FACULTY FULL NAME: Muhammad Taha

POSITION: Associate Professor

Personal Data

Nationality | Pakistan

Date of Birth | March 23, 1978

Department |Clinical Pharmacy

Official UoD Email | mtaha@iau.edu.sa

Office Phone No. | 30910

Language Proficiency

Language	Read	Write	Speak
Arabic	Good	no	no
English	Good	Good	Good
Others Urdu	Good	Good	Good

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
April 2011	Ph.D.	Pakistan	University of Karachi
September 2004	Msc.	Pakistan	University of Sindh
September 2003	Bsc	Pakistan	University of Sindh

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	4 GPA out of 4
Master	First class first position (Gold Medal)
BSc	First class first position (Gold Medal)
Fellowship	Postdoc fellow 2011 sept to Dec 2013 Uitm Malaysia
Research fellow	ICCBS university of Karachi 2008 to 2011

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Associate professor	IRMC, Imam Abdulrahman Bin Faisal University	2021 September
Assistant Professor	IRMC, Imam Abdulrahman Bin Faisal University	2017 June
Senior lecturer	Atta-ur-Rahman Institute for Natural Product Discovery, Universiti Teknologi MARA (UiTM), Puncak Alam Campus, 42300 Bandar Puncak Alam, Selangor D. E. Malaysia	2013 December
Postdoc fellow	Atta-ur-Rahman Institute for Natural Product Discovery, Universiti Teknologi MARA (UiTM), Puncak Alam Campus, 42300 Bandar Puncak Alam, Selangor D. E. Malaysia	2011 September
Research fellow	ICCBS university of Karachi	2008 April

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Haseena Naz, Mohamed S Othman, Fazal Rahim, Rafaqat Hussain, Shoaib Khan, Muhammad Taha, Mohamed M Hafez, Lina JM Abdel-Hafez, Hayat Ullah, Ihsan Ullah Khan, Yousaf Khan, Syed Adnan Ali Shah	Investigation of novel benzimidazole-based indole/thiazole hybrids derivatives as effective anti-diabetics and anti-alzheimer's agents: Structure-activity relationship insight	Journal of Molecular Structure 2024
2	Design, synthesis, in vitro bio-evaluation and in silico molecular docking study of benzohydrazide based thiourea analogues	Ghadah Aleid, Muhammad Imran, Hayat Ullah, Muhammad Taha, Javed Khan, Fazal Rahim, Amjad Hussain, Anoud Al-Shammari, Sumayyah Al-Marshedy, Wael Ahmed, Rashid Iqbal, Reda Abdel-Hameed	Results in Chemistry 2024
3	Najat Masood, Rafaqat Hussain, Shoaib Khan, Fazal Rahim, Sundas Mumtaz, Muhammad Taha, Obaid Ur Rahman Abid, Tayyiaba Iqbal, Syed Adnan Ali Shah, Esam Omar Al Wesabi, Seami M Magam	Synthesis, *In Vitro* Enzymatic Inhibition, and Molecular Modeling of Novel Piperazine-Based *Bis*-Schiff Base Derivatives as Promising Anti-urease Agents	ChemistrySelect 2024
4	Mohamed S Othman, Haseena Naz, Fazal Rahim, Hayat Ullah, Rafaqat Hussain, Muhammad Taha, Shoaib Khan, Mohamed A Fareid, Shimaa M Aboelnaga, Anas T Altaleb, Rashid Iqbal, Syed Adnan Ali Shah	New Cholinesterase inhibitors based on 1, 2, 4-triazole bearing benzenesulfonohydrazide skeleton: Synthesis, in vitro and in silico studies	Results in Chemistry 2024
5	Mohamed s Othman, Shawkat Hayat, Fazal Rahim, Muhammad Taha,	New benzimidazole based Schiff bases as potent anti-alzheimer agents:	Journal of Molecular Structure

