl) thio) acetamide candidates as telomerase/JAK1/STAT3/TLR4 inhibitors: In vitro and in vivo investigations	<i>Bioorganic Chemistry</i> 153 (2024): 107843.	Q1		√	

Wagdy M. Eldehna, Haytham O. Tawfik, Maha-Hamadien Abdulla, Mohamed S. Nafie, Heba Aref, Moataz A. Shaldam, Noura S. Alhassan, Omar Al Obeed, Zainab M. Elsayed, Hatem A. Abdel-Aziz	Identification of indole-grafted pyrazolopyrimidine and pyrazolopyridine derivatives as new anti-cancer agents: Synthesis, biological assessments, and molecular modeling insights	<i>Bioorganic Chemistry</i> 153 (2024): 107804.	Q1		✓	
Bassem H. Naguib, Heba A. Elsebaie, Mohamed S. Nafie Samy Mohamady, Nader R. Albuju, Aya Samir Ayed Dina Nada, Ahmed F. Khalil Salma M. Hefny, Haytham O. Tawfik, Moataz A. Shaldam	Fragment-based design and synthesis of coumarin-based thiazoles as dual c-MET/STAT-3 inhibitors for potential antitumor agents	<i>Bioorganic Chemistry</i> 151 (2024): 107682.	Q1		✓	
Heba A. Elsebaie, Maha-Hamadien Abdulla, Zainab M. Elsayed, Moataz A. Shaldam Haytham O. Tawfik, Samar N. Morsy, Mansoor-Ali Vaali Mohammed, Thamer Bin Traiki Eslam B. Elkaeed, Hatem A. Abdel-Aziz, Wagdy M. Eldehna	Unveiling the potential of isatin-grafted phenyl-1,2,3-triazole derivatives as dual VEGFR-2/STAT-3 inhibitors: Design, synthesis and biological assessments	<i>Bioorganic Chemistry</i> 151 (2024): 107626.	Q1		✓	
Heba A. Elsebaie, Mohamed S. Nafie, Haytham O. Tawfik, Amany Belal, Mohammed M. Ghoneim, Ahmad . Obaidullah, Salwa Shaaban, Abdelmoneim A. Ayed, Mohamed El-Naggar, Ahmed B. M. Mehanyl and Moataz A. Shaldam	Discovery of new 1,3-diphenylurea appended aryl pyridine derivatives as apoptosis inducers through c-MET and VEGFR-2 inhibition: Design, synthesis, in vivo and in silico studies	<i>RSC Medicinal Chemistry</i> 15.7 (2024): 2553-2569.	Q1		✓	

Salma M. Hefny Tarek F. El-Moselhy, Nabaweya El-Din, Andrea Ammara, Andrea Angeli, Marta Ferraroni, Ahmed M. El-Dessouki ,Moataz A. Shaldam, Galal Yahya, Ahmed A. Al-Karmalawy, Claudiu T. Supuran, Haytham O. Tawfik	A new framework for novel analogues of pazopanib as potent and selective human carbonic anhydrase inhibitors: Design, repurposing rational, synthesis, crystallographic, in vivo and in vitro biological assessments	<i>European Journal of Medicinal Chemistry</i> (2024): 116527	Q1		✓	
Haytham O. Tawfik ,Mai H.A. Mousa , Mohamed Y. Zaky ,Ahmed M. El-Dessouki , Marwa Sharaky ,Omeima Abdullah ,Mervat H. El-Hamamsy ,Ahmed A. Al-Karmalawy	Rationale design of novel substituted 1,3,5-triazine candidates as dual IDH1(R132H)/ IDH2(R140Q) inhibitors with high selectivity against acute myeloid leukemia: In vitro and in vivo preclinical investigations	<i>Bioorganic Chemistry</i> 149 (2024): 107483	Q1		✓	
Salma M. Hefny ,Tarek F. El-Moselhy , Nabaweya El-Din ,Simone Giovannuzzi , Thamer Bin Traiki ,Mansoor-Ali Vaali-Mohammed ,Ahmed M. El-Dessouki ,Koki Yamaguchi, Masaharu Sugiura ,Moataz A. Shaldam ,Claudiu T. Supuran, Maha-Hamadien Abdulla, Wagdy M. Eldehna , Haytham O. Tawfik	Discovery and Mechanistic Studies of Dual-Target Hits for Carbonic Anhydrase IX and VEGFR-2 as Potential Agents for Solid Tumors: X-ray, In Vitro, In Vivo, and In Silico Investigations of Coumarin-Based Thiazoles	<i>Journal of Medicinal Chemistry</i> 67.9 (2024): 7406-7430	Q1		✓	

