

## PROF. DR. ASAAD KHALID MOHAMEDALI HIGHLIGHTS



**Asaad Khalid**

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Fellow of the Sudan National  
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### EDUCATION:

**Ph.D. in Chemistry** (Biochemistry) (April, 2003), H.E.J. Research Institute of Chemistry, International Center for Chemical Sciences, University of Karachi, Karachi, Pakistan.

**Thesis Title:** Biochemical Studies on New Natural Inhibitors of Cholinesterases.

**Ph.D. Supervisor:** Prof. Dr. M. Iqbal Choudhary

**PhD Examiners:** (a) Prof. Luis Moroder (Max Planck Institute of Biochemistry, Germany),  
(b) Prof. C.W. Wharton (University of Birmingham, UK)

**M.Sc. in Biochemistry** (1997), University of Karachi, Karachi, Pakistan.

**B.Sc. (Hons.) in Biochemistry**, Chemistry and Physiology (1996), University of Karachi, Karachi, Pakistan.

### EXPERIENCE:

**Professor** (Nov, 2013- present), Health Research Center, Jazan University, P.O. Box: 114, Jazan, Saudi Arabia.

**Research Professor** (July, 2011- Nov. 24, 2013) Medicinal and Aromatic Plants and Tropical Medicine Research Institute, National Center for Research, P.O. Box: 2404, Khartoum, Sudan.

**Professor** (July, 2013- Oct. 2013) Faculty of Medicine, National University for Medical and Technical Studies, Khartoum, Sudan.

**Member of the Senate** (Aug., 2013- Nov, 2013), Sudan Academy of Sciences, Khartoum, Sudan

**Associate Professor** (Dec., 2006- June, 2011) Medicinal and Aromatic Plants Research Institute, National Center for Research, P.O. Box: 2404, Khartoum, Sudan.

**Head, Medical Biochemistry Research Unit** (Jan., 2007- Nov, 2013), Medicinal and Aromatic Plants Research Institute, National Center for Research, P.O. Box: 2404, Khartoum, Sudan.

**Visiting Professor** (Oct., 2007- June, 2013), Faculty of Pharmacy, University of Science & Technology, Omdurman, Sudan.

**Visiting Professor** (Jan., 2010- Nov., 2013), Department of Chemistry, Faculty of Science, University of Khartoum, Sudan.

**Visiting Professor** (April., 2010- June, 2013), Faculty of Pharmacy, National University for Medical and Technical Studies, Khartoum, Sudan.

**Senior Research Associate** (Jan., 2004- Aug., 2006), Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical Sciences, University of Karachi, Karachi-75270, Pakistan.

### ACHIEVEMENTS:

Prof. Asaad is an active researcher who has mentored 16 Ph.D. students and 10 M.Sc. students. He is currently in charge of a research group focused on drug discovery. His research on anti-malarial drug discovery was named one of Africa's bright ideas by the WHO in 2009.

Prof. Asaad is the winner of the **AU-TWAS Young Scientists National Award 2011** (awarded by The African Union and The Academy of Science for the Developing World, TWAS) and the Pakistan Academy of Medical Sciences (**PAMS) Junior Gold Medal Award-2005** for the best biomedical research conducted in Pakistan during 2004 and 2005 and the Distinguished Achievement Award 2005-2006.

**He has published over 240 research publications in leading international journals (WoS h-index =26).** Prof. Asaad has delivered more than **50** invited lectures at scientific meetings. Prof. Asaad has taught several courses to undergraduate and postgraduate pharmacy and science students in several Sudanese universities for over five years. He has organized/instructed several international and national workshops/training courses. He conducted research projects funded by many national and international agencies, including the European Union.