	Muhammad Sajid, Shoaib Khan, Wajeeha Iqbal, Syed Adnan Ali Shah, Mohamed A Fareid, Shimaa M Aboelnaga, Lina JM Abdel-Hafez, Mohamed M Hafez	Synthesis, bio-evaluation and molecular docking study	2024
6	Shahzad Ahmad Abbasi, Fazal Rahim, Rafaqat Hussain, Wajid Rehman, Shoaib Khan, Muhammad Taha, Tayyiaba Iqbal, Yousaf Khan, Syed Adnan Ali Shah	Synthesis of modified Schiff base appended 1,2,4-triazole hybrids scaffolds: elucidating the *in vitro* and *in silico* α-amylase and α-glucosidase inhibitors potential	Zeitschrift für Naturforschung C 2024
7	Abdullah Yahya Abdullah Alzahrani, Hayat Ullah, Fazal Rahim, Fahad Khan, Abdul Wadood, Muhammad Taha, Amal Al-Bagawi, Mohamed Fareid, Mohamed S Othman	Synthesis, in vitro biological evaluation and in silico molecular docking study of hydroxy-quinoline based sulfonohydrazide derivatives as potential acetylcholinesterase	Journal of Molecular Structure 2024
8	Maryam Ali Al-Abdulbaqi, Muhammad Taha, Fazal Rahim, Imad Uddin, Nizam Uddin, Abdul Wadood, Sana Haq, Naveed Iqbal, Khalid Mohammed Khan, Muhammad Ali	Exploring diabetics II inhibitors based on benzodioxin derivatives, structure activity relationship, molecular docking and ADME property study	Journal of Molecular Structure 2024
9	Ahmad Zulfiqar, Irshad Ullah Khan, Muhammad Nabi, Hayat Ullah, Naveed Iqbal, Benish Zeb, Amjad Hussain, Daud Khan, Abdur Rab, Sayyed Muhammad Junaid, Muhammad Taha, Syed Adnan Ali Shah, Fazal Rahim	Synthesis and Biological Evaluation of Substituted Benzohydrazide Schiff Base Adduct as Potential Cholinesterase Inhibitors	Chemical Data Collections 2024
10	Maaz Khan, Nida Ambreen, Faiza Saleem, Muhammad Arif Lodhi, Faheem Jan, Masroor Kamal, Uzma Salar, Muhammad Taha, Khalid Mohammed Khan	Nicotinonitriles as potential inhibitors of α-glucosidase, tyrosinase, and urease enzymes: Synthesis, characterization, in vitro, and in silico studies	Journal of Molecular Structure 2024
11	Hayat Ullah, Fazal Rahim, Imad Uddin, Muhammad Taha, Misbah Ullah Khan, Fahad Khan, Shoaib Khan, Rafaqat Hussain, Amjad Hussain, Naveed Iqbal, Farzana Gul	Cholinesterase inhibitors for the treatment of Alzheimer's disease: Synthesis, biological analysis and molecular docking study of sulphur containing heterocyclic analogues	Chemical Data Collections 2024
12	Muhammad Taha, Fazal Rahim, Imad Uddin, Mohd Amir, Naveed Iqbal, Abdul Wadood, Khalid Mohammed Khan, Nizam Uddin, Ashfaq Ur Rehman, Rai Khalid Farooq	Discovering phenoxy acetohydrazide derivatives as urease inhibitors and molecular docking studies	Journal of Biomolecular Structure and Dynamics 2024
13	Mehwish Manzoor, Mehwish Solangi, Shahnaz Perveen, Uzma Salar, Fouzia Naz, Jamshed Iqbal, Zahid Hussain, Aqeel Imran, Muhammad Taha, Khalid Mohammed Khan	Exploring tricycle acridines as prospective urease inhibitors: synthesis via microwave assistance, in vitro evaluation, kinetic profiling, and molecular docking investigations	Journal of the Iranian Chemical Society 2024
14	Muhammad Taha, Fazal Rahim, Bushra Adalath, Syahrul Imran, Khalid Mohammed Khan, Nizam Uddin, Muhammad Nawaz, Mohammed Khaled Bin Break, Sami M Magam, Saad Alqarni	Synthesis of benzimidazole derivatives and their antiglycation, antioxidant, antiurease and molecular docking study	Arabian Journal of Chemistry 2024
15	Authors Shehryar Hameed, Faiza Saleem, Musa Özil, Nimet Baltaş, Uzma Salar, Sajda Ashraf, Zaheer Ul-Haq, Muhammad Taha, Khalid Mohammed Khan	Indenoquinoxaline-phenylacrylohydrazide hybrids as promising drug candidates for the treatment of type 2 diabetes: In vitro and in silico evaluation of enzyme inhibition and …	International Journal of Biological Macromolecules 2024