Omnia Montaser, Mona El-Aasr, Haytham O. Tawfik, Wesam S. Meshrif, Hanaa Elbrense	Drosophila melanogaster as a model organism for diabetes II treatment by the ethyl acetate fraction of Atriplex halimus L	Journal of Experimental Zoology Part A: Ecological and Integrative Physiology 341.6 (2024): 702-716.	Q1	√		
Moataz A. Shaldam, Maha-Hamadien Abdulla, Andrea Angel, Salma M. Hefny, Eman M. El-labbad , Abdullah Bin Obeed, Noura S. Alhassan, Claudiu T. Supuran, Wagdy M. Eldehna , Haytham O. Tawfik	Novel sulfonamide-tethered Schiff bases as anti-proliferative agents with VEGFR-2 inhibitory activity: Synthesis, biological assessment, and molecular dynamic simulations	<i>Journal of Molecular Structure</i> , 1309, 138148.	Q2		√	
Ahmed Sabt, Haytham O. Tawfik, Eman F. Khaleel, Rehab Mustafa Badi, Hoda Atef Abdelsattar Ibrahim, Eslam B. Elkaeed & Wagdy M. Eldehna	An overview of recent advancements in small molecules suppression of oncogenic signaling of K-RAS: an updated review	<i>Molecular Diversity</i> (2024): 1-28	Q1		√	
Haytham O. Tawfik, Mohamed M. Saleh, Andrea Ammara, Eman F. Khaleel, Rehab Badi Yomna T. T. Khater, Rabab A. Rasheed, Ahmed A. Attia, Salma M. Hefny, Eslam B. Elkaeed, Alessio Nocentini, Claudiu T. Supuran, Wagdy M. Eldehna, Moataz A. Shaldam	Discovery of Novel Pyridazine-Tethered Sulfonamides as Carbonic Anhydrase II Inhibitors for the Management of Glaucoma	<i>Molecular Diversity</i> (2024): 1-28	Q1		√	

Heba A. Elsebaie, Tarek F. El-Moselhy , Eman A. ElBastawissy , Kamel M. Elberembally, Rehab Mustafa Badi, Eslam B Elkaeem, Moataz A. Shaldam , Wagdy M. Eldehn, Haytham O. Tawfik a	Development of new thieno[2,3-d] pyrimidines as dual EGFR and STAT3 inhibitors endowed with anticancer and pro-apoptotic activities	<i>Bioorganic Chemistry</i> 143 (2024): 107101.	Q1		✓	
Mahmoud A. A. Ibrahim ,Doaa G. M. Mahmoud, Alaa H. M. Abdelrahman, Khlood A. A. Abdeljawaad, Gamal A. H. H. Mekhemer, Tamer Shoeib , Mohamed A. El-Tayeb, Peter A. Sidhom, Paul W. Paré , Mohamed-Elamir F. Hegazy	Benzothiazinone analogs as Anti-Mycobacterium tuberculosis DprE1 irreversible inhibitors: Covalent docking, validation, and molecular dynamics simulations	<i>PloS one</i> 19.11 (2024): e0314422.	Q1		✓	
Mahmoud A. A. Ibrahim, Maggie N. S. Hanna, Al-shimaa S. M. Rady, Peter A. Sidhom, Shaban R. M. Sayed, Mohamed A. El-Tayeb, Ahmed M. Awad, Hatem Tallima, Tamer Shoeib	A DFT investigation on the potential of beryllium oxide (Be ₁₂ O ₁₂) as a nanocarrier for nucleobases	<i>PloS one</i> 19.11 (2024): e0313885.	Q1		✓	
Mahmoud A. A. Ibrahim, Alaa M. A. Hassan, Eslam A. R. Mohamed, Gamal A. H. Mekhemer, Peter A. Sidhom, Mohamed A. El-Tayeb, Shahzeb Khan, Tamer Shoeib , Mahmoud E. S. Soliman, Alaa H. M. Abdelrahman	Repurposing of drug candidates against Epstein–Barr virus: Virtual screening, docking computations, molecular dynamics, and quantum mechanical study	<i>PloS one</i> 19.11 (2024): e0312100	Q1		✓	



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Swah Mohd. Nashre-ul-Islam, Kamala Kanta Borah, Füreya Elif Öztürkkan, Muhammad Asam Raza, Adnan Ashraf, Peter A. Sidhom, Mohamed A. El-Tayeb, Mahmoud A.A. Ibrahim, Mai M. Rabee	Planar π - π stacking interactions stabilized 3D structure of a dimeric Zn(II) complex: Crystal structure, DFT calculations, and anti-Alzheimer and anti-Parkinson potentials	<i>Journal of Molecular Structure</i> 1323 (2025): 140746.	Q2		✓	
Mahmoud A.A. Ibrahim, Al-shimaa S.M. Rady, Peter A. Sidhom, Mahmoud E.S. Soliman, Shahzeb Khan, Mohamed A. El-Tayeb, Ashraf M.M. Abdelbacki, Tamer Shoeib, Lamiaa A. Mohamed	A comparative DFT study of beryllium oxide (Be ₁₂ O ₁₂) and boron nitride (B ₁₂ N ₁₂) nanocages as potent drug delivery systems for allopurinol drug	<i>Chemical Physics Letters</i> 857 (2024): 141729.	Q2		✓	
Mahmoud A.A. Ibrahim, Alaa M.A. Hassan ^a , Gamal A.H. Mekhemer ^a , Peter A. Sidhom ^c , Mohamed A. El-Tayeb ^d , Ashraf M.M. Abdelbacki ^e , Shahzeb Khan ^f , Mahmoud E.S. Soliman ^g , Alaa H.M. Abdelrahman ^a	Exploring Marine Natural Products for Identifying Putative Candidates as EBNA1 Inhibitors: An Insight from Molecular Docking, Molecular Dynamics, and DFT Computations	<i>Chemistry & Biodiversity</i> (2024): e202401238.	Q1		✓	
Mahmoud A. A. Ibrahim, Sara S. M. Ali, Alaa H. M. Abdelrahman, Khlood A. A. Abdeljawaad, Peter A. Sidhom, Shaban R. M. Sayed, Mohamed A. El-Tayeb, Paul W. Paré, Mohamed-Elamir F. Hegazy	Naturally Occurring Plant-Based Anticancerous Candidates as Potential ERK2 Inhibitors: In-Silico Database Mining and Molecular Dynamics Simulations	<i>Chemistry & Biodiversity</i> (2024): e202401238.	Q2		✓	

