

<b>PROFILE</b>		
<b>1</b>	<b>NAME</b>	DR SADIA SULTAN
<b>2</b>	<b>ACADEMIC POSITION</b>	Associate Professor
<b>3</b>	<b>STATUS OF APPOINTMENT</b>	CONTRACT
<b>4</b>	<b>CITIZENSHIP</b>	PAKISTANI
<b>5</b>	<b>EDUCATION</b>	<p style="text-align: center;"><b>Ph.D. 2005</b>  Organic Chemistry (Natural Product Chemistry)  H. E. J. Research Institute of Chemistry  International Center for Chemical and Biological Sciences (ICCBS).University  of Karachi, Karachi, Pakistan</p> <p style="text-align: center;"><b>M.Sc. 1995-1996</b>  Organic Chemistry Department of Chemistry  University of Karachi, Pakistan.</p> <p style="text-align: center;"><b>B.Sc. (Hons) 1994</b>  Chemistry, Biochemistry, Physiology Department of  Chemistry  University of Karachi, Pakistan.</p>
<b>6</b>	<b>WORKING EXPERIENCE</b>	<ul style="list-style-type: none"> <li>• <b>Associate Professor</b>, Pharmaceutical Pharmacology and Chemistry department, Faculty of Pharmacy University Technology MARA (UiTM), Puncak Alam Campus. (June <b>2015</b> to present).</li> <li>• <b>Team Leader (Head)</b>, Biotransformation Research Group, Pharmaceutical Life Sciences (BRG-PLS Core) Faculty of Pharmacy University Technology MARA (UiTM), Puncak Alam Campus. (June <b>2015</b> to present).</li> <li>• <b>Associate Fellow</b>, Atta-Ur-Rahman Institute for Natural Products Discovery (AuRIns), University Teknologi MARA (June <b>2006</b> to <b>2019</b>)</li> <li>• <b>Senior Lecturer</b>, Pharmaceutical Pharmacology and Chemistry Department Faculty of Pharmacy, University Technology MARA (UiTM), Shah Alam / Puncak Alam Campus, Selangor DE, Malaysia (June <b>2009</b> –June <b>2015</b>).</li> <li>• <b>Lecturer</b>, Faculty of Pharmacy, University Technology MARA (UiTM), Shah Alam Campus, Selangor DE, Malaysia (June <b>2006</b> –June <b>2009</b>).</li> </ul>

		<ul style="list-style-type: none"> <li>• <b>Chemist</b> at Quality Assurance Department of Abbot Pharmaceutical Laboratory Karachi Pakistan (<b>March 2005- April 2006</b>)</li> <li>• <b>Lecturer</b> at Education Department of Pakistan Steel Mill Steel Town Karachi Pakistan (<b>August 1998-July 2000</b>).</li> </ul>
7	<b>CURRENT ACADEMIC RESPONSIBILITIES</b>	<ul style="list-style-type: none"> <li>• PHC610: Research 1 (Supervisor)</li> <li>• PHC632: Supervisor</li> <li>• Fundamentals of Pharmaceutical Chemistry PHC 414 (Resource Person) Under Grad 3(3,0) 1st UiTM</li> <li>• Pharmaceutical Organic Chemistry PHC 464 (Resource Person) Under Grad 3(3,0) 1st UiTM</li> <li>•</li> <li>• Basic Principles of Medicinal Chemistry PHC511 Under Grad 2(2,0) 3rd UiTM</li> <li>• Pharmaceutical Analysis PHC563 Under Grad 3(3,0) 4th UiTM</li> <li>• Pharmacognosy PHC614 Under Grad 3(3,0) 5th UiTM</li> <li>• Medicinal Chemistry II PHC 613 (Medicinal Chemistry Under Grad 3(3,0) 7th UiTM</li> </ul>
8	<b>RESEARCH INTERESTS/ PROJECTS</b>	<ul style="list-style-type: none"> <li>• Modern method applications in Nuclear Magnetic Resonance (NMR) spectroscopy.</li> <li>• Exploring bioactive secondary metabolites from Plant, Soil and Marine Endophytic fungi. (Using Dereplication and OSMAC)</li> <li>• Biotransformation of exogenous substrates using microorganisms and plant tissue cultures.</li> <li>• Identification of Fungi. DNA extraction etc.</li> <li>• Modern method applications in nuclear magnetic resonance (NMR) spectroscopy and LC-MS.</li> <li>• Biological screening using antimicrobial assays.</li> </ul> <p>Design and execution of multi-step organic syntheses</p>
9	<b>PUBLICATIONS</b>	<p><b><u>E-Books/Chapters</u></b></p> <p>[1] <b>Sadia, Sultan.</b> "Bioactive Polyesters in Marine and Plant Endophytic Fungi" (<b>Chapter</b>) in Polyester</p>