### RESEARCH INTERESTS:

The research of Prof. Asaad focuses on drug discovery from medicinal plants. His target/cell-based research targets several tropical and neglected diseases, including malaria, diabetes, tuberculosis, leishmaniasis, and trypanosomiasis. Prof. Asaad's target-based drug discovery research utilizes enzyme inhibition methods to discover drug candidates that target particular enzyme-related disease mechanisms. On the other hand, He also utilizes bioinformatics tools such as molecular docking and molecular dynamic simulation to understand molecular recognition patterns in ligand-receptor complexes. Prof. Asaad's collaboration includes many distinguished scientists from USA, Germany, Finland, Sweden, Oman, Morocco, Pakistan and India.

# LIST OF PUBLICATIONS

## Web of Science metrics

196 Publications

H-Index = 26

Author Position ⓘ

First 5%  
Last 13%  
Corresponding 24%

## Scopus metrics

173 Documents

h-index = 27

## PEER-REVIEWED ISI RESEARCH PUBLICATIONS

S. No.	Publication	IF/Rank
<b>2024</b>		
1.	Subtractive genomics integrated with deep learning, molecular docking, and MD simulation decipher therapeutic drug targets and their potential inhibitors against <i>Nocardia farcinica</i> strain IFM 10152.; Almufarriji, F.M., Ajmal, A., Alotaibi, B.S. et al.; Chem. Pap. (2024). (Corresponding author) [DOI: 10.1007/s11696-024-03755-1]	2.1 Q3
2.	A Paradigm Shift in the Detection of Bloodborne Pathogens: Conventional Approaches to Recent Detection Techniques. Khanal S, Pillai M, Biswas D, Islam MT, Verma R, Kuca K, et al.; Excli Journal. 2024;23:1245-75. (Corresponding author) [DOI: 10.17179/excli2024-7392]	3.8 Q1
3.	<i>Acacia ehrenbergiana</i> (Hayne) and <i>Prosopis juliflora</i> Extracts Promote the Survival of <i>Caenorhabditis elegans</i> Infected with Methicillin-Resistant <i>Staphylococcus aureus</i> . Zarroug SHO, Nammor T, Eisa S, Hamoor R, Ibrahim L, Shata Y, et al.; Natural Product Communications. 2024;19(8):9. [DOI: 10.1177/1934578x241279065]	1.5 Q4
4.	Bioactive compounds from nature: Antioxidants targeting cellular transformation in response to epigenetic perturbations induced by oxidative stress. Bouyahya A, Bakrim S, Aboulaghras S, El Kadri K, Aanniz T, <b>Khalid A</b> , et al.; Biomedicine & Pharmacotherapy. 2024;174:26. [DOI: 10.1016/j.biopha.2024.116432]	6.9 Q1 Top 10%
5.	Bioactive substances of cyanobacteria and microalgae: Sources, metabolism, and anticancer mechanism insights. Bouyahya A, Bakrim S, Chamkhi I, Taha D, El Omari N, El Mneyiy N, et al.; Biomedicine & Pharmacotherapy. 2024;170:24. [DOI: 10.1016/j.biopha.2023.115989]	6.9 Q1 Top 10%
6.	Bioassay Guided Isolation and $\alpha$ -Glucosidase Inhibition Studies of a New Sesquiterpene from <i>Ochradenus aucheri</i> . Al Rabani HKM, Khan A, Rizvi TS, Ali L, Hussain J, Mabood F, et al.; Current Topics in Medicinal Chemistry. 2024:7. [DOI: 10.2174/0115680266318007240924174634]	2.9 Q3
7.	Bioinorganic metal nanoparticles and their potential applications as antimicrobial, antioxidant and catalytic agents: a review. Naseem K, Aziz A, Khan ME, Ali S, <b>Khalid A</b> . Reviews in Inorganic Chemistry. 2024:30. [DOI: 10.1515/revic-2023-0040]	4.1 Q1
8.	Biomedical and agricultural applications of gold nanoparticles (AuNPs): a comprehensive review. Khan S, Khan RS, <b>Khalid A</b> , Gul M, Brekhna, Wadood A, et al.; Zeitschrift Fur Physikalische Chemie-International Journal of Research in Physical Chemistry & Chemical Physics. 2024;238(8):1383-412. [DOI: 10.1515/zpch-2023-0539]	3 Q3
9.	Bridging autoimmunity and epigenetics: The influence of lncRNA MALAT1. Mohan S, Hakami MA, Dailah HG, <b>Khalid A</b> , Najmi A, Zoghebi K, et al.; Pathology Research and Practice. 2024;254:11. [DOI: 10.1016/j.prp.2023.155041]	2.9 Q2