Alaa M. A. Hassan, Peter A. Sidhom, Gamal A. H. Mekhemer, Mohamed A. El-Tayeb, Mohamed-Elamir F. Hegazy, and Mahmoud A. A. Ibrahim	Natural Products from Brazilian Biodiversity Explored as Anti-EBV Drug Candidates: In-Silico Database Mining, Docking Computations, Molecular Dynamics, and DFT Calculations	<i>Journal of Computational Biophysics and Chemistry</i> 23.9 (2024): 1129-1143.	Q3		✓	
Alaa M. A. Hassan, Peter A. Sidhom, Gamal A. H. Mekhemer, Mohamed A. El-Tayeb, Mohamed-Elamir F. Hegazy, and Mahmoud A. A. Ibrahim	Specialized compounds of four Cameroonian spices: Isolation, characterization, and in silico evaluation as prospective SARS-CoV-2 inhibitors	<i>Open Chemistry</i> 22.1 (2024): 20230203.	Q3		✓	
Mahmoud A.A. Ibrahim, Aya H.H. Mahmoud, Al-shimaa S.M. Rady , Peter A. Sidhom , Shaban R.M. Sayed , Mohamed Taha Yassin , Abdallah I.M. Rabee , Tamer Shoeib , Lamiaa A. Mohamed	Beryllium Oxide (Be ₁₂ O ₁₂) as a Nanocarrier for Cisplatin Anticancer Drug and Some of Its Analogs: A DFT Investigation	<i>Journal of Molecular Structure</i> (2024): 138995.	Q2		✓	
Mahmoud A. A. Ibrahim Al-Shimaa S. M. Rady Peter A. Sidhom Shaban R. M. Sayed Khalid Elfaki Ibrahim Ahmed M. Awad Tamer Shoeib*Lamiaa A. Mohamed	A Comparative DFT Investigation of the Adsorption of Temozolomide Anticancer Drug over Beryllium Oxide and Boron Nitride Nanocarriers	<i>ACS omega</i> (2024)	Q1		✓	



Latif, Saba, Bilal Ahmad Khan, Sammer Yousaf, Muhammad Ashfaq, Khurram Shahzad Munawar, Zahid Rashid, Shaban RM Sayed, Peter A. Sidhom, Mohamed-Elamir F. Hegazy, and Mahmoud AA Ibrahim.	Synthesis, Single Crystal XRD, In-Vitro, and In-Silico Studies of Polysubstituted Tetrahydropyridine as α -Amylase Inhibitor	<i>Journal of Molecular Structure</i> 1305 (2024): 137770.	Q2		✓	
Muhammad Naeem Ahmed, Hina Andleeb, Asmaa M. Fahim, Murtaza Madni, Sher Wali Khan, Babak Kaboudin, Mahmoud A.A. Ibrahim, Peter A. Sidhom, Diego M. Gil	Supramolecular assembly involving weak hydrogen bonds, anti-parallel $\pi \cdots \pi$ stacking and $O \cdots C$ tetrel bonding interactions and LOX studies in a 1H-pyrazol-1-yl) thiazole-4-carboxylate derivative: An experimental and theoretical study	<i>Journal of Molecular Structure</i> 1296 (2024): 136908.	Q2		✓	
Eman M. Elkafoury, Mervat H. ElHamamsy, Eman A. ElBastawissy, Kamyar Afarinkia, Shaimaa M. Aboukhatwa	Synergy trap for guardian angels of DNA: Unraveling the anticancer potential of phthalazinone-thiosemicarbazone hybrids through dual PARP-1 and TOPO-I inhibition	<i>Bioorganic Chemistry</i> 153 (2024): 107924.	Q1		✓	
Lamiaa A. Al-Madboly, Mohamed A. Abd El-Salam, Jairo K. Bastos, Shaimaa Aboukhatwa & Rasha M. El-Morsi	Characterization of GQA as a novel β -lactamase inhibitor of CTX-M-15 and KPC-2 enzymes	<i>Microbial Cell Factories</i> 23.1 (2024): 221.	Q1	✓		



Hanan S. Haggag, Shaimaa M. Aboukhatwa, Mohamed S. Nafie, Anju Paul, Nabaweya Sharafeldin, Antony W. Oliver, Mervat H. El-Hamamsy.	Design and synthesis of quinazolin-4-one derivatives as potential anticancer agents and investigation of their interaction with RecQ helicases	<i>Bioorganic Chemistry</i> 144 (2024): 107086	Q1		✓	
Reem Binsuwaidan, Thanaa A. El-Masry, Mostafa El-Sheekh , Mohamed G. Seadawy , Mofida E. M. Makhlof , Shaimaa M. Aboukhatwa , Nagla A. El-Shitany , Kadreya E. Elmorshedy , Maysa M. F. El-Nagar, and Maisra M. El-Bouseary.	Prospective Antiviral Effect of Ulva lactuca Aqueous Extract against COVID-19 Infection	<i>Marine Drugs</i> 22.1 (2023): 30	Q1	✓		
Manal A. Nael, Mohammed M. Ghoneim, Mansour Almuqbil, Rasha Hamed. Al-Serwi, Mohamed El-Sherbiny, Ahmad E. Mostafa & Khaled M. Elokely	An evaluation of the precision of computational methods used in drug development initiatives	<i>Journal of Biomolecular Structure and Dynamics</i> (2024): 1-15.	Q1			✓
Salma A Elsherbeni, Rebecca L Melen, Alexander P Pulis, Louis C Morrill	Accessing Highly Substituted Indoles via B(C ₆ F ₅) ₃ -Catalyzed Secondary Alkyl Group Transfer	<i>The Journal of Organic Chemistry</i> 89.6 (2024): 4244-4248	Q1			✓
Md Abdul Bari, Salma A Elsherbeni, Tahir Maqbool, Daniel E Latham, Edward B Gushlow, Emily J Harper, Louis C Morrill	Iron-catalyzed transfer hydrogenation of allylic alcohols with isopropanol	<i>he Journal of Organic Chemistry</i> 89.19 (2024): 14571-14576	Q1			✓

