

PROFILE		
1	NAME	SYED ADNAN ALI SHAH
2	ACADEMIC POSITION	Associate Professor
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Pakistan
5	EDUCATION	<p>PhD 2005 H. E. J. Research Institute of Chemistry International Center for Chemical and Biological Sciences (ICCBS) University of Karachi, Karachi, Pakistan.</p> <p>M.Sc. 2000 Organic Chemistry Department of Chemistry University of Karachi, Karachi, Pakistan.</p> <p>B.Sc. (Hons) 1999 Chemistry, Biochemistry, Zoology Department of Chemistry University of Karachi, Karachi, Pakistan.</p>
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> • Associate Professor (DM53) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 1 May 2019- Present • Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 02 May 2008-01 May 2019 • Visiting Lecturer Faculty of Pharmacy, Universiti Teknologi MARA (UiTM), Shah Alam, Selangor D.E., Malaysia (Nov. 2007-April 2008). <ul style="list-style-type: none"> • Post-doc Research Employee at the Institute of Analytical and Radiochemistry, University of Innsbruck, Innsbruck, Austria (Aug. 2005-April 2006).
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> • PHC614 Pharmacognosy • PHC511 Basic Principles of Medicinal Chemistry • 631 Medicinal Chemistry of Drugs • PHC610 Research Proposal • PHC632 Research Project • PHC563 Pharmaceutical Analysis

		<ul style="list-style-type: none"> • PHC414 Fundamentals of Pharmaceutical Chemistry • PHC464 Pharmaceutical Organic Chemistry
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> • Natural Product Chemistry • NMR Metabolomics • Medicinal Chemistry • Synthetic Chemistry
9	PUBLICATIONS	<p>2019-2023</p> <p>Journal article</p> <ol style="list-style-type: none"> 1. Naheed Akhter; Samreen Gul Khan; Sidra Batool; Nasir Rasul; Fozia Anjum; Azhar Rasul; Sevki Adem; Sadaf Mahmood; Azizur- Rehman; Mehr un Nisa; Zainib Razzaq; Jørn Bolstad Christensen; Mohammed A.S. Abourehab; Syed Adnan Ali Shah; Syahrul Imran. Bio-Oriented synthesis and molecular docking studies of 1,2,4-Triazole based derivatives as potential Anticancer agents against HepG2 Cell Line. <i>Pharmaceuticals</i> 2023, 16, 211. (WoS indexed, IF2021 = 5.215, Q1) 2. Muhammad Taha, Fazal Rahim, Khalid Zaman, El Hassane Anouar, Nizam Uddin, Faisal Nawaz, Muhammad Sajid, Khalid Mohammed Khan, Syed Adnan Ali Shah, Abdul Wadood, Ashfaq Ur Rehman, Amani H. Alhibshik. Synthesis, in vitro biological screening and docking study of benzo[d]oxazole bis Schiff base derivatives as a potent anti-Alzheimer agent. <i>Journal of Biomolecular Structure and Dynamics</i> 2023, 41,5, 1649–1664. (WoS indexed, IF2021 = 5.235, Q1). 3. Nadia Gula, Shujaat Ahmada, Hanif Ahmad, AbdulAziz, Mazen Almehmadi, Ahad Amer Alsaiari, Mamdouh Allahyani, Zainab, Syed Adnan Ali Shah, Najeeb ur Rahman, Manzoor Ahmad. New acetylcholinesterase inhibitors isolated from <i>Delphinium uncinatum</i>. <i>Arabian Journal of Chemistry</i>, 2023, 16, 104408. (WoS indexed, IF2021 = 6.212, Q2). 4. Uzma Afzal, Muhammad Bilal, Muhammad Zubair, Nasir Rasool, Syed Adnan Ali Shah, Zainul Amiruddin Zakaria. Stereospecific/stereoselective Nickel catalyzed reductive cross-coupling: An efficient tool for the synthesis of biological active targeted molecules. <i>Journal of Saudi Chemical</i>