10.	Burden of disease scenarios for 204 countries and territories, 2022-2050: a forecasting analysis for the Global Burden of Disease Study 2021; GBD 2021 Forecasting Collaborators; Lancet. 2024 May 18;403(10440):2204-2256. DOI: 10.1016/S0140-6736(24)00685-8.	98.4 Q1 Top 1%
11.	Chemistry, Biological Activities, and Pharmacological Properties of Gastrodin: Mechanism Insights. El Meniy N, Elouafy Y, Moubachir R, Abdnim R, Benali T, Taha D, et al.; Chemistry & Biodiversity. 2024;21(6):16. [DOI: 10.1002/cbdv.202400402]	2.3 Q3
12.	Clinical applications and mechanism insights of natural flavonoids against type 2 diabetes mellitus. Bouyahya A, Balahbib A, <b>Khalid A</b> , Makeen HA, Alhazmi HA, Albratty M, et al.; Heliyon. 2024;10(9):40. [DOI: 10.1016/j.heliyon.2024.e29718]	3.4 Q1
13.	Comparative analysis of dye degradation methods: unveiling the most effective and environmentally sustainable approaches, a critical review. Nisa FU, Naseem K, Aziz A, Hassan W, Fatima N, Najeeb J, et al.; Reviews in Inorganic Chemistry. 2024:32. [DOI: 10.1515/revic-2024-0042]	4.1 Q1
14.	Comparison of Epsilometer Test and Disc Diffusion Methods for Antibiotic Susceptibility Testing of Pseudomonas Aeruginosa; HE Homeida, A Khalid, NMH Elamin, OY Dawod; Nanotechnology Perceptions, 755–761-755–761 DOI : 10.62441/nano-ntp.v20iS3.56	SCOPUS
15.	Computational insights into KRAS G12C inhibition: exploring possible repurposing of Azacitidine and Ribavirin. Sharma V, Kumar A, Rawat R, Gulati M, Behl T, <b>Khalid A</b> , et al.; Journal of Biomolecular Structure & Dynamics. 2024:11. [DOI: 10.1080/07391102.2024.2321237]	2.7 Q2
16.	Cytotoxic activity, selectivity, and clonogenicity of fruits and resins of Saudi medicinal plants against human liver adenocarcinoma. Alghamdi AH, Ahmed AAE, Bashir M, Abdalgadir H, <b>Khalid A</b> , Abdallah ME, et al.; Drug Target Insights. 2024;18:84-93. [DOI: 10.33393/dti.2024.3169]	2 Q3
17.	Discovery of Novel Natural Inhibitors Against SARS-CoV-2 Main Protease: A Rational Approach to Antiviral Therapeutics. Waqas M, Ullah S, Halim SA, Ullah I, Rehman NU, Jan AF, et al.; Current Medicinal Chemistry. 2024:23. [DOI: 10.2174/0109298673292839240329081008]	3.5 Q2
18.	Disrupting protease and deubiquitinase activities of SARS-CoV-2 papain-like protease by natural and synthetic products discovered through multiple computational and biochemical approaches. Waqas M, Ullah S, Ullah A, Halim SA, Rehman NU, <b>Khalid A</b> , et al.; International Journal of Biological Macromolecules. 2024;277:20. [DOI: 10.1016/j.ijbiomac.2024.134476]	7.7 Q1 Top 10%
19.	Effect of smokeless tobacco on color stability and surface roughness of CAD/CAM milled, 3D printed, and conventional provisional crown and fixed dental prosthesis materials: An <i>in vitro</i> study. Sayed ME, Jain S, Jokhadar HF, Alshahrani AA, AlResayes SS, Alqahtani SM, et al.; Technology and Health Care. 2024;32(3):1697-711. [DOI: 10.3233/thc-230723]	1.4 Q3
20.	Efficient microwave synthesis of flurbiprofen derivatives and their enhancement of efficacy in chronic inflammatory pain models and gastro-protective potential in post-operative model. Shah NZ, Khan A, Halim SA, Avula SK, Ul Islam N, Khan I, et al.; Journal of Biomolecular Structure & Dynamics. 2024:16. [DOI: 10.1080/07391102.2024.2309645]	2.7 Q2
21.	Enhancement efficacy of omeprazole by conjugation with silver nanoparticles as a urease inhibitor. Zia A, Shahzad A, Riaz N, Khan S, Farooq U, Bukhari SM, et al.; Green Processing and Synthesis. 2024;13(1):13. [DOI: 10.1515/gps-2023-0229]	3.8 Q2
22.	Evaluation of chalcones as new glycogen phosphorylase inhibitors - an <i>in-vitro</i> and <i>in-silico</i> approach. Awad TA, Alfatih F, Shafiq M, Abdalla M, Al-Shouli ST, Bashir A, et al.; Natural Product Research. 2024:8. [DOI: 10.1080/14786419.2024.2324110]	1.9 Q3