16	Muhammad Taha, Sadaf Jamal Gilani, Imran Kazmi, Fazal Rahim, Bushra Adalat, Hayat Ullah, Faisal Nawaz, Abdul Wadood, Zarshad Ali, Syed Adnan Ali Shah, Khalid Mohammed Khan Publication date 2024/3/15 Journal	Synthesis, biological evaluation and molecular docking study of indazole based schiff base analogues as new anti-diabetic inhibitors	Journal of Molecular Structure 2024
17	Samuel Attah Egu, Irfan Ali, Khalid Mohammed Khan, Sridevi Chigurupati, Urooj Qureshi, Uzma Salar, Zaheer Ul-Haq, Suliman A Almahmoud, Shatha Ghazi Felemban, Mohsin Ali, Muhammad Taha	Rhodanine-benzamides as potential hits for α-amylase enzyme inhibitors and radical (DPPH and ABTS) scavengers	Molecular Diversity 2024
18	Bilquees Bano, Kanwal, Shehryar Hameed, Mehreen Lateef, Abdul Wadood, Sulaiman Shams, Shafqat Hussain, Noor UI Ain Nawaz, Shahnaz Perveen, Muhammad Taha, Khalid Mohammed Khan	Unsymmetrical thiourea derivatives: synthesis and evaluation as promising antioxidant and enzyme inhibitors	Future Medicinal Chemistry 2024
19	Wasi Ullah, Fazal Rahim, Shawkat Hayat, Hayat Ullah, Muhammad Taha, Shoaib Khan, Amena Khaliq, Saba Bibi, Osama Gohar, Naveed Iqbal, Syed Adnan Ali Shah, Khalid Mohammed Khan Publication date 2024/3/1	Synthesis of Indole Based Sulfonamide Derivatives as potent inhibitors of α-glucosidase and α-amylase in management of type-II diabetes	Chemical Data Collections 2024
20	Usman Ahmed, Muhammad Taha, Naveed Ahmed Khan, Uzma Salar, Khalid Mohammed Khan, Ayaz Anwar, Ruqaiyyah Siddiqui Publication date 2024/1/15 Journal	Potential anti-amoebic effects of synthetic 1, 4-benzothiazine derivatives against Acanthamoeba castellanii	Helion 2024
21	Abdullah Yahya Abdullah Alzahrani, Bushra Adalat, Hayat Ullah, Muhammad Taha, Mohamed S Othman, Mohamed A Fareid, Azza M Khaled, Fazal Rahim	Design, synthesis, in vitro urease inhibitory potentials and in silico molecular docking study of benzimidazole bearing thiosemicarbazides/sulfonamide Analogues	Journal of Molecular Structure 2024
22	Rafaqat Hussain, Muhammad Ashraf, Shoaib Khan, Fazal Rahim, Wajid Rehman, Muhammad Taha, Asma Sardar, Yousaf Khan, Imran Khan, Syed Adnan Ali Shah	Molecular modeling, synthesis, and in vitro acetylcholinesterase and butyrylcholinesterase inhibitory activities of novel benzimidazole-bearing thiadiazole derivatives	Journal of Molecular Structure 2024
23	Muhammad Taha, Mohammed Salahuddin, Fazal Rahim, Syahrul Imran, Shafqat Hussain, Nizam Uddin, Khalid Mohammed Khan	New quinoline analogues: As potential diabetics inhibitors and molecular docking study	Polycyclic Aromatic Compounds 2024
24	Maryam Maqbool, Mehwish Solangi, Khalid M Khan, Musa Özil, Nimet Baltaş, Uzma Salar, Syeda S Tariq, Zaheer Ul Haq, Muhammad Taha Publication date	Imidazole-thiadiazole hybrids: A multitarget de novo drug design approach, in vitro evaluation, ADME/T, and in silico studies	Archiv der Pharmazie 2024
25	Khan, S.| Ullah, H.| Taha, M.| Rahim, F.| Sarfraz, M.| Iqbal, R.| Iqbal, N.| Hussain, R.| Ali Shah, S.A.| Ayub, K.| Albalawi, M.A.| Abdelaziz, M.A.| Alatawi, F.S.| Khan, K.M.	Synthesis, DFT Studies, Molecular Docking and Biological Activity Evaluation of Thiazole-Sulfonamide Derivatives as Potent Alzheimer's Inhibitors	Molecules 2023