List of Master thesis

Name of candidate	Title of thesis	Date of award
Hanan Suliman	Design, synthesis and cytotoxic evaluation of some quinazolinone derivatives	February 2024
Salma Mosaad	Carbonic anhydrase inhibitors as potential anticancer and/or antiglaucoma: synthesis, biological activity and computational chemistry of aryl sulfonamide and/or non sulfonamide derivatives	June 2024
Eman Elkafoury	Novel Phthalazine Derivatives: Design, Synthesis, Biological Evaluation and Molecular Modelling as Anticancer Agents	November 2024

List of PhD thesis

Name of candidate	Title of thesis	Date of award
Heba Atfy	Design, Synthesis, Biological screening and computational chemistry of novel Thienopyrimidine derivatives	February 2024
Salma Elsherbieny	Accessing Highly Substituted Indoles via B(C ₆ F ₅) ₃ -Catalyzed Secondary Alkyl Group Transfer	December 2024

متابعة الخطة البحثية للكلية لعام ٢٠٢٤

متابعة تنفيذ الخطة البحثية لقسم الكيمياء التحليلية الصيدلانية

توصيات لجنة المتابعة	أسباب القصور (إن وجد)	أوجه القصور (إن وجد)	يتفق مع الخطة البحثية				المخرج	المستهدف	الفترة الزمنية
			3	2	1	0			
			√				2 PhD	---PhD	من يناير
			√				3 Master -	٢ Master	إلى ديسمبر
			√				51Articles	٢ Articles	٢٠٢٤

List of publications

Authors list	Article title	Article publication	Journal quartile	الابحاث المشتركة		
				مشارك بين الاقسام العلمية بالكلية	مشارك بين الكلية ومؤسسات محلية	مشارك بين الكلية ومؤسسات دولية
Fathalla Belal, Mokhtar Mabrouk, Sherin Hammad, Hytham Ahmed & Aya Barseem	Recent Applications of Quantum Dots in Pharmaceutical Analysis	Journal of Fluorescence 34(2024)119-138.	Q3		√	
Sherin F Hammad, Inas A Abdallah, Alaa Bedair, Reda M Abdelhameed, Marcello Locatelli, Fotouh R Mansour	Metal organic framework-derived carbon nanomaterials and MOF hybrids for chemical sensing	TrAC Trends in Analytical Chemistry 170(2024)117425	Q1			√
Sherin F Hammad, Samah F El-Malla, Basma Z El-Khateeb	Green micellar liquid chromatographic method for simultaneous determination of antihistaminic drugs tripeleennamine hydrochloride and diphenhydramine in pharmaceutical gel	Journal of Separation Science 47(2024)2300757	Q2	√		

Aya M El-Hassanein, Fotouh R Mansour, Sherin F Hammad, Aya A Abdella	Simple colorimetric paper- based test strip for point- of-use quality testing of ethanol-based hand sanitizers	RSC advances 14(2024) 8188-8194	Q2	√		
Amira H Kamal, Sherin F Hammad, Mohamed M Salim, Mahmoud M Elkhodary, Aya A Marie	Simultaneous estimation of two anti-diabetic drugs; Linagliptin and empagliflozin in their tablet by chemometric spectrophotometry	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 305(2024)123556	Q1		√	
Aya A Abdella, Asmaa M Zaki, Sherin Hammad, Fotouh R Mansour	Rapid environmentally benign label free detection of heparin using highly fluorescent N, S-CDs sensing probe through a turn-on mechanism	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 306(2014)123609	Q1	√		
Fotouh R Mansour, Sherin F Hammad, Inas A Abdallah, Alaa Bedair, Reda M Abdelhameed, Marcello Locatelli	Applications of metal organic frameworks in point of care testing	TrAC Trends in Analytical Chemistry 172(2024)117596	Q1			√
Badiea Soliman, Mokhtar Mohamed Mabrouk,	Development and Validation of RP-HPLC	Journal of Advanced Medical and Pharmaceutical Research	NA	√		

Sherin Hammad, Amira H Kamal	Method for Analysis of Counterfeit Clopidogrel	5(2024)34-41				
Heba Aref, Sherin Hammad, Khaled M Darwish, Mohamed S Elgawish	Unveiling Pharmacokinetics and Drug Interaction of Linagliptin and Pioglitazone HCl in Rat Plasma Using LC-MS/MS	Journal Chemical Research in Toxicology 37(2024)779-790	Q2		√	
Mokhtar Mabrouk, Sherin F Hammad, Fotouh R Mansour, Aya A Abdella	A critical review of analytical applications of chitosan as a sustainable chemical with functions galore	Critical Reviews in Analytical Chemistry 54(2024)840-856	Q1	√		
Fotouh R Mansour, Reda M Abdelhameed, Sherin F Hammad, Inas A Abdallah, Alaa Bedair, Marcello Locatelli	A microcrystalline cellulose/metal-organic framework hybrid for enhanced ritonavir dispersive solid phase microextraction from human plasma	Journal Carbohydrate Polymer Technologies and Applications 7(2024)100453	Q1			√
Alaa Bedair, Reda Abdelhameed, Sherin F	Applications of metal organic frameworks in	Journal of Chromatography A (2024)	Q1		√	