23.	Examining the potential of peppermint essential oil-infused pectin and kappa-carrageenan composite films for sustainable food packaging. Bhatia S, Alhadhrami AS, Shah YA, Esatbeyoglu T, Koca E, Aydemir LY, et al.; Heliyon. 2024;10(17):10. [DOI: 10.1016/j.heliyon.2024.e36895]	3.4 Q1
24.	Exploring the Anticancer Potential of Astragalin in Triple Negative Breast Cancer Cells by Attenuating Glycolytic Pathway through AMPK/mTOR. Zeb A, Khan W, Islam WU, Khan F, Khan A, Khan H, et al.; Current Medicinal Chemistry. 2024;14. [DOI: 10.2174/0109298673304759240722064518]	35 Q2
25.	Exploring the chemistry, biological effects, and mechanism insights of natural coumaroyltyramine: First report. Bakrim S, Elouafy Y, Touhtouh J, Aanniz T, El Kadri K, <b>Khalid A</b> , et al.; Fitoterapia. 2024;178:17. [DOI: 10.1016/j.fitote.2024.106182]	2.5 Q3
26.	From inflammation to metastasis: The central role of miR-155 in modulating NF-κB in cancer. Mohan S, Hakami MA, Dailah HG, <b>Khalid A</b> , Najmi A, Zoghebi K, et al.; Pathology Research and Practice. 2024;253:10. [DOI: 10.1016/j.prp.2023.154962]	2.9 Q2
27.	GC-MS Profiling and Therapeutic Potentials of <i>Prosopis juliflora</i> (Sw.) DC: Cytotoxic and Antimicrobial Insights. <b>Khalid A</b> , Abdalgadir EA, Gadir IKA, Abdalla AN, Homeida HE, Sultana S, et al.; Journal of Spectroscopy. 2024;2024:10. [DOI: 10.1155/2024/1121745]	1.7 Q3
28.	Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021; GBD 2021 Diseases and Injuries; Collaborators. Lancet. 2024 May 18;403(10440):2133-2161. DOI: 10.1016/S0140-6736(24)00757-8.	98.4 Q1 Top 1%
29.	Health benefits, pharmacological properties, and metabolism of cannabinoil: A comprehensive review. Khouchlaa A, Khouri S, Hajib A, Zeouk I, Amalich S, Msairi S, et al.; Industrial Crops and Products. 2024;213:15. [DOI: 10.1016/j.indcrop.2024.118359]	5.6 Q1 Top 10%
30.	Herbal remedies in the management of hyperuricemia and gout: A review of in vitro, in vivo and clinical evidences. Mahomoodally MF, Coodian K, Hosenally M, Zengin G, Shariati MA, Abdalla AN, et al.; Phytotherapy Research. 2024;38(7):3370-400. [DOI: 10.1002/ptr.8211]	6.1 Q1 Top 10%
31.	Identification of IL-2 inducible tyrosine kinase inhibitors by quantum mechanics and ligand based virtual screening approaches. Khan A, Zia K, Khan SA, <b>Khalid A</b> , Abdalla AN, Bibi M, et al.; Journal of Biomolecular Structure & Dynamics. 2024;42(7):3630-40. [DOI: 10.1080/07391102.2023.2214220]	2.7 Q2
32.	Identification of new potent NLRP3 inhibitors by multi-level in-silico approaches. Hayat C, Subramaniyan V, Alamri MA, Wong LS, <b>Khalid A</b> , Abdalla AN, et al.; BMC Chemistry. 2024;18(1):18. [DOI: 10.1186/s13065-024-01178-3]	4.3 Q2
33.	Identification of Novel Antileishmanial Chemotypes By High-Throughput Virtual and <i>In Vitro</i> Screening. Khan H, Hakami MA, Alamri MA, Alotaibi BS, Ullah N, Khan R, et al.; Acta Parasitologica. 2024;69(3):1439-57. [DOI: 10.1007/s11686-024-00899-8]	1.2 Q2
34.	Identification of novel NLRP3 inhibitors as therapeutic options for epilepsy by machine learning-based virtual screening, molecular docking and biomolecular simulation studies. Zulfat M, Hakami MA, Hazazi A, Mahmood A, <b>Khalid A</b> , Alqurashi RS, et al.; Heliyon. 2024;10(15):14. [DOI: 10.1016/j.heliyon.2024.e34410]	3.4 Q1
35.	Initial report on the multiple biological and pharmacological properties of hispolon: Exploring stochastic mechanisms; T Aanniz, I Zeouk, Y Elouafy, J Touhtouh, R Hassani, K Hammani, ; Biomedicine & Pharmacotherapy 177, 117072 DOI: 10.1016/j.biopha.2024.117072.	6.9 Q1 Top 10%