		<p>Book In TECH 2012 .(Scopus cited),  <a href="http://www.intechopen.com/articles/show/title/bioactive-polyesters-in-marine-and-plant-endophytic-fungi">http://www.intechopen.com/articles/show/title/bioactive-polyesters-in-marine-and-plant-endophytic-fungi</a></p> <p>[2] Pharnaceutical Organic Chemistry I (E Text Book for Pharmacy Students), Pearson Malaysia Sdn Bhd, Choo. Che.Yen., Ibtisam Abdul Wahab, <b>Sadia Sultan</b>, Syed AdnanAli Shah <b>2013</b> (Scopus cited).</p> <p>[3] Pharnaceutical Organic Chemistry II (E Text Book for Pharmacy Students), Pearson Malaysia Sdn Bhd, Choo. Che.Yen., Ibtisam Abdul Wahab, <b>Sadia Sultan</b>, Syed AdnanAli Shah <b>2013</b> (Scopus cited)</p> <p>[4] Pharnaceutical Organic Chemistry II (Work book for Pharmacy Students), Pearson Malaysia Sdn Bhd, <b>SadiaSultan</b>, Syed AdnanAli Shah, Choo. Che.Yen., Ibtisam Abdul Wahab <b>2014</b> (Scopus cited).</p> <p>[5] <b>Sadia Sultan</b>. “Molecular Docking studies of Enzyme Inhibitors Chemical Entities  <b>Chapter</b> in Molecular Docking. Book In TECH <b>2018</b>  <a href="http://dx.doi.org/10.5772/intechopen.76891">http://dx.doi.org/10.5772/intechopen.76891</a>.(Scopus cited).</p> <p>[6] <b>Sadia Sultan*</b>, <b>Gurmeet Kaur Surindar Singh*</b>, <b>Kamran Ashraf</b>, <b>Muhammad Ashraf</b>, “Biotransformation of Steroids: Accelerating Discovery of New Drugs In the Pharmaceutical Industry” Chapter in “Steroids and their medicinal Potential” Reference#: BMS-SATMP-2022-HT1-4081-1 <b>2023</b>.  <a href="https://drive.google.com/open?id=1Bgc9C4qnwz5mVDLk3BOwgmWGPhE252gb&amp;usp=drive fs">https://drive.google.com/open?id=1Bgc9C4qnwz5mVDLk3BOwgmWGPhE252gb&amp;usp=drive fs</a>  :</p> <p>[7] <b>Pharnaceutical Organic Chemistry I (E</b></p>
--	--	---

Text Book for Pharmacy Students),  
Pearson Malaysia Sdn Bhd, Choo.  
Che.Yen., Ibtisam Abdul Wahab, Sadia  
Sultan, Syed AdnanAli Shah 2013  
(Scopus cited).

[8] Pharnaceutial Organic Chemistry II (E  
Text Book for Pharmacy Students),  
Pearson Malaysia Sdn Bhd, Choo.

[9] Che.Yen., Ibtisam Abdul Wahab, Sadia  
Sultan, Syed AdnanAli Shah 2013  
(Scopus cited)

[10] Pharnaceutial Organic Chemistry II  
(Work book for Pharmacy Students),  
Pearson Malaysia Sdn Bhd, Sadia  
Sultan, Syed AdnanAli Shah, Choo.  
Che.Yen., Ibtisam Abdul Wahab 2014  
(Scopus cited).

