

Personal Information



• Name:	Ahmed Esam Khodeir
• Academic Position:	Associated professor of Pharmacology and Toxicology
• Faculty:	Pharmacy
• Department:	Pharmacology and Toxicology
• Current position:	<u>Associated professor</u> of Pharmacology department at faculty of pharmacy, <u>Horus university</u>
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Academic Positions

Demonstrator			
<i>Organization</i>	<i>Country</i>	<i>From</i>	<i>To</i>
Faculty of Pharmacy, Delta University	Egypt	11-2011	1-2015
Assistant Lecturer			
<i>Organization</i>	<i>Country</i>	<i>From</i>	<i>To</i>
Faculty of Pharmacy, Delta University	Egypt	2-2015	11-2017
Associated professor - Assistant Professor (Lecturer)			
<i>Organization</i>	<i>Country</i>	<i>From</i>	<i>To</i>
Faculty of Pharmacy, Delta University	<i>Egypt</i>	12-2017	30-8-2020
Faculty of Pharmacy, Horus University (Associated professor)	<i>Egypt</i>	1-9-2020	till now

Publications

1. **Khodir, A. E.**, H. A. Ghoneim, M. A. Rahim and G. M. Suddek (2014). "Montelukast reduces sepsis-induced lung and renal injury in rats." Canadian journal of physiology and pharmacology 92(10): 839-847 (Impact factor:2.2 Q2).
2. **Khodir, A. E.**, H. A. Ghoneim, M. A. Rahim and G. M. Suddek (2015). "Montelukast attenuates lipopolysaccharide-induced cardiac injury in rats." Human & experimental toxicology (Impact factor:2.171 Q2).
3. **Khodir, A. E.**, Atef, H., ElKashef, H. A., and Salem, H. A. (2017)"Implication of Nrf2/HO-1 pathway in the coloprotective effect of coenzyme Q10 against experimentally induced ulcerative colitis." Inflammopharmacology 25, 119-135. (Impact factor:4.73 Q1)
4. **Khodir, A. E.**, E. Said, H. Atif, H. A. ElKashef and H. A. Salem (2019). "Targeting Nrf2/HO-1 signaling by crocin: Role in attenuation of AA-induced ulcerative colitis in rats." Biomedicine & Pharmacotherapy 110: 389-399 (Impact factor: 6.5 Q1)
5. Saber, S., **A. E. Khodir**, W. E. Soliman, M. M. Salama, W. S. Abdo, B. Elsaeed, K. Nader, A. Abdelnasser, N. Megahed and M. Basuony (2019). "Telmisartan attenuates N-nitrosodiethylamine-induced hepatocellular carcinoma in mice by modulating the NF- κ B-TAK1-ERK1/2 axis in the context of PPAR γ agonistic activity." Naunyn-Schmiedeberg's archives of pharmacology: 1-14 (Impact factor:2.25 Q2)
6. El-Far, Y. M., **A. E. Khodir**, A. O. Noor, D. M. Almasri, A. A. Bagalagel, R. M. Diri, H. I. Kutbi and M. M. Al-Gayyar (2020). "Selective cytotoxic activity and protective effects of sodium ascorbate against hepatocellular carcinoma through its effect on oxidative stress and apoptosis in vivo and in vitro." Redox Report 25(1): 17-25 (Impact factor:2.12 Q2)
7. **Khodir, A. E.** and E. Said (2020). "Nifuroxazide attenuates experimentally-induced hepatic encephalopathy and the associated hyperammonemia and cJNK/caspase-8/TRAIL activation in rats." Life sciences: 117610.(Impact factor:5.1 Q1)
8. **Khodir, A. E.**, Y. A. Samra and E. Said (2020). "A novel role of nifuroxazide in attenuation of sepsis-associated acute lung and myocardial injuries; role of TLR4/NLPR3/IL-1 β signaling interruption." Life sciences: 117907 .(Impact factor:5.1 Q1)
9. El-Far, Y. M., **A. E. Khodir**, Z. A. Emarah, M. A. Ebrahim and M. M. Al-Gayyar (2020). "Fucoidan Ameliorates Hepatocellular Carcinoma Induced in Rats: Effect on miR143 and Inflammation." Nutrition and Cancer: 1-13
10. El-Baz, Ahmed, **E. Khodir, Ahmed**, Sokkary, Mohamed and Shata, Ahmed. (2020). The protective effect of Lactobacillus versus 5-aminosalicylic acid

in ulcerative colitis model by modulation of gut microbiota and Nrf2/Ho-1 pathway. *Life Sciences*. 117927. 10.1016 .(Impact factor: 5.1 Q1)