36.	Innovative Encapsulation Strategies for Food, Industrial, and Pharmaceutical Applications. Aanniz T, El Omari N, Elouafy Y, Benali T, Zengin G, <b>Khalid A</b> , et al.; Chemistry & Biodiversity. 2024;21(5):28. [DOI: 10.1002/cbdv.202400116]	2.3 Q3
37.	In-vitro Cytotoxicity Investigations for Phytoconstituents of Saudi Medicinal Plants With Putative Ocular Effects. Alghamdi AH, Ahmed AAE, Abdalgadir H, Bashir M, <b>Khalid A</b> , Abdalla AN, et al.; Integrative Cancer Therapies. 2024;23:12. [DOI: 10.1177/15347354241256649]	2.9 Q2
38.	Molecular Chaperones as Therapeutic Target: Hallmark of Neurodegenerative Disorders.; Sharma A, Shah OP, Sharma L, Gulati M, Behl T, Khalid A, Mohan S, Najmi A, Zoghebi K. Molecular Neurobiology 61 (7), 4750-4767 DOI: 10.1007/s12035-023-03846-2	4.6 Q1
39.	Muscle relaxant and antipyretic effects of pentacyclic triterpenes isolated from the roots of Diospyros lotus L. Khan A, Kashtoh H, Rauf A, Halim SA, Aleem AA, Bahadar H, et al.; Heliyon. 2024;10(9):12. [DOI: 10.1016/j.heliyon.2024.e30547]	3.4 Q1
40.	Natural bioactive compounds targeting DNA methyltransferase enzymes in cancer: Mechanisms insights and efficiencies. Aanniz T, Bouyahya A, Balahbib A, El Kadri K, <b>Khalid A</b> , Makeen HA, et al.; Chemico-Biological Interactions. 2024;392:22. [DOI: 10.1016/j.cbi.2024.110907]	4.7 Q1
41.	Natural sources and pharmacological properties of santalenes and santalols. El Hachlafi N, Benkhaira N, Mssillou I, Touhtouh J, Aanniz T, Chamkhi I, et al.; Industrial Crops and Products. 2024;214:16. [DOI: 10.1016/j.indcrop.2024.118567]	5.6 Q1 Top 10%
42.	NMR metabolic profiling and biological activities of different extracts from a Turkish herbal tea- <i>Clinopodium nepeta</i> subsp. <i>glandulosum</i> . Guzzo F, Raucci C, Zengin G, Emre G, <b>Khalid A</b> , Mahomoodally MF, et al.; Biochemical Systematics and Ecology. 2024;117:9. [DOI: 10.1016/j.bse.2024.104908]	1.4 Q3