26	Hayat, S.| Ullah, H.| Rahim, F.| Ullah, I.| Taha, M.| Iqbal, N.| Khan, F.| Khan, M.S.| Shah, S.A.A.| Wadood, A.| Sajid, M.| Abdalla, A.N.	Synthesis, biological evaluation and molecular docking study of benzimidazole derivatives as α-glucosidase inhibitors and anti-diabetes candidates	Journal of Molecular Structure 2023
27	Rahim, F.| Ullah, H.| Taha, M.| Hussain, R.| Sarfraz, M.| Iqbal, R.| Iqbal, N.| Khan, S.| Ali Shah, S.A.| Albalawi, M.A.| Abdelaziz, M.A.| Alatawi, F.S.| Alasmari, A.| Sakran, M.I.| Zidan, N.| Jafri, I.| Khan, K.M.	Synthesis of New Triazole-Based Thiosemicarbazone Derivatives as Anti-Alzheimer's Disease Candidates: Evidence-Based In Vitro Study	Molecules 2023
28	Rahim, F.| Ullah, H.| Hussain, R.| Taha, M.| Khan, S.| Nawaz, M.| Nawaz, F.| Gilani, S.J.| Jumah, M.N.B.	Thiadiazole based triazole/hydrazone derivatives: Synthesis, in vitro α-glucosidase inhibitory activity and in silico molecular docking study	Journal of Molecular Structure 2023
29	Khan, I.| Rehman, W.| Rahim, F.| Hussain, R.| Khan, S.| Fazil, S.| Rasheed, L.| Taha, M.| Shah, S.A.A.| Abdellattif, M.H.| Farghaly, T.A.	Synthesis, In Vitro α-Glucosidase Inhibitory Activity and Molecular Docking Study of New Benzotriazole-Based Bis-Schiff Base Derivatives	Pharmaceuticals 2023
30	Adalat, B.| Rahim, F.| Rehman, W.| Ali, Z.| Rasheed, L.| Khan, Y.| Farghaly, T.A.| Shams, S.| Taha, M.| Wadood, A.| Shah, S.A.A.| Abdellatif, M.H.	Biologically Potent Benzimidazole-Based-Substituted Benzaldehyde Derivatives as Potent Inhibitors for Alzheimer's Disease along with Molecular Docking Study	Pharmaceuticals 2023
31	Hussain, R.| Rehman, W.| Rahim, F.| Khan, S.| Alanazi, A.S.| Alanazi, M.M.| Rasheed, L.| Khan, Y.| Adnan. Ali. Shah, S.| Taha, M.	Synthesis, in vitro thymidine phosphorylase inhibitory activity and molecular docking study of novel pyridine-derived bis-oxadiazole bearing bis-schiff base derivatives	Arabian Journal of Chemistry 2023
32	Taha, M.| Rahim, F.| Zaman, K.| Anouar, E.H.| Uddin, N.| Nawaz, F.| Sajid, M.| Khan, K.M.| Shah, A.A.| Wadood, A.| Rehman, A.U.| Alhibshi, A.H.	Synthesis, in vitro biological screening and docking study of benzo[d]oxazole bis Schiff base derivatives as a potent anti-Alzheimer agent	Journal of Biomolecular Structure and Dynamics 2023