		<p>Society, 2023, 27, 101589. (WoS indexed, IF2021 = 4.712, Q2).</p> <ol style="list-style-type: none"> 5. Shabbir Hussain, Warda Javed, Affifa Tajammal, Muhammad Khalid, Nasir Rasool, Muhammad Riaz, Muhammad Shahid, Iqbal Ahmad, Riaz Ahmad, Syed Adnan Ali Shah. Synergistic Antibacterial Screening of <i>Cymbopogon citratus</i> and <i>Azadirachta indica</i>: Phytochemical Profiling, Antioxidant and Hemolytic Activities. <i>ACS Omega</i>, Published online 2 May. 2023. (WoS indexed, IF2021 = 4.7, Q2). 6. Muhammad Taha, Aftab Ahmad Khan, Fazal Rahim, Syahrul Imran, Mohammed Salahuddin, Nizam Uddin, Khalid Mohammed Khan, Syed Adnan Ali Shah, Ameerduzzafar Zafar. New biologically dynamic hybrid pharmacophore triazinoindole-based-thiadiazole as potent αglucosidase inhibitors: In vitro and in silico study. <i>International Journal of Biological Macromolecules</i>, 2022; 199; 77–85. (WoS indexed, IF2021 = 8.025, Q1). 7. Ayesha Naseer, Faisal Abdulrhman Osra, Asia Naz Awan, Aqeel Imran, Abdul Hameed, Syed Adnan Ali Shah, Jamshed Iqbal, Zainul Amiruddin Zakaria. Exploring Novel Pyridine Carboxamide Derivatives as Urease Inhibitors: Synthesis, Molecular Docking, Kinetic Studies and ADME Profile. <i>Pharmaceuticals</i> 2022, 15, 1288. https://doi.org/10.3390/ph15101288. (WoS indexed, IF2021 = 5.215, Q1). 8. Muhammad Shoaib Ali Gill1, Nursyuhada Azzman, Sharifah Syed Hassan, Syed Adnan Ali Shah, Nafees Ahemad. A green and efficient synthetic methodology towards the synthesis of 1-allyl-6-chloro-4oxo-1,4-dihydroquinoline-3-carboxamide derivatives. <i>BMC Chemistry</i>, 2022, 16:111, 1-9. (WOS indexed, IF2021 = 4.095, Q2). 9. Jamilah Javid, Aziz-ur- Rehman, Muhammad A. Abbasi, Sabahat Z. Siddiqui, Javed Iqbal, Naeem A. Virk, Shahid Rasool, Hira A. Ali, Muhammad Ashraf, Wardah Shahid, Safdar Hussain, Syed Adnan Ali Shah. Comparative Conventional and Microwave Assisted Synthesis of Heterocyclic Oxadiazole Analogues Having Enzymatic Inhibition Potential. <i>J Heterocyclic Chem.</i> 2021; 58:93-110. (WoS indexed, IF2021 = 2.035, Q3).
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		<p>Nizam Uddin, Salman Zafar, Syed Adnan Ali Shah. New triazinoindole bearing thiazole/oxazole analogues: Synthesis, α-amylase inhibitory potential and molecular docking study. <i>Bioorganic Chemistry</i>, 2019; 92, art. no. 103284. (WoS indexed, IF2021 = 5.305, Q1).</p> <p>16. Mubashir Hassan, Muhammad Athar Abbasi, Aziz-ur-Rehman, Sabahat Zahra Siddiqui, Saba Shahzadi, Hussain Raza, Ghulam Hussain, Syed Adnan Ali Shah, Muhamamd Ashraf, Muhammad Shahid, Sung-Yum Seo, Arif Malik. Designing of promising medicinal scaffolds for Alzheimer's disease through enzyme inhibition, lead optimization, molecular docking and dynamic simulation approaches. <i>Bioorganic Chemistry</i>, 2019; 91, art. no. 103138. (WoS indexed, IF2021 = 5.305, Q1).</p> <p>17. Fazal Rahim, Muhammad Taha, Hayat Ullah, Abdul Wadood, Manikandan Selvaraj, Abdur Rab, Muhammad Sajid, Syed Adnan Ali Shah, Nizam Uddin, Mohammed Gollapalli. Synthesis of new arylhydrazide bearing Schiff bases/thiazolidinone: αAmylase, urease activities and their molecular docking studies. <i>Bioorganic Chemistry</i>, 2019; 91, art. no. 103112. (WoS indexed, IF2021 = 5.305, Q1).</p> <p>18. Khalid Zaman, Fazal Rahim, Muhammad Taha, Hayat Ullah, Abdul Wadood, Mohsan Nawaz, Fahad Khan, Zainul Wahab, Syed Adnan Ali Shah, Ashfaq Ur Rehman, Abdel-Nasser Kawde, Mohammed Gollapalli. Synthesis, in vitro urease inhibitory potential and molecular docking study of Benzimidazole analogues. <i>Bioorganic Chemistry</i>, 2019; 89, art. no. 103024. (WoS indexed, IF2021 = 5.305, Q1).</p> <p>19. Khalid Zaman, Fazal Rahim, Muhammad Taha, Abdul Wadood, Syed Adnan Ali Shah, Mohammed Gollapalli, Farhat Ullah, Ashfaq Ahmed. Synthesis, thymidine phosphorylase, angiogenic inhibition and molecular docking study of isoquinoline derivatives. <i>Bioorganic Chemistry</i>, 2019; 89, art. no. 102999. (WoS indexed, IF2021 = 5.305, Q1).</p> <p>20. Abdul Rehman Sadiq Butt, Muhammad Athar Abbasi, Aziz-ur-Rehman, Sabahat Zahra Siddiqui, Hussain Raza, Mubashir Hassan, Syed Adnan Ali Shah, Muhammad Shahid, Sung-Yum Seo. Synthesis and structure-activity relationship of</p>
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tyrosinase inhibiting novel bi-heterocyclic acetamides: Mechanistic insights through enzyme inhibition, kinetics and computational studies. *Bioorganic Chemistry*, 86, 2019; 459–472. (WoS indexed, IF2021 = 5.305, Q1).