11. Mourad AA **E, Khodir AE**, Saber S, Mourad MAE. Novel Potent and Selective DPP-4 Inhibitors: Design, Synthesis and Molecular Docking Study of Dihydropyrimidine Phthalimide Hybrids. **Pharmaceuticals**. **2021**;14(2):144 (Impact factor: 5.86 Q1)
12. Saber, S.; Abd El-Fattah, E.E.; Yahya, G.; Gobba, N.A.; Maghmomeh, A.O.; **Khodir, A.E.**; Mourad, A.A.E.; Saad, A.S., M.; Girgis, S.; El-Ahwany, E.; Khalaf, E.M.; El-Kott, A.F.; El-Baz, A.M. A Novel Combination Therapy Using Rosuvastatin and Lactobacillus Combats Dextran Sodium Sulfate-Induced Colitis in High-Fat Diet-Fed Rats by Targeting the TXNIP/NLRP3 Interaction and Influencing Gut Microbiome Composition. **Pharmaceuticals**, **2021**, 14,341. (Impact factor: 5.86 Q1)
13. Ahmed M. El-Baz, Ahmed Shata, Hanan M. Hassan, Mohamed M.A. El-Sokkary, **Ahmed E. Khodir**, The therapeutic role of lactobacillus and montelukast in combination with metformin in diabetes mellitus complications through modulation of gut microbiota and suppression of oxidative stress, , 96, **2021**, 107757, **International Immunopharmacology** ISSN 1567-5769(Impact factor: 5.71 Q1)
14. Yasser Alkhudairy, Mohamed El-Sherbiny, **Ahmed Khodir**, Nada Eisa, Nada Abo El-Magd, Eman Said, Nehal Elsherbiny, Anti-inflammatory Effect of Betulin in Acetic Acid Induced Ulcerative Colitis: Effect on TLR4/NF-kB **The FASEB journal**, **May 2021** <https://doi.org/10.1096/fasebj.2021.35.S1>.(Abstract from conference)
15. Sameh Saber, Mohamed Nasr, Ahmed S. Saad, Ahmed A.E. Mourad, Naglaa A. Gobba, Ahmed Shata, Abdel-Moneim Hafez, Ramy N. Elsergany, Heba I. Elagamy, Gaber El-Saber Batiha, , Mohamed M.Y. Kaddah, **Ahmed E. Khodir**, Albendazole-loaded cubosomes interrupt the ERK1/2-HIF-1 α -p300/CREB axis in mice intoxicated with diethylnitrosamine: A new paradigm in drug repurposing for the inhibition of hepatocellular carcinoma progression, **Biomedicine & Pharmacotherapy**, 142, **2021**, ISSN 0753-3322 (Impact factor: 7.4 Q1)
16. M. I. Hamed, K. M. Darwish, R. Soltane, A. Chrouda, A. Mostafa, N. M. A. Shama, S. S. Elhady, H. S. Abulkhair, **A. E. Khodir** and A. A. Elmaaty, β -Blockers bearing hydroxyethylamine and hydroxyethylene as potential SARS-CoV-2 Mpro inhibitors: rational based design, in silico, in vitro, and SAR studies for lead optimization. **Rsc Advances** 11, 56. 35536-35558, **2021**
17. El-Sherbiny, M., Eisa, N. H., El-Magd, N. F. A., Elsherbiny, N. M., Said, E., and **Khodir, A. E.** Anti-inflammatory/anti-apoptotic impact of betulin attenuates experimentally induced ulcerative colitis: an insight into TLR4/NF-kB/caspase signalling modulation. **Environmental Toxicology and Pharmacology** 88, 103750(**2021**)