33	Taha, M.| Sadia, H.| Rahim, F.| Khan, M.I.| Hayat, S.| Iqbal, N.| Nawaz, F.| Ullah, H.| Zada, H.| Shah, S.A.A.| Wadood, A.| Farooq, R.K.| Khan, K.M.	Synthesis, biological evaluation and molecular docking study of oxindole based chalcone analogues as potent anti-Alzheimer agents	Journal of Molecular Structure 2023
34	Khan, S.| Iqbal, S.| Taha, M.| Hussain, R.| Rahim, F.| Shah, M.| Awwad, N.S.| Ibrahium, H.A.| Alahmdi, M.I.| Dera, A.A.| Ullah, H.| Bahadur, A.| Aljazzar, S.O.| Elkaeed, E.B.| Rauf, M.	Synthesis, in vitro biological assessment, and molecular docking study of benzimidazole-based thiadiazole derivatives as dual inhibitors of α-amylase and α-glucosidase	Frontiers in Chemistry 2023
35	Taha, M.| Hayat, S.| Rahim, F.| Uddin, N.| Wadood, A.| Nawaz, M.| Gollapalli, M.| Rehman, A.U.| Khan, K.M.| Farooq, R.K.	Exploring thiazole-based Schiff base analogs as potent.-glucosidase and.-amylase inhibitor: their synthesis and in-silico study	Journal of Molecular Structure 2023
36	Khan, A.A.| Ullah, H.| Rahim, F.| Taha, M.| Khan, F.| Rehman, W.| Wadood, A.| Khan, K.M.	Synthesis, in vitro α-glucosidase and α-amylase activities, and an in silico molecular docking study of triazinoindole-thiazolidinone hybrid derivatives	Chemical Data Collections 2023
37	Saleem, F.| Haider, M.| Khan, K.M.| Özil, M.| Baltaş, N.| Ul-Haq, Z.| Qureshi, U.| Salar, U.| Taha, M.| Hameed, S.| Ullah, N.	Regioselective syntheses of 2-oxopyridine carbonitrile derivatives and evaluation for antihyperglycemic and antioxidant potential	International Journal of Biological Macromolecules 2023
38	Saleem, F.| Khan, K.M.| Ullah, N.| Özil, M.| Baltaş, N.| Hameed, S.| Salar, U.| Wadood, A.| Rehman, A.U.| Kumar, M.| Taha, M.| Haider, S.M.	Bioevaluation of synthetic pyridones as dual inhibitors of α-amylase and α-glucosidase enzymes and potential antioxidants	Archiv der Pharmazie 2023
39	Khan, I.| Rehman, W.| Rahim, F.| Hussain, R.| Khan, S.| Rasheed, L.| Alanazi, A.S.| Hefnawy, M.| Alanazi, M.M.| Shah, S.A.A.| Taha, M.	Synthesis, in vitro biological analysis and molecular docking studies of new thiadiazole-based thiourea derivatives as dual inhibitors of a-amylase and a-glucosidase	Arabian Journal of Chemistry 2023
40	Taha, M.| Khan, A.A.| Rahim, F.| Hayat, S.| Imran, S.| Iqbal, N.| Uddin, N.| Khan,	Synthesis, in vitro evaluation and molecular docking studies of hybrid 4-	Journal of Molecular Structure 2023