Hammad, Inas A Abdallah, Fotouh R Mansour	dispersive micro solid phase extraction (D- μ - SPE)	465192				
Mokhtar Mabrouk, Sherin F Hammad, Aya A Abdella, Fotouh R Mansour	A Novel Enantioselective Chitosan-Based Stationary Phase Prepared by Molecular Imprinting of a Racemic Template	Journal Chromatographia 87(2024) 471-478	Q3	√		
Aya A Abdella, Sherin F Hammad	In situ one-pot synthesis of chitosan@ P, N-CPDs as a ratiometric scatter up- conversion sensor for α - lipoic acid	Microchemical Journal Volume 204 Pages 111123	Q1	√		
Alaa Bedair, Reda M Abdelhameed, Sherin F Hammad, Inas A Abdallah, Marcello Locatelli, Fotouh R Mansour	A luminescent metal- organic framework composite as a turn-on sensor for the selective determination of monosodium glutamate in instant noodles	Microchemical Journal 204(2024) 111132	Q1		√	

Amira Kamal, Mokhtar M Mabrouk, Sherin F Hammad, Badiea Soliman	Isocratic RP-HPLC method for detection of sildenafil in some marketed dietary supplements	Journal of Advanced Medical and Pharmaceutical Research 5(2024)82-91	NA	√		
Mona M Rady, Sherin F Hammad, Samah F El-Malla	Simultaneous spectrophotometric and chromatographic determination of Ketorolac and Dexamethasone: Overall assessment regarding environmental Impact, Practicality, and ...	Microchemical Journal 205(2024) 111402	Q1	√		
Mahmoud M Elkhoudary, Aya A Marie, Sherin F Hammad, Mohamed M Salim, Amira H Kamal	Decoding the synergy: unveiling gradient boosting regression model for multivariate quantitation of pioglitazone, alogliptin and glimepiride in pure and tablet dosage forms	BMC chemistry 18(2024) 237	Q2		√	
Alaa Bedair, Reda M Abdelhameed, Sherin F Hammad, Inas A Abdallah,	Aggregation-induced emission of hybrid microcrystalline	Microchemical Journal 207(2024)112198	Q1			√

Marcello Locatelli, Fotouh R Mansour	cellulose/metal–organic framework for selective spectrofluorometric detection of nirmatrelvir					
Alaa Bedair Mahmoud Hamed Sameera Sh. Mohammed Ameen Khalid M. Omer Fotouh R. Mansour	Polyphenolic antioxidant analysis using metal organic Frameworks: Theoretical foundations and practical applications	Microchemical Journal 205 (2024)111183	Q1		√	
Fotouh R. Mansour Khalid M. Omer Justyna Plotka-Wasyłka	A total scoring system and software for complex modified GAPI (ComplexMoGAPI) application in the assessment of method greenness	Green Analytical Chemistry 10(2024)100126				√
Rehab H. Elattar Samah F. El-Malla Amira H. Kamal Fotouh R. Mansour	Applications of metal complexes in analytical chemistry: A review article	Coordination Chemistry Reviews 501(2024)215568	Q1	√		
Fotouh R. Mansour Alaa Bedair Mahmoud Hamed Galal Magdy	Applications of (natural) deep eutectic solvents in liquid phase microextraction: A review	Microchemical Journal 198(2024)110178	Q1			√

Imran Ali Marcello Locatelli						
Mahmoud Hamed Sampath Chinnam Alaa Bedair Samy Emara Fotouh R. Mansour	Carbon quantum dots from natural sources as sustainable probes for metal ion sensing: Preparation, characterizations and applications	Talanta Open 10(2024)100348	Q1			√
Fotouh R. Mansour, Justyna Płotka-Wasyłka and Marcello Locatelli	Modified GAPI (MoGAPI) Tool and Software for the Assessment of Method Greenness: Case Studies and Applications	Analytica 5(2024) 451-457	NA			√
Reham E. Kannouma Amira H. Kamal Mohamed A. Hammad Fotouh R. Mansour	Tips and Tricks for Applying luminescent carbon dots in chemical Analysis: Recent Advancements, Obstacles, and future Outlook	Microchemical Journal 207(2024)111667	Q1		√	
Taghrid Alomar Najla AlMasoud Fotouh R. Mansour	A green method for the preparation of carbon quantum dots from yellow lupin peel waste for spectrofluorometric	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 322(2024)124825	Q1		√	

	determination of nirmatrelvir					
Amira H. Kamal Reham E. Kannouma Mohamed A. Hammad Fotouh R. Mansour	Rapid microwave fabrication of highly luminescent nitrogen and phosphorous co-doped carbon quantum dots for the determination of glutathione in pharmaceutical supplements	Microchemical Journal 206(2024)111488	Q1		√	
Sameera Sh. Mohammed Ameen Alaa Bedair Mahmoud Hamed Fotouh R. Mansour Khalid M. Omer	Repurposing expired metformin to fluorescent carbon quantum dots for ratiometric and color tonality visual detection of tetracycline with greenness evaluation	Microchemical Journal 207(2024)111960	Q1		√	
Marcello Locatelli Abuzar Kabir Miryam Perrucci Halil Ibrahim Ulusoy Songül Ulusoy Natalia Manousi Victoria Samanidou Imran Ali	Recent trends in sampling and sorbent-based sample preparation procedures for bioanalytical applications	Microchemical Journal 207(2024)111903	Q1			√