18. Antar, S. A., ElMahdy, M. K., and **Khodir, A. E.** A novel role of pirfenidone in attenuation acetic acid induced ulcerative colitis by modulation of TGF- β 1/JNK1 pathway. **International Immunopharmacology** 101, 10828 (2021) (Impact factor: 5.71 Q1)
19. ElMahdy, M. K., Antar, S. A., Elmahallawy, E. K., Abdo, W., Hijazy, H. H. A., Albrakati, A., and **Khodir, A. E.** A Novel Role of Dapagliflozin in Mitigation of Acetic Acid-Induced Ulcerative Colitis by Modulation of Monocyte Chemoattractant Protein 1 (MCP-1)/Nuclear Factor-Kappa B (NF- κ B)/Interleukin-18 (IL-18). **Biomedicines** 10, 40 (2021)(Impact factor: 5.71 Q1)
20. El-Far, Y. M., **Khodir, A. E.**, Emarah, Z. A., Ebrahim, M. A., and Al-Gayyar, M. M. Chemopreventive and hepatoprotective effects of genistein via inhibition of oxidative stress and the versican/PDGF/PKC signaling pathway in experimentally induced hepatocellular carcinoma in rats by thioacetamide. **Redox Report** 27, 9-20(2022)
21. Zaki, A. A., Al-Karmalawy, A. A., **Khodir, A. E.**, El-Amier, Y. A., and Ashour, A. Isolation of cytotoxic active compounds from Reichardia tingitana with investigation of apoptosis mechanistic induction: In silico, in vitro, and SAR studies. **South African Journal of Botany** 144, 115-123(2022)
22. Antar, S., Al-Karmalawy, A. A., Mourad, A., Mourad, M., Elbadry, M., Saber, S., and **Khodir, A.** Protective effects of mirazid on gentamicin-induced nephrotoxicity in rats through antioxidant, anti-inflammatory, JNK1/iNOS, and apoptotic pathways; novel mechanistic insights. **Pharmaceutical Science** (2022).
23. Saber, S., **Khodir, A. E.**, Maghmomeh, A. O., Nouh, N. A., and El-Baz, A. M. COVID-19 Pandemic: current Challenges and future Perspectives. **Research Journal of Pharmacy and Technology** 15, 329-337 (2022)
24. Gendy, A. M., Elnagar, M. R., Allam, M. M., Mousa, M. R., **Khodir, A. E.**, El-Haddad, A. E., Elnahas, O. S., Fayez, S. M., and El-Mancy, S. S. Berberine-loaded nanostructured lipid carriers mitigate warm hepatic ischemia/reperfusion-induced lesion through modulation of HMGB1/TLR4/NF- κ B signaling and autophagy. **Biomedicine & Pharmacotherapy** 145, 112122 (2022) (Impact factor: 7.4 Q1)
25. El-Sherbiny, M., Eisa, N. H., Said, E. M., **Khodir, A. E.**, Elsherbiny, N., Aloufi, A. M., and Aldobikhi, Y. A. (2022) Diacerein attenuates 1, 2-dimethylhydrazine induced colon cancer progression in rats: Modulation of IL-6/STAT3/lncRNA pathway. **The FASEB journal**, (2022). (Abstract from conference).
26. Saber, S., Nasr, M., Kaddah, M. M., Mostafa-Hedeab, G., Cavalu, S., Mourad, A. A., Gaafar, A. G. A., Zaghlool, S. S., Saleh, S., Hafez, M. M. Gaber El-Saber, Noha A. Amin, Heba I. El agamy, Ahmed Shata, **Khodir, A. E** Nifuroxazide-loaded cubosomes exhibit an advancement in pulmonary delivery and attenuate bleomycin-induced lung fibrosis by regulating the

STAT3 and NF-κB signaling: A new challenge for unmet therapeutic needs. **Biomedicine & Pharmacotherapy** 148, 112731(2022) (Impact factor: 7.4 Q1).

27. Nada H. Eisa, Eman Said, **Ahmed E. Khodir**, Dina Sabry Hasnaa Ali Ebrahim, , Reem Altemani , Dania Mohammed Alnasser , Nehal M. Elsherbiny, Mohamed El-Sherbiny, Effect of Diacerein on HOTAIR/IL-6/STAT3, Wnt/β-Catenin and TLR-4/ NF-κB/TNF-α axes in colon carcinogenesis **Environmental Toxicology and Pharmacology (Q1 pharmacology) 2022**

Conferences & Workshop:

1. Attendance a seminar about application of target learning outcomes in teaching program (تطبيق مخرجات التعلم المستهدفة في البرنامج الدراسي)
2. Attendance a workshop under the title of the program and courses specification design and measurement of Intended Learning Outcomes (فنيات صياغة توصيف البرنامج الدراسي وتوصيف المقررات الدراسية وقياس مخرجات التعلم المستهدفة)
3. Attendance a seminar about how to prepare self-study for academic accreditation (كيفية إعداد الدراسة الذاتية للاعتماد الأكاديمي)
4. Attending an seminar under the title The concept and application of quality in higher education institutions (مفهوم وتطبيق الجودة في مؤسسات التعليم العالي)
5. Attending an seminar under the title Ethics of scientific research (أخلاقيات البحث العلمي)
6. Attending an seminar under the title (معايير اعتماد مؤسسات التعليم العالي)
7. Attendance a workshop under the title of "**Presentation skills**" by RTC "Recruitment & Training Committee" by Dr. Mohamed El Bayady, District manager LEO Pharma.
8. Attendance a seminar about strategic planning as one of Academic Standards in Educational quality in Delta University (التخطيط الإستراتيجي كأحد معايير الأكاديمية)
9. **Organizer** at 2nd international scientific conference at Mansoura university in cooperation with Delta University (April 2019)
10. Attended The 2nd international scientific conference of pharmaceutical sciences at Mansoura university held on the 9th of April 2019
11. Pass Test of English as a Foreign Language , Internet-based Test (TOEFL iBT)
12. Attendance & active participated by **2 posters in 1st Pharmacy student scientific conference in faculty of Pharmacy – Delta University as supervisor**
13. English conversation level 3 (36 hr)
14. Academic guidance course (ARS) from Faculty of Pharmacy – Delta University.
15. Workshop about Electronic Registration System in Delta University.
16. Attended the workshop titled separation and flash chromatography solutions
17. Course General English Level 12 (grade: Excellent)
18. ICDL," International Computer Driving License":