	K.M.| Anouar, E.H.| Farooq, R.K.| Nawaz, M.| Shah, S.A.A.	quinolinyl bearing 1,3,4-thiadiazole-2-amine as a new inhibitor of α-amylase and α-glucosidase	
41	Ullah, H.| Rahim, F.| Taha, M.| Khan, F.| Mehran| Alotaibi, B.S.| Zulfat, M.| Wadood, A.	Synthesis, in vitro acetylcholinesterase, butyrylcholinesterase activities and in silico molecular docking study of thiazole-thiourea hybrid derivatives	Chemical Data Collections 2023
42	Asuquo, I.G.| Solangi, M.| Khan, K.M.| Chigurupati, S.| Otuokere, I.E.| Ekuma, F.K.| Salar, U.| Felemban, S.G.| Rehman, A.U.| Wadood, A.| Taha, M.	Design, synthesis and bio-evaluation of indolin-2-ones as potential antidiabetic agents	Future Medicinal Chemistry 2023
43	Khan, S.| Rahim, F.| Rehman, W.| Alanazi, M.M.| Alanazi, A.S.| Hussain, R.| Taha, M.| Ali, F.| Usman Khan, M.| Adnan Ali Shah, S.	Novel benzoxazole-based thiosemicarbazide derivatives as new inhibitors of urease and β-Glucuronidase: Synthesis, in vivo anti-nematodal activity and ADMET prediction along with in silico study	Journal of Saudi Chemical Society 2023
44	Taha, M.| Salahuddin, M.| Almandil, N.B.| Farooq, R.K.| Rahim, F.| Uddin, N.| Nawaz, M.| Alhibshi, A.H.| Anouar, E.H.| Khan, K.M.	In Vitro and in Vivo Antidiabetics Study of New Oxadiazole Derivatives Along with Molecular Docking Study	Polycyclic Aromatic Compounds 2023
45	Ata, A.| Salar, U.| Saleem, F.| Lateef, M.| Khan, S.A.| Khan, K.M.| Taha, M.| Haider, S.M.| Ul-Haq, Z.	Identification of potential urease inhibitors and antioxidants based on saccharin derived analogs: Synthesis, in vitro, and in silico studies	Journal of Molecular Structure 2023
46	Hussain, R.| Rehman, W.| Rahim, F.| Khan, S.| Taha, M.| Khan, Y.| Sardar, A.| Khan, I.| Shah, S.A.A.	Discovery of imidazopyridine derived oxadiazole-based thiourea derivatives as potential anti-diabetic agents: Synthesis, in vitro antioxidant screening and in silico molecular modeling approaches	Journal of Molecular Structure 2023
47	Haq, I.| Ali, I.| Khan, K.M.| Chigurupati, S.| Habib, A.| Salar, U.| Ahmad, M.| Konanki, S.| Felemban, S.G.| Taha, M.| Haq, Z.U.	New arylidene-linked chromane-2,4-dione analogs as potential leads for diabetic management; syntheses, α-amylase inhibitory, and radical scavenging activities	Chemical Papers 2023
48	Homoud, Z.A.| Taha, M.| Rahim, F.| Iqbal, N.| Nawaz, M.| Farooq, R.K.| Wadood, A.| Alomari, M.| Islam, I.| Algheribe, S.| Rehman, A.U.| Khan, K.M.| Uddin, N.	Synthesis of indole derivatives as Alzheimer inhibitors and their molecular docking study	Journal of Biomolecular Structure and Dynamics 2023
49	Rasheed, L.| Rehman, W.| Rahim, F.| Ali, Z.| Alanazi, A.S.| Hussain, R.| Khan, I.| Alanazi, M.M.| Naseer, M.| Abdellattif, M.H.| Hussain, R.| Khan, S.| Taha, M.| Ali Shah, S.A.	Molecular Modeling and Synthesis of Indoline-2,3-dione-Based Benzene Sulfonamide Derivatives and Their Inhibitory Activity against α-Glucosidase and α-Amylase Enzymes	ACS Omega 2023
50	Taha, M.| Rahim, F.| Khan, I.U.| Uddin, N.| Farooq, R.K.| Wadood, A.| Rehman, A.U.| Khan, K.M.	Synthesis of thiazole-based-thiourea analogs: as anticancer, antiglycation and antioxidant agents, structure activity relationship analysis and docking study	Journal of Biomolecular Structure and Dynamics 2023
51	Egu, S.A.| Ali, I.| Khan, K.M.| Chigurupati, S.| Qureshi, U.| Salar, U.| Taha, M.| Felemban, S.G.| Venugopal, V.| Ul-Haq, Z.	Syntheses, in vitro, and in silico studies of rhodanine-based schiff bases as potential α-amylase inhibitors and radicals (DPPH and ABTS) scavengers	Molecular Diversity 2023
52	Ata, A.| Khan, K.M.| Lateef, M.| Salar, U.| Anwar, A.| Wadood, A.| Ur Rehman, A.| Hameed, S.| Zafar, F.| Taha, M.| Perveen, S.	Evaluation of S-substituted-2-mercaptobenzimidazole analogs for urease inhibitory and DPPH radical scavenging potential: synthesis, bioactivity, and molecular docking study	Journal of the Iranian Chemical Society 2023
53	Hameed, S.| Kanwal| Salar, U.| Lateef, M.| Wadood, A.| Taha, M.| Rehman, A.U.| Khan, K.M.	1,2,3-Benzotriazoles as Potential Leads for Gastric and Peptic Ulcer Management. In Vitro Urease Inhibitory Activity and Molecular Docking Study	Russian Journal of Organic Chemistry 2023
54	Taha, M.| Rahim, F.| Khan, A.A.| Adalat, B.| Imran, S.| Alshehri, J.M.| Ahmad, A.| Khan, K.M.| Shah, S.A.A.| Uddin, N.	The β-carboline analogs as a potent inhibitor for Alzheimer's Disease, molecular docking and dynamics simulation study	Arabian Journal of Chemistry 2023