**Research Journal:**

[1] Ayesha Rafiq · Sana Aslam, Matloob Ahmad ·  
Muhammad Shahid Nazir · Ambar Farooq · Sadia Sultan. Recent  
synthetic approach Recent synthetic approaches towards  
thienothiophenes: a potential template for biologically active  
compounds. Molecular Diversity (Q2) 2023  
<https://doi.org/10.1007/s11030-023-10647-1>. Scopus Q2 impact  
factor 3.36].

[2] ShakeelAhmad, MatloobAhmad\*, MuhammadKhalid,  
MuhammadShafiq, Muhammad NadeemArshad, SadiaSultan\*,  
Abdullah M.Asiri\*, Atualpa A.C.Braga, Khalid A.Alamry.  
Casting light on synthetic, SC-XRD and quantum mechanical  
studies for 2,1-benzothiazine based bis-adducts Journal of  
Molecular Structure 2023, 1272, 134193 [Scopus Q2 impact  
factor 3.57].

[3] Sadia Sultan\*, Nurhuda Aqilah Mohamad Hasruzairin, Nur Amirah Khirul Anuar, Syed Adnan Ali Shah, Kamran Ashraf, Gurmeet Kaur Surindar Singh Biotransformation of Antibiotic using Tropical Versus Psychrotolerant Fungi as Biocatalyst. Malaysian Journal of Medicine and Health Sciences Vol.19 Supp 7, 67- 68, June **2023** (eISSN 2636-9346). [Scopus Q4 impact factor 0.139].

[4] Mohammad Jameel, Abuzer Ali, Wasim Ahmad, Mohd Faiyazuddin, Md Rafiul Haque, Rampratap Meena, Sadia Sultan, Kamran Ashraf, Traditonal Uses and Phytopharmacological Analysis of Ancient and Lucrative Traditional Plants Lavandula stoechas L. and Lavandula officinalis Chaix. Pharmacogn. Res., **2023**; 15(4):1- 8.

[5] Nur Amirah Khirul Anuar, Mufeda Ahmed H. Gazem, Sadia Sultan, Hannis Fadzilah Mohsin, Syed Adnan Ali Shah Microbial Biotransformation of Synthetic Hormone Drugs and Bioactivities of Its Transformed Products. Malaysian Journal of Medicine and Health Sciences Vol.19 Supp 7, 59-60, June **2023** (eISSN 2636-9346). [Scopus Q4 impact factor 0.139].

[6] Furqan Ahmad Saddique, Matloob Ahmad \*, Usman Ali Ashfaq, Muhammad Muddassar, Sadia Sultan and Magdi E. A. Zaki, Identification of Cyclic Sulfonamides with an N-Arylacetamide Group as  $\alpha$ -Glucosidase and  $\alpha$ -Amylase Inhibitors: Biological Evaluation and Molecular Modeling Pharmaceuticals (MDPI), **2022**, 15, 106. <https://doi.org/10.3390/ph15010106>. (Q1).

[7] Sadia Sultan \*, Khairun Azwani Mohd Ali, Noor Dayana Mohamed Akram, Kamran Ashraf, Muhammad Ashraf, and Gurmeet Kaur Surindar Singh Antimicrobial Activity of Secondary Metabolites Isolated from

Endophytic Fungi Associated with Rubiaceae Species, International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science (**2022**) Vol 5(1) 33-47. <https://doi.org/10.24191/IJPNaCS.v5i1.03>.

[8] Nadia Anuar, Sadia Sultan, Kamran Ashraf, An Overview of Antimicrobial and Antioxidant Bioautography Method Analysis: Cosmos caudatus and Orthosiphon stamineus, International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science (**2022**) Vol 5(1) 1-12. <https://doi.org/10.24191/IJPNaCS.v5i1.01>.