Sariye Irem Kaya Fotouh R. Mansour Ahmet Cetinkaya Sibel A. Ozkan						
Hadeer M. Bedair, Tamer M. Samir & Fotouh R. Mansour	Antibacterial and antifungal activities of natural deep eutectic solvents	Applied Microbiology and Biotechnology108(٢٠٢٤)	Q1		√	
Aya Saad Radwan Mohamed A. El Hamd Mahmoud El-Maghrabey Fotouh R. Mansour Lateefa A. Al-Khateeb Faten M. Ali Zainy Wael A. Mahdi Sultan Alshehri Wejdan T. Alsaggaf Galal Magdy	A highly sensitive micelle-sensitized spectrofluorimetric approach for analysis of montelukast in dosage forms and human plasma: Greenness assessment and application to content uniformity testing	Sustainable Chemistry and Pharmacy 39(2024) 101525	Q2		√	
Sameera Sh. Mohammed Ameen, Alaa Bedair, Mahmoud Hamed, Fotouh R. Mansour, Khalid M. Omer	Recent Advances in Metal–Organic Frameworks as Oxidase Mimics: A Comprehensive Review on Rational Design and Modification for	ACS Applied Materials & Interfaces	Q1		√	



جامعة طنطا
كلية الصيدلة

	Enhanced Sensing Applications					
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Fotouh R. Mansour Mohamed Ahmed Abdel Hamid Aya Gamal Samar H. Elagamy	Nitrogen sulfur co doped carbon quantum dots as fluorescent probe for quantitative determination of monosodium glutamate in food samples	Journal of Food Composition and Analysis 127(2024)105972	Q2	√		
Aya Saad Radwan Mohamed M. Salim Fathalla Belal Fotouh R. Mansour Adel Ehab Ibrahim Galal Magdy	Innovative five eco-friendly spectrophotometric methods for simultaneous determination of the recently FDA-approved combination, dextromethorphan and bupropion in co-formulated tablets and biological fluids	Sustainable Chemistry and Pharmacy 42(2024) 101796	Q2		√	
Hamed, Mahmoud; Khalifa, Maha; El Hassab, Mahmoud A.; Abourehab, Mohammed A. S.; Al Kamaly, Omkulthom; Alanazi, Ashwag S.; Eldehna, Wagdy M.; Mansour, Fotouh R.	The Potential Roles of Ficus carica Extract in the Management of COVID-19 Viral Infections: A Computer-aided Drug Design Study	Current Computer - Aided Drug Design, 20 (2024) 974-986	Q3		√	

Yomna A. Sabera · Mahmoud Hamed, b · Samy Emaraa, b · Fotouh R. Mansour, d · Fotouhrashed · Marcello Locatelli · Noha Ibrahim	Garlic peel-based carbon quantum dots as a sustainable alternative for the sensitive and green spectrofluorometric quantification of molnupiravir in pharmaceutical capsules	heliyon.10(2024)	Q1			√
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Hadeer M. Bedair Alaa Bedair Mahmoud Hamed Marcello Locatelli Fotouh R. Mansour	Metal organic frameworks for bacterial detection in environmental samples	Talanta Open 10 (2024)100374	Q1			√
Reham E. Kannouma, Amira H. Kamal, Mohamed A. Hammad, Fotouh R. Mansour	Incorporation of eggshell waste in the preparation of carbon quantum dot nanoprobes for the determination of COVID-19 antiviral drug; molnupiravir	Microchemical Journal, 200(2024)110397	Q1		√	
Reham E. Kannouma, Amira H. Kamal, Mohamed A. Hammad, Fotouh R. Mansour	Tips and Tricks for Applying Luminescent Carbon Dots in Chemical Analysis: Recent Advancement, Obstacles, and Future Outlook	Microchemical Journal, 207(2024)111667	Q1	√		

Eman A. Elshenawy, Mohamed G. Yassin, Aya A. Marie	P-doped carbon dot nano-probe for inner filter effect-based determination of sarecycline in pharmaceutical dosage form and human plasma	Luminescence, 39 (2024)4889	Q2		√	
Eman A. Elshenawy, Moataz A. Shaldam	Unlocking the potential of eggplant peel: Powerful peroxidase nanozyme for l-cysteine determination in pharmaceutical supplements	Microchemical journal, 207 (2024), 111933	Q1		√	
Aya A. Abdella, Eman A. Elshenawy	A spatial hue smartphone-based colorimetric detection and discrimination of carmine and carminic acid in	Talanta, 282 (2024), 127053	Q1	√		

	food products based on differential adsorptivity					
Mohamed Ahmed Abdel Hamid, aya gamal, samar Elagamy F. R. Mansour	Eco-friendly cobalt-doped carbon quantum dots for spectrofluorometric determination of pregabalin in pharmaceutical capsules	Journal of Pharmaceutical and Biomedical Analysis	Q2	√		
Aya Barseem, MahmoudElshahawy Samar H. Elagamy	Fluorimetric determination of Vonoprazan via quenching of nitrogen and sulfur co-doped carbon quantum dots: A rapid and sustainable analytical approach	Luminescence. (2024)	Q2		√	
Samah F. EL-Malla1, Fotouh R. Mansour1, Almoataz Bellah B.	Development of a stability indicating high performance liquid	BMC chemistry	Q2	√		