55	Babatunde, O.| Hameed, S.| Mbachu, K.A.| Saleem, F.| Chigurupati, S.| Wadood, A.| Ur Rehman, A.| Venugopal, V.| Khan, K.M.| Taha, M.| Ekundayo, O.| Khan, M.A.	Evaluation of derivatives of 2,3-dihydroquinazolin-4(1H)-one as inhibitors of cholinesterases and their antioxidant activity: In vitro, in silico and kinetics studies	Journal of the Serbian Chemical Society 2023
56	Seraj, F.| Khan, K.M.| Iqbal, J.| Imran, A.| Hussain, Z.| Salar, U.| Hameed, S.| Taha, M.	Evaluation of synthetic aminoquinoline derivatives as urease inhibitors: in vitro, in silico and kinetic studies	Future Medicinal Chemistry 2023
57	Saleem, F.| Shamim, F.| Özil, M.| Baltaş, N.| Salar, U.| Ashraf, S.| Ul-Haq, Z.| Taha, M.| Solangi, M.| Khan, K.M.	Multicomponent diastereoselective synthesis of tetrahydropyridines as α-amylase and α-glucosidase enzymes inhibitors	Future Medicinal Chemistry 2023
58	Taha, M.| Rahim, F.| Khan, I.U.| Uddin, N.| Iqbal, N.| Khand, K.M.| Almandil, N.B.| Anouar, E.H.	Synthesis of Oxadiazole-Based-Thiourea, Evaluation of Their β-Glucuronidase Inhibitory Potential, and Molecular Docking Study	Polycyclic Aromatic Compounds 2023
59	Taha, M.| Imran, S.| Rahim, F.| Uddin, N.| Iqbal, N.| Khan, K.M.| Farooq, R.K.| Alomari, M.| Islam, I.| Algheribe, S.	Discovering biological efficacy of new thiadiazole as effective inhibitors of urease, glycation, and (DPPH) scavengers: Biochemical and in silico study	Journal of Molecular Structure 2023
60	Jamil, W.| Chandio, N.| Rafiq, M.| Taha, M.| Solangi, S.| Yaqoob, M.	Improving industrial wastewater irrigation: the effects on Indian baby pumpkin (Praecitrullus fistulous) cultivation	Applied Water Science 2023
61	Khan, M.| Alam, A.| Salar, U.| Chigurupati, S.| Saleem, F.| Hameed, S.| Taha, M.| Khan, K.M.	Flurbiprofen Derivatives as Potential DPPH and ABTS Radical Scavengers	Russian Journal of Organic Chemistry 2023
62	Taha, M.| Rahim, F.| Uddin, I.| Amir, M.| Iqbal, N.| Wadood, A.| Khan, K.M.| Uddin, N.| Rehman, A.U.| Farooq, R.K.	Discovering phenoxy acetohydrazide derivatives as urease inhibitors and molecular docking studies	Journal of Biomolecular Structure and Dynamics 2023
63	Fatima, B.| Saleem, F.| Salar, U.| Chigurupati, S.| Felemban, S.G.| Ul-Haq, Z.| Tariq, S.S.| Almahmoud, S.A.| Taha, M.| Shah, S.T.A.| Khan, K.M.	Multitargeted inhibition of key enzymes associated with diabetes and Alzheimer's disease by 1,3,4-oxadiazole derivatives: Synthesis, in vitro screening, and computational studies	Archiv der Pharmazie 2023
64	Taha, M.| Rahim, F.| Hayat, S.| Chigurupati, S.| Khan, K.M.| Imran, S.| Ali Shah, S.A.| Uddin, N.| Felemban, S.G.| Venugopal, V.	New pyrrolopyridine-based thiazolotriazoles as diabetics inhibitors: enzymatic kinetics and in silico study	Future Medicinal Chemistry 2023
65	Solangi, M.| Khan, K.M.| Ji, X.| Özil, M.| Baltaş, N.| Salar, U.| Khan, A.| Haq, Z.U.| Meghwar, H.| Taha, M.	Indole–pyridine carbonitriles: multicomponent reaction synthesis and bio-evaluation as potential hits against diabetes mellitus	Future Medicinal Chemistry 2023
66	Hussain, R.| Rahim, F.| Rehman, W.| Khan, S.| Rasheed, L.| Maalik, A.| Taha, M.| Alanazi, M.M.| Alanazi, A.S.| Khan, I.| Shah, S.A.A.	Synthesis, in vitro analysis and molecular docking study of novel benzoxazole-based oxazole derivatives for the treatment of Alzheimer's disease	Arabian Journal of Chemistry 2023
67	Shamim, S.| Khan, K.M.| Ali, M.| Mahdavi, M.| Salar, U.| Mohammadi-Khanaposhtani, M.| Faramarzi, M.A.| Ullah, N.| Taha, M.	Synthesis, in vitro analysis and molecular docking study of novel benzoxazole-based oxazole derivatives for the treatment of Alzheimer's disease	Future Medicinal Chemistry 2023
68	Khan, S.| Ullah, H.| Taha, M.| Rahim, F.| Sarfraz, M.| Iqbal, R.| Iqbal, N.| Hussain, R.| Ali Shah, S.A.| Ayub, K.| Albalawi, M.A.| Abdelaziz, M.A.| Alatawi, F.S.| Khan, K.M.	Diphenyl-substituted triazine derivatives: synthesis, α-glucosidase inhibitory activity, kinetics and in silico studies	Future Medicinal Chemistry 2023
	For full list kindly see the link	https://scholar.google.com/citations?user=xUOt_10AAAAJ&hl=en	