21. Abdul Rehman Sadiq Butta, Muhammad Athar Abbasi, Aziz-ur-Rehman, Sabahat Zahra Siddiqui, Mubashir Hassan, Hussain Raza, Syed Adnan Ali Shah, Sung-Yum Seo. Synthesis and structure- activity relationship of elastase inhibiting novelethylated thiazole-triazole acetamide hybrids: Mechanistic insights through kinetics and computational contemplations. *Bioorganic Chemistry*, 86, 2019; 197–209. (WoS indexed, IF2021 = 5.305, Q1).
22. Muhammad Athar Abbasi, Hussain Raza, Aziz- ur-Rehman, Sabahat Zahra Siddiqui, Syed Adnan Ali Shah, Sung-Yum Seo. Synthesis of novel N- (1,3-thiazol-2-yl)benzamide clubbed oxadiazole scaffolds: Urease inhibition, Lipinski rule and molecular docking analyses. *Bioorganic Chemistry*, 2019; 83, 63–75. (WoS indexed, IF2021 = 5.305, Q1).

Conference paper

- Invited Speaker in 2nd International Industrial Chemistry Conference held on 3rd – 4th March 2023 at Department of chemistry NED University of Engineering & Technology, Karachi Pakistan.
- Keynote Speaker at the “10th World Conference on Pharmaceutical Science and Drug Manufacturing” organized by Association of Pharmaceutical Research (APR) held on 06th & 07th July 2023. India
- Keynote Speaker in 1st International Conference on Green and Sustainable Environment – ICGSE organized under 1st SMIU Global Research Congress (GRC) 2023 at Sindh Madressatul Islam University Karachi, Pakistan.
- 9th International Postgraduate Conference on Pharmaceutical Sciences (iPoPS) 2022
- Invited Speaker at the virtual 3rd International Research Network Initiative (IRNI) Symposium 2022, “Shaping the Future of Medicine: Recent Advancements in Drug Discovery and Development” 23rd - 24th November 2022.