Elbastawissy1 and Samar H. Elagamy	chromatography method for determination of cenobamate: study of basic degradation kinetics					
Mokhtar M. Mabrouk, Fotouh R. Mansour, Hamsa B. Hassan, Aya A. Abdella	Spectrofluorometric Turn-Off Sensing Probe for Tolmetin Determination Using Cerium and Nitrogen Codoped Carbon Dots	Analytical science journal, 39 (2024)1-17	Q3	√		
Samah F. ElMalla, AliaaA. Hamza & Samar H. Elagamy	Simultaneous determination of meloxicam and bupivacaine via a novel modified dual wavelength method and an advanced chemometric approach	Scientific reports, 14 (2024)1-9	Q1	√		
Mona M Amer, Basma Z ElKhateeb	Green micellar factorial design	Luminescence, 39(2024)	Q2	√		

	optimized first derivative synchronous spectrofluorimetric method for tripeleennamine and diphenhydramine determination in pharmaceutical gel					
Safa M Megahed, Mona M Amer	Green direct and ratio-based spectrophotometric manipulated methods for tinidazole and ciprofloxacin hydrochloride concomitant assay in their tablet dosage form	Green Analytical Chemistry(2024)	Q2	√		
Walaa Zarad, Ahmed Shawky, Nourhan Elsamanoudie, Sahar Abdelraouf, Maha Kamal, Mahmoud	A solvent free normal-stacking micellar electrokinetic chromatography integrated with on-	Microchemical Journal	Q1		√	

Hamed, Fotouh R Mansour, Samy Emara, Noha Ibrahim	line chemical modification for measuring morphine and morphine-6- glucuronide in human serum					
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رئيس القسم

ش.د. شيرين فاروق حماد

أ.د/ شيرين فاروق حماد

Eslam Elfar1 *, Kamilia A. Abo El-Seoud1 , Nagwa A. Shoeib1 , Ghada Attia1

متابعة الخطة البحثية للكلية لعام ٢٠٢٤

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			
			√				1 PhD	---PhD	من يناير إلى ديسمبر ٢٠٢٤
			√				2 Master	---Master	
			√				32 Articles	2 Articles	

List of publications

Authors list	Article title	Article publication	Journal quartile	الابحاث المشتركة		
				مشارك بين الاقسام العلمية بالكلية	مشارك بين الكلية ومؤسسات محلية	مشارك بين الكلية ومؤسسات دولية
Toshihiro Nohara, Yukio Fujiwara, Mona El-Aasr, Tsuyoshi Ikeda, Masateru Ono, Daisuke Nakano, Junei Kinjo	Anticancerous sulfides from onion, Welsh onion, and garlic	Studies in Natural Products Chemistry 83 (2024): 69-94.	Book chapter			√
Abdelrahman A Ziada, Amal Kabbash, Mona El-Aasr, Mohamed A Selim, Rehab F Abdel-Rahman, Hanan A Ogaly, Ahmed H El-Desoky	LC-MS/MS metabolomics approach for chemical characterization of Beta vulgaris subspecies maritima extract through untargeted molecular networking, in correlation to its renoprotective activity in renal ischemia/reperfusion induced injury model in rats	Food Bioscience 59 (2024): 104004	Q 1		√	
Omnia Montaser, Mona El-Aasr, Haytham O Tawfik, Wesam S Meshrif, Hanaa Elbrense	Drosophila melanogaster as a model organism for diabetes II treatment by the ethyl acetate fraction of <i>Atriplex halimus</i> L.	<i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> 341.6 (2024): 702-716	Q 1	√	√	

Gehad S Ahmedy, Suzy A El-Sherbeni, Mona El-Aasr, Souzan M Ibrahim	A Comparative Study of Cytotoxic Effect in Three Vitis vinifera L. Varieties: King Ruby, Thompson and Crimson against A-549 lung cancer cell line	<i>Journal of Advanced Medical and Pharmaceutical Research</i> , 2024, 1-9	-	√		
H. M. El-Seadawy, R. M. El-Shabasy, A. Zayed	Rediscovering the chemistry of the <i>Cunninghamella</i> species: potential fungi for metabolites and enzymes of biological, industrial, and environmental values	<i>RSC Adv.</i> 2024,14, 38311-38334	Q2		√	
A. Zayed , H. A. Zahran, Z. Li, I. Khalifa, A. Serag, N. M. Fayek, Al. Nicolescu, A. Mocan, E. Capanoglu, M. A. Farag; Olive solid wastes	UHPLC-MS/MS-based biochemometric approach for investigating the effect of conventional versus modern extraction methods on <i>in vitro</i> antioxidant, α -glucosidase, and lipase actions	<i>Food Biosci</i> 2024, 62, 105496	Q1			√
N. M. Fayek, A. Zayed , H.A. Zahran, N. S. Ramada, E. Capanoglu, Z. Li, Y. Fang, I. Khalifa, M. A. Farag	Effect of cultivar type, ontogeny and extraction methods as determinant factors of olive leaf metabolome: A case study in 8 Egyptian cultivars as	<i>Ind. Crops Prod.</i> 2024; 222(5), 120085	Q1			√