[9] Farhat Ibraheem, Usman Ali Ashfaq, Matloob Ahmad\*, Nasir Rasool, Syed Ali Raza Naqvi, Muhammad Muddassar, Sana Aslam, Sadia Sultan\*, Magdi E.A. Zaki. Synthesis of Benzimidazole Based Thiosemicarbazone Derivatives as a Potent Acetylcholinesterase Inhibitors

Pharmaceuticals (MDPI), 2022-2023 (Q1). Submitted Nov 2022 under Review.

[10] Kamran Ashraf, Sadia Sultan..., Recent update with Recent update with phyto-pharmacological review of ancient and lucrative traditional plants *Lavandula stoechas* L., and *Lavandula officinalis* ChaixChaix, Journal of Pharmaceutical Negative Results, 2022-2023 (ACCEPTED).

[11] Sharifah Nurfazilah Wan Yusop, Sadia Sultan\* Syahrul Imran Abu Bakar, Kamran Ashraf, Mohd Ilham Adenan, Biocatalytic, modifications of ethynodiol diacetate by fungi, anti-proliferative activity, and acetylcholinesterase inhibitory of its transformed products Journal of Steroids, 171, 2021. (108832) (Q2) (Scopus indexed, IF2019 = 2.5).

[12] Imran Ahmad Khan, Matloob Ahmad, \*, Usman Ali Ashfaq, Sadia Sultan, \* and Magdi E.A. Zaki, Discovery of Amide-Functionalized Benzimidazolium Salts as Potent  $\alpha$ -Glucosidase Inhibitors, *Molecules*, 2021, 26, 4760 (Q1).

[13] Kamran Wilayat, Matloob Ahmad, \*, Usman Ali Ashfaq, Zulfiqar Ali Khan, Sadia Sultan \*. Synthesis and  $\alpha$ -glucosidase inhibition studies of norfloxacin-acetanilide hybrids, Pakistan Journal of Pharmaceutical Science 2021 JPS.2021.34.5SUP.1909-1915. (Q3)

[14] Kamran Ashraf, Mohd Rafiul Haque, Mohd Ami3, Niyaz Ahmad, Wasim Ahmad, Sadia Sultan, Syed Adnan Ali Shah, Ahmed Mahmoud Alafeefy, Mohd Mujee, Muhammad Fikriy Bin Shafie, An Overview of Phytochemical and Biological Activities: *Ficus deltoidea* jack and Other *Ficus* spp. Journal of Pharmacy and BioScience Allied 2021, 13, 11-25 (Q2).

[15] Furqan Ahmad Siddique, Sana Aslam, Matloob Ahmad, Usman Ali Ashfa, Muhammad Muddassar, Sadia Sultan, Saman Taj, Muzammil Hussain, Dae Sung Lee and Magdi E. A. Zaki, Synthesis and alpha- Glucosidase Inhibition of 2-[3-(Benzoyl/4-bromobenzoyl)-4-hydroxy-1,1-dioxido-2Hbenzo [e] [1,2]thiazin-2-yl]-N- arylacetamides: An In Silico and Biochemical Approach *Molecules*, 2021, 26, 3043. (Q1). <https://doi.org/10.3390/molecules26103043>.

[16] Mohammad Humayoon Amini, Kamran Ashraf, Fatimah Salim, Siong Meng Lim, Kalavathy Ramasamy, Nurhuda Manshoor, Sadia Sultan, Wasim Ahmad, Important insights from the antimicrobial activity 5 of *Calotropis procera*, Arabian Journal of Chemistry, 2021, 14, 103181 (Q1).

[17] Sharifah Nurfazilah Wan Yusop, Sadia Sultan\* Syahrul Imran Abu Bakar, Mohd Ilham Adenan, Medroxyprogesterone derivatives from microbial transformation

as anti-proliferative agents and acetylcholinesterase inhibitors (combined in vitro and in silico approaches), *Journal of Steroids*, 164, 108735,

2020. <https://doi.org/10.1016/j.steroids.2020.108735> (Scopus indexed, IF2019 = 2.5).