43.	Novel efficacy of pregnane and flavonoid glycosides from <i>Desmidorchis flava</i> in in vivo nociceptive and inflammatory paradigms and their target prediction by cheminformatics approach. Khan A, Kashtoh H, Rehman NU, Shahid M, Ullah I, <b>Khalid A</b> , et al.; Natural Product Research. 2024:9. [DOI: 10.1080/14786419.2024.2407508]	1.9 Q3
44.	Novel Natural Inhibitors for Glioblastoma by Targeting Epidermal Growth Factor Receptor and Phosphoinositide 3-kinase. Ullah A, Ullah S, Waqas M, Khan M, Rehman NU, <b>Khalid A</b> , et al.; Current Medicinal Chemistry. 2024;31(40):6596-613. [DOI: 10.2174/0109298673293279240404080046]	3.5 Q2
45.	Nutritional, medicinal and functional properties of different parts of the date palm and its fruit ( <i>Phoenix dactylifera</i> L.) - A systematic review. Mahomoodally MF, Khadaroo SK, Hosenally M, Zengin G, Rebezov M, Shariati MA, et al.; Crit Rev Food Sci Nutr. 2024;64(22):7748-803. [DOI: 10.1080/10408398.2023.2191285]	7.3 Q1 Top 10%
46.	Optimizing the fluoride removal from drinking water through adsorption with mesoporous magnetic calcite nanocomposites. Sarwar A, Wang J, Riaz N, Khan MS, Zeb BS, Khan IA, et al.; Results in Engineering. 2024;22:13. [DOI: 10.1016/j.rineng.2024.102100]	6 Q1 Top 10%
47.	Pharmacological and Therapeutic Potential of Berbamine: A Potent Alkaloid from Genus Berberis.; G Muhammad, MA Hussain, Z Shafiq, A Ashraf, U Shafique, A Khan, ; Current Topics in Medicinal Chemistry; 2024 Apr 29. DOI: 10.2174/0115680266289292240420062705.	2.9 Q3
48.	Photocatalytic mineralization of diisopropanolamine (DIPA) from natural gas industry wastewater under visible light irradiation: Response surface optimization of synthesis parameters. Riaz N, Khan MS, Ullah S, Ali A, Bustam MA, <b>Khalid A</b> , et al.; Results in Engineering. 2024;21:11. [DOI: 10.1016/j.rineng.2024.101912]	6 Q1 Top 10%