	analyzed using LC/MS-based metabolomics					
A. Zayed , V. Goyal, K. Kiran, H. Attia, M. A. Farag	Analysis of salinity-induced metabolome changes in Indian mustard (<i>Brassica juncea</i>) roots and shoots: hydroponic versus microplot cultivation	<i>J. Sci. Food Agric.</i> 2024	Q2			√
L. Azmy, E. Al-Olayan, M. A. A. Abdelhamid MAA, A. Zayed , S. F. Gheda, K. A. Youssif, H. A. Abou-Zied, U. R. Abdelmohsen, I. B. M. Ibraheem, S. P. Pack, K. N. M. Elsayed	Antimicrobial Activity of <i>Arthrospira Platensis</i> -Mediated Gold Nanoparticles against <i>Streptococcus pneumoniae</i> : A Metabolomic and Docking Study	<i>Int. J. Mol. Sci.</i> 2024; 25(18):10090	Q1			√
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L. Azmy, L., I.B.M. Ibraheem, S.A. Alsalamah, M.I. Alghonaim, A. Zayed , R.H. Abd El-Aleam, S.A. Mohamad, U.R.	Evaluation of Cytotoxicity and Metabolic Profiling of <i>Synechocystis</i> sp. Extract Encapsulated in Nano-Liposomes and Nano-Niosomes Using LC-MS,	<i>Biology</i> 2024, 13, 581	Q1			√

Abdelmohsen, K.N.M Elsayed	Complemented by Molecular Docking Studies.					
A. M. K. Mahrous, M. S. Hifnawy, R. M. S. Ashour, M. Y. Issa, A. Zayed	Phytochemical profiling of <i>Livistona carinensis</i> leaf extract via UHPLC-QTOF- MS/MS with assessment of its antiviral mechanisms	<i>RSC Adv.</i> (2024), 14, 21300-21306	Q2		√	
M. Mahboubifar, C. Zidorn, M. A. Farag, A. Zayed , R. Jassbi	Chemometric-based drug discovery approaches from natural origins using hyphenated chromatographic techniques	<i>Phytochem. Anal.</i> (2024); 1-27	Q2			
M. El Jemli, S.M. Ezzat, M. Kharbach, E.S. Mostafa, R.A. Radwan, Y. El Jemli, O. El-Guourrami, S. Ahid, Y. Cherrah, A. Zayed , K. Alaoui	Bioassay-guided isolation of anti-inflammatory and antinociceptive metabolites among three Moroccan Juniperus leaves extract supported with in vitro enzyme inhibitory assays	<i>J. Ethnopharmacol.</i> 331 (2024) 118285	Q1			√
A. Schmeckebier, C. Ebel, J. Haffelder, C. Müller-Renno, C. Ziegler, A. Zayed , J. Stiefelmaier, R. Ulbe	Short Communication: A method for cell separation of <i>Ocimum basilicum</i> CMC cells for AFM measurement;	<i>Plant Cell Tiss Organ Cult</i> 156, 86 (2024)	Q2			√
R. M. El-Shabasy, T. F. Eissa, Y. Emam, A. Zayed , N. Fayek & M. A. Farag	Valorization potential of Egyptian mango kernel waste product as analyzed	<i>Sci Rep</i> 14, 2886 (2024)	Q2		√	

	via GC/MS metabolites profiling from different cultivars and geographical origins					
Javad Sharifi-Rad, Maria Magdalena Quetglas-Llabrés, Antoni Sureda, Lorena Mardones, Marcelo Villagran, Eda Sönmez Gürer, Jelena Živković, Shahira M. Ezzat, A. Zayed , Safa Gümüşok, Ceyda Sibel Kılıç, Babatunde Fasipe, Ismail Laher, Miquel Martorell	Supercharging metabolic health with <i>Lycium barbarum</i> L.: A review of the therapeutic potential of this functional food for managing metabolic syndrome	<i>Food Frontiers</i> 2024, 5, 420–434	---			√
Journal of Advanced Medical and Pharmaceutical Research. (2024) Vol. 5, issue 2, pp. 113–120	Fungal Screening of Some Natural Bioactive Purine-based Alkaloids for Efficient Biotransformation	Journal of Advanced Medical and Pharmaceutical Research. (2024) Vol. 5, issue 2, pp. 113–120	---			
Thanaa A. El-Masry, Engy Elekhawwy, Fatma A. Mokhtar, Hosam M. El-Seadawy & Walaa A. Negm	Studying the effects of secondary metabolites isolated from <i>Cycas thouarsii</i> R.Br. leaves on MDA-MB-231 breast cancer cells	Artificial cells, NANomedicine, AND Biotechnology (2024) Vol. 52, issue 1, pp. 103-113	Q1	√		√

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Alotaibi B, Elekhawy E, El-Masry TA, Saleh A, Alosaimi ME, Alotaibi KN, Negm WA	Antibacterial potential of Euphorbia canariensis against Pseudomonas	Artificial Cells, Nanomedicine, and Biotechnology. 52(1):261-9. (2024)	Q1	√		√

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Alotaibi B, El-Masry TA, Negm WA , Saleh A, Alotaibi KN, Alosaimi ME, Elekhrawy E	In vivo and in vitro mitigation of Salmonella typhimurium isolates by Fortunella japonica fruit extract.	. (2024) Current Microbiology. 81(8):262.	Q3	√		√
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Selim MI, Sonbol FI, El-Banna TE, Negm WA , Elekhrawy E	Antibacterial and wound healing potential of biosynthesized zinc oxide nanoparticles against carbapenem-resistant <i>Acinetobacter baumannii</i> : an in vitro and in vivo study.	Microbial Cell Factories 23: 281. (2024)	Q1	√		
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