		<ul style="list-style-type: none"> • Invited Speaker at The first Virtual International Analytical Chemistry Conference Analytical Techniques :Innovation and Challenges Frpm March 23rd to 24th , 2022 at Nizwa University, Oman. • Invited Specker in 1st International Industrial Chemistry Conference held on 26-28th February, 2021 at Department of chemistry NED University of Engineering & Technology, Karachi, Pakistan.
10	RESEARCH GRANTS	<ol style="list-style-type: none"> 1. Principal Investigator: Structural insights into the diverse interaction mechanisms of thymidine phosphorylase inhibitors using TROSY-NMR, OPLS-DA and MD Simulations. FRGS/1/2019/STG05/UITM/02/9 (Sep. 01, 2019 –Nov. 30, 2021). Grant approved: RM 187,400.00. 2. Principal Investigator: Elucidation of the binding mechanism of α-glucosidase inhibitors using a combined molecular dynamics, STD-NMR, and CORCEMA-STD. FRGS/1/2015/SG05/UITM/02/6 (Nov. 02, 2015 -May 01, 2018). Grant approved: RM 140,200.00. 3. Principal Investigator: Correlation between NMR metabolomics and <i>in vivo</i> mechanism of action of antifungal agents. FRGS Phase 01/2012 (2012- 2015). Grant approved: RM 96,000.00. 4. Principal Investigator: Geran Principal Investigator Support Initiative (PSI) 01/2013 (Dec. 2013 - Dec. 2015). Grant approved: RM 60,000.00. 5. Principal Investigator: Geran Cumulative Impact Factor Initiative (CIFI) 01/2013 (Dec. 2013 - Dec. 2015). Grant approved: RM 60,000.00. 6. Principal Investigator: Bioassay-Guided Isolation of Alpha-Glucosidase Inhibitors from Marine- Derived Fungi. Dana Kecemerlangan Fasa 03/2009 (2010-2011). Grant approved: RM 30,000.00. 7. Co-Principal Investigator: Computational chemistry investigation of anticoronavirus of some synthesized and natural compounds towards the main protease (Mpro) of SARSCoV-2. Prince Sattam Bin Abdulaziz University, Deputyship of Research & Innovation, Ministry of Education in Saudi Arabia, for funding this research work through project number