19. Attending a training course under the title **(Scientific Search Engines and the Knowledge Bank)** Training course from the Faculty and leadership Development projects **(FLDP)** - University Development Center **(UDC)** **on 6-1-2020** (محركات البحث العلمي وبنك المعرفة)
20. Attending a training course under the title **(Application of Quality in scientific departments)** Training course from the Faculty and leadership Development projects **(FLDP)** – University Development Center **(UDC)** at **Mansoura University on 7-2020** (تطبيق الجودة بالأقسام العلمية)
21. Attending **The Pharmacists in frontlines (New Challenges and innovative solutions)** The international conference of the faculty of pharmacy, MSA university **December 2020**
22. Attending The Annual meeting of JSPS Alumni Association Egypt and The 2nd international JSPS Webinars **(Preparedness for the next COVID-19 wave Multidisciplinary impacts Health , Education and Enviroment)** February 2021
23. Attending a training course under the title **(الجوانب المالية والقانونية في الأعمال الجامعية)** Training course from the Faculty and leadership Development projects **(FLDP)** – University Development Center **(UDC)** at **Mansoura University on 6-2022**
24. Attending a training course under the title **(التخطيط الإستراتيجي)** Training course from the Faculty and leadership Development projects **(FLDP)** – University Development Center **(UDC)** at **Mansoura University on 19-7-2022**
25. Attended The international scientific conference of faculty of pharmacy , Tanta university at **Grand Nile Tower (New Avenues in health care: Pharmacy and Egypt vision 2030)** held on the **5&6 March 2022**

Teaching Courses as Lecturer

1. Pharmacology
2. Physiology
3. Pathophysiology
4. Biostatistics
5. Medical terminology
6. Drug abuse
7. Pharmacology - faculty of oral and dental medicine, Horus and delta university
8. Pharmacology-1 - faculty of physical therapy
9. Pharmacology-2 - faculty of physical therapy
10. Participation in many <u>oral and practical examinations</u> in Pharmacology Department.
11. Supervising on many student graduation projects.

Teaching Experience as teaching assistant (Laboratory)

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| 1. Pharmacology-1 practical - faculty of pharmacy |
| 2. Pharmacology-2 practical - faculty of pharmacy |
| 3. Pharmacology (clinical case) - faculty of oral and dental medicine |


Committees

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| 1. Member in Quality Assurance Unit, Faculty of Pharmacy |
| 2. Member of the Committee for Community Service, Environment Development and Educational Quality |
| 3. Member in Academic Standards and Educational Programs Committee that participated in preparing Self-study and the strategic plan of Faculty of Pharmacy- Delta University
(معيار إدارة الجودة والتطوير ومعيار المعايير الأكاديمية والبرامج التعليمية). |
| 4. Member in Community Service and Quality of Education Committee of Faculty of Pharmacy- Delta University. |
| 5. Member in Occupational Safety and Health Committee |
| 6. Member in Board of Directors of the Scientific Society |
| 7. Member in Books examination Committee |
| 8. Member in Graduate Studies Committee of Faculty of Pharmacy- Delta University. |
| 9. Member in Board of Faculty of Pharmacy, Delta University for the academic year 2016-2017 (represented for teaching assistants) |

Skills and Proficiency

1. SPSS	2. Graph pad prism
3. Endnote	4. Word, PowerPoint and Excel

Scientific IDs:

		https://scholar.google.com/citations?user=5gQKbLUAAAAJ&hl=en&oi=ao			
H-index	15	Total Citations	555	Number of articles	27
i10-index	20				(17 Q1+8Q2+1Q3+1Q4)