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Muhammad Taha	Synthesis of novel hybrid of benzimidazole as diabetic ii inhibitors and molecular docking studies (DSR 2018)	Completed 2020
2	Muhammad Taha	Title: Synthesis, Molecular Docking, QSAR, Nano capsuling and Kinetic Studies of Novel Inhibitors for Diabetic Based on indole	Completed 2021
	Muhammad Taha Co-investigator	Development of Novel Electrochemical Sensors for Anticancer Drugs Trace Determination and their Interactions with DNA Reveals the Future of Cancer Diagnostics (2018 DSR) Co-investigator	Completed 2020

Current Researches

#	Research Title	Name of Investigator(s)
1	**Synthesis of indole analogues for antidiabetic II managing**	Muhammad Taha
2	**Synthesis of benzimidazole as anti-Alzheimer's disease**	Muhammad Taha
3	**Synthesis of arylhydrazone as Urease inhibition and molecular docking study**	Muhammad Taha
4	**Synthesis of oxindole as anticancer compounds and simulation study**	Muhammad Taha

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution

Membership of Scientific and Professional Societies and Organizations

- **Pakistan Chemical society Lifetime membership**
-

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	basic Organic Chemistry	412	Two credit hours
	Functional group chemistry (Organic Chemistry)	**556**	Three credit hours
	Spectroscopy IR, UV, NMR, Mass spectrometry (Organic Chemistry)	**456**	Two credit hours
	stereochemistry (Organic Chemistry)	**410**	Three credit hours
	Organic Chemistry practical's	**606**	Three credit hours

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

Basic and applied chemistry for students of chemistry and pharmacy

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Research methodology	MSBE891/ MSNE891	Lecture 1Credit Hour
2	Spectroscopy analysis	605	Lecture 3 Credit Hour

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
	Interpretation of NMR	Chemistry	UiTM Shah Alam campus	2015
	Modern Mass spectrometry	Chemistry	UiTM Shah Alam campus	2016

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
	Muhibah	9	2021	2023
	Summer Camp	12	2019	2023

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	M. S.	Synthesis and Pharmacological activities of Morphine and Coumarin Derivatives	UiTM Malaysia	2015
	M. S.	Synthesis of thiophene, benzofuran hydrazone and its biological activities	UiTM Malaysia	2015
	M. S.	Synthesis of novel derivatives of benzothiazole and evaluation of their anticancer potential	UiTM Malaysia	2016
	M. S.	Synthesis of benzoyl, indole hydrazones and its biological activities	UiTM Malaysia	2016
	Ph. D.	Synthesis of novel Benzimidazole and Biscoumarins, derivatives, and evaluation of their biological potential	UiTM Malaysia	2015
	Ph. D.	Synthesis and bioactivity of bisindoledeand Flavones derivatives	UiTM Malaysia	2016
	Ph. D.	Synthesis of novel benzimidazole derivatives	UiTM Malaysia	2016

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
1	MS	Synthesis of benzofuran Hydrazones in the Search of Potent Antibacterial leads compounds	IRMC	2024

Administrative Responsibilities, Committee and Community Service **(Beginning with the most recent)**

Administrative Responsibilities

#	From	To	Position	Organization
1	2018	2023	Head of department Clinical Pharmacy	IRMC

Committee Membership

#	From	To	Position	Organization
1	2024	Till now	Safety committee member	IRMC
2	2018	2023	Scientific council members	IRMC

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	July 2021	Aug2021	Supervision of student	IRMC
2	July 2023	Aug2023	Supervision of student	IRMC

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	
2	

Last Update

3/9/2024