49.	Phytoconstituents with cardioprotective properties: A pharmacological overview on their efficacy against myocardial infarction. Ullah A, Mostafa NM, Halim SA, Elhawary EA, Ali A, Bhatti R, et al.; <i>Phytotherapy Research</i> . 2024;38(9):4467-501. [DOI: 10.1002/ptr.8292]	6.1 Q1 Top 10%
50.	Plant chitinases: Types, structural classification, antifungal potential and transgenic expression in plants for enhanced disease resistance. Khan RS, Iqbal A, Bibi A, Khalil I, Ul Islam Z, Jan FR, et al.; <i>Plant Cell Tissue and Organ Culture</i> . 2024;156(3):22. [DOI: 10.1007/s11240-024-02696-7]	2.3 Q2
51.	Polymorphism of HLA and Susceptibility of Breast Cancer. Aboulaghras S, <b>Khalid A</b> , Makeen HA, Alhazmi HA, Albratty M, Mohan S, et al.; <i>Frontiers in Bioscience-Landmark</i> . 2024;29(2):12. [DOI: 10.31083/j.fbl2902055]	3.3 Q2
52.	Precision arrows: Navigating breast cancer with nanotechnology siRNA. Jayaswal N, Srivastava S, Kumar S, Sridhar SB, <b>Khalid A</b> , Najmi A, et al.; <i>International Journal of Pharmaceutics</i> . 2024;662:20. [DOI: 10.1016/j.ijpharm.2024.124403]	5.3 Q1 Top 10%
53.	Preparation and characterization of gelatin-pectin-based active films incorporated with <i>Styrax benzoin</i> oleo gum resin. Bhatia S, Jawad M, Chinnam S, Al-Harrasi A, Shah YA, Koca E, et al.; <i>Polymers for Advanced Technologies</i> . 2024;35(8):12. [DOI: 10.1002/pat.6539]	3.1 Q2
54.	Preparation and characterization of sulphur and zinc oxide Co-doped graphitic carbon nitride for photo-assisted removal of Safranin-O dye. Khan AA, Khan A, Khan S, Shah N, Khan A, Nawaz F, et al.; <i>Rsc Advances</i> . 2024;14(13):8871-84. [DOI: 10.1039/d3ra07247a]	3.9 Q2
55.	Prospective virtual screening combined with bio-molecular simulation enabled identification of new inhibitors for the KRAS drug target. Ajmal A, Alkhatabi HA, Alreemi RM, Alamri MA, <b>Khalid A</b> , Abdalla AN, et al.; <i>BMC Chemistry</i> . 2024;18(1):14. [DOI: 10.1186/s13065-024-01152-z]	4.3 Q2
56.	Protective and stochastic correlation between infectious diseases and autoimmune disorders. Aboulaghras S, Bouyahya A, El Kadri K, <b>Khalid A</b> , Abdalla AN, Hassani R, et al.; <i>Microbial Pathogenesis</i> . 2024;196:16. [DOI: 10.1016/j.micpath.2024.106919]	3.3 Q2
57.	Recent advances and molecular mechanisms of TGF- $\beta$ signaling in colorectal cancer, with focus on bioactive compounds targeting. Bakrim S, El Hachlafi N, <b>Khalid A</b> , Abdalla AN, El Omari N, Aboulaghras S, et al.; <i>Biomedicine &amp; Pharmacotherapy</i> . 2024;177:13. [DOI: 10.1016/j.biopha.2024.116886]	6.9 Q1 Top 10%
58.	Recent advances in the use of essential oils and their nanoformulations for wound treatment; I Mssillou, FEZ Amrati, H Saghrouchni, Y El Abdali, Y Lefrioui, GES Batiha, ; <i>Burns</i> , 2024, DOI: 10.1016/j.burns.2024.08.026.	3.2 Q2
59.	Salsoline derivatives, genistein, semisynthetic derivative of kojic acid, and naringenin as inhibitors of A42R profilin-like protein of monkeypox virus: in silico studies. Chebaibi M, Bourhia M, Amrati FEZ, Slighoua M, Mssillou I, Aboul-Soud MAM, et al.; <i>Frontiers in Chemistry</i> . 2024;12:15. [DOI: 10.3389/fchem.2024.1445606]	3.8 Q2
60.	Stochasticity of anticancer mechanisms underlying clinical effectiveness of vorinostat. El Omari N, <b>Khalid A</b> , Makeen HA, Alhazmi HA, Albratty M, Mohan S, et al.; <i>Heliyon</i> . 2024;10(12):25. [DOI: 10.1016/j.heliyon.2024.e33052]	3.4 Q1
61.	Structural, dynamic behaviour, in-vitro and computational investigations of Schiff's bases of 1,3-diphenyl urea derivatives against SARS-CoV-2 spike protein. Ullah S, Ullah A, Waqas M, Halim SA, Pasha AR, Shafiq Z, et al.; <i>Scientific Reports</i> . 2024;14(1):15. [DOI: 10.1038/s41598-024-63345-9]	3.8 Q1

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