		<p>(IF2/PSAU/2022/01/22537). Grant approved: SAR 125,000.00.</p> <ol style="list-style-type: none"> 8. Co-Principal Investigator: Unravelling the mechanisms of andrographolide derivatives in metastasis breast cancer using MDA-MB-231 cells induced xenograft model. (Sep. 2022 - Aug. 2024) (Ref: FRGS/1/2022/STG01/UITM/02/6). Grant approved: RM182,966. 9. Co-Principal Investigator: Mechanistic studies to understand metastasis breast cancer: towards the effects of microbial derivatives of testosterone propionate on MDA-MB 231 cell migration. (Jan.2023 - Dec 2024) (Ref: 600-RMC/KEPU 5/3 (008/2023). Grant approved: RM40,000. 10. Co-Principal Investigator: Investigating the biological impact of pharmaceutical pollutants exposure towards Malaysian polychaetes, Marphysa moribidii and Diopatra claparedii using Nuclear Magnetic Resonance-based metabolomics. (Sep. 2022 - Aug. 2024) (Ref: FRGS/1/2022/WAB05/UITM/02/2). Grant approved: RM RM130,000. 11. Co-Principal Investigator: Mechanistic studies to understand enzyme inhibition: Towards developing new anti-HIV agents based on quinoline scaffold. FRGS/1/2020/STG04/MUSM/02/1) (Nov.01, 2020 – Oct. 31, 2022). Grant approved: RM 118,200. 12. Co-Principal Investigator: Molecular Characterization And Modification of 5,7,8- Trihydroxyflavone and its chemical analogues to discover a novel antihyperglycemic age. UPM- IIUM-UITM Sustainable Research Collaboration 2020. (Dec.23, 2020 – Dec. 22, 2022). Grant approved: RM 20,000. 13. Co-Principal Investigator: Green Chemistry Reactions using Microbial Reactions. 600- IRMI/REI 5/3 (020/2018). (Sept. 01, 2018 - Feb. 27, 2021). Grant approved: RM 32,000.00. 14. Co-Principal Investigator: Elucidation of the microbial biotransformed mechanism of antitumor agents using metabolomics and gene expression analysis. Ref: FRGS/1/2016/TK10/UITM/02/3. (Aug. 01, 2016 - Jul. 31, 2018). Grant approved: RM 103,000.00. 15. Co-Principal Investigator: Uncovering the mechanisms of microbial biotransformed
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		<p>antitumour agents using metabolomics and gene expression analysis. 600-RMI/DANA 5/3/LESTARI (92/2015). (Dec. 01, 2015 - Nov. 30, 2017). Grant approved: RM 20,000.00.</p> <p>16. Co-Principal Investigator: Roles of Hydrophobicity and Anions on Self-Assembled Oligopeptides. RAGS/2012/UITM/SG06/1 (2012-2014). Grant approved: RM 65,000.00.</p> <p>17. Co-Principal Investigator: Linkage development with Limoges University (France) as vesp as a basis for quantum mechanics to solve stilbene dimerisation determinism. 600-RMI/DANA 5/3/VCSP (18/2011) (2011) Grant approved: RM 25,000.00.</p> <p>18. Co-Principal Investigator: Malaysian Endophytes for Developing New Green Chemistry Reactions and Syntheses. eScience/MOSTI (2008-2011). Grant approved: RM 182,000.00.</p> <p>19. Co-Principal Investigator: Quantum Mechanics to Solve Stilbenes Dimerisation Determinism. FRGS/MOHE Project (2011-2013). Grant approved: RM 182,000.00.</p>
11	AWARDS	<ul style="list-style-type: none"> • Top Publications with Internasional Collaborator Award in Majlis Sanjung Sarjana 2023 • UiTM's Top Researcher Award 2021 • Excellence Service Award (APC) 2021 • Gold Award MOOC Development (Basic Principles of Medicinal Chemistry) eCONDEV2022 • Best MOOC Science & Technology (Basic Principles of Medicinal Chemistry) eCONDEV2022 • SILVER Award PharmIINDEX 2022 • Bronze Medal in IINDEX 2022 • Gold Award MOOC Development (Pharmacognosy) eCONDEV2021 • Outstanding Publication Award 2020 (highest number of Q2 publications) • SILVER Award PharmIINDEX 2021 • SILVER Award PharmIINDEX 2021 • UiTM's Top Researcher Award 2020 • Bronze Medal in IINDEX 2021 • Top 10 Publication Scopus/ WoS Award 2020 • Top 3 in Q2 Journal Award 2020

		<ul style="list-style-type: none"> • Gold Award MOOC Development(Pharmacognosy) eCONDEV2020 • Bronze Medal in PharmIINDEX 2020 • SILVER Award PharmIINDEX 2020 • SILVER Award PharmIINDEX 2020 • SILVER Award IINDEX 2019 • Bronze Medal in IINDEX 2019 • Gold Medal in PharmIINDEX 2019 • Excellence Award of Top Indexed Publication–2019
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	The Malaysian Natural Product Society (MNPS-B0471) Since 2021
13	PARTICIPATION IN CONTINUING EDUCATION	• -
14	COMMUNITY SERVICES	• -