[18] Afshan Kanwal, Saif Ullah, Matloob Ahmad, Julie Pelletier, Sana Aslam, Sadia Sultan, Jean Sévigny, Mazhar Iqbal, and Jamshed Iqbal, Synthesis and Nucleotide Pyrophosphatase/Phosphodiesterase Inhibition Studies of Carbohydrazides Based on Benzimidazole-Benzothiazine Skeleton, *Chemistry Select* 2020, 5, 14399–14407. [doi.org/10.1002/slct.2020](https://doi.org/10.1002/slct.2020)

[19] Ayesha Malik, Nasir Rasool, Iram Kanwal, Muhammad Ali Hashim, Ameer Fawad Zahoor, Gulraiz Ahmad, Syed Adnan Ali Shah, Sadia Sultan and Zainul Amiruddin Zakaria, Suzuki-Miyaura Reaction of (4-bromophenyl)-4,6- dichloropyrimidine through Commercially Available Palladium Catalyst: Synthesis, Optimization and Their Structural Aspects Identification through Computational Studies, *MDPI, Processes* 2020, 8, 1342.

[20] Kamran Wilayat, Matloob Ahmad, Azhar Rasu, Muhammad Nadeem Arshad, Sadia Sultan, Abdul Hameed, Abdullah Synthesis, characterization and antimicrobial activity of norfloxacin based acetohydrazides, *Pakistan Journal of Pharmaceutical Sciences* 2020 020.33.2.SUP.855-860.1

[21] Farhat Ibraheem , Matloob Ahmad, Saba Aslam, Sadia Sultan Synthesis, molecular docking and anti-diabetic studies of novel benzimidazole-pyrazoline hybrid molecules *Pakistan Journal of Pharmaceutical Sciences* 2020 JPS.2020.33.2.SUP.847-854.1

[22] Kamran Ashraf, Hasseri Halim, Siong Meng Lim, Kalavathy Ramasamy, Sadia Sultan, In vitro antioxidant, antimicrobial and antiproliferative study of four different extracts of three Malaysian plants, *Saudi Journal of Biological Sciences* 2020 27, 417–422.

[23] Shakeel Ahmad, Saquib Jalil, Sumera Zaib , Sana Aslamc , Matloob Ahmad, , Azhar Rasul , Muhammad Nadeem Arshad, Sadia Sultan, Abdul Hameed, Abdullah M. Asirie, Jamshed Iqbal Synthesis, X-ray crystal and monoamine oxidase inhibitory activity of 4,6- dihydrobenzo[c]pyrano[2,3-e][1,2]thiazine 5,5-dioxides: In vitro studies and docking analysis, “*European Journal of Pharmaceutical Sciences*” 2019 131 9-22. (Scopus indexed IF2012 = 3.74). Q1

[24] Muhammad Taha, Sadia Sultan, Syahrul Imran, Fazal Rahimd, Khalid Zamand, Abdul Wadoode, Ashfaq Ur Rehmane, Nizam Uddin, Khalid Mohammed Khan Synthesis of quinoline

derivatives as diabetic II inhibitors and molecular docking studies, "Bioorganic and Medicinal Chemistry", 27 2019, 4081–4088.

[25] Muhammad Taha\*, Sadia Sultan\*, Muhammad Herizal, M. Qaiser Fatmi Manikandan Selvaraj, Kalavathy Ramasamy, Sobia Ahsan Halim, Siong Meng Lim, Fazal Rahim, Kamran Ashraf, Adeeb Shehzad, Synthesis, anticancer, molecular docking and QSAR studies of benzoylhydrazone, "Journal of Saudi Chemical Society" 2019 23, 1168-1179.

[26] Furqan Ahmed, Sumera Zaib, Saquib Jalil, Sana Aslam, Matloob Ahmed, Sadia Sultan, Humera Naz, Mazher Iqbal, Jamshed Iqbal, "Synthesis monoamine oxidase inhibition activity and molecular docking studies of novel 4-hydroxy-N'-[benzylidene or 1-phenylethylidene]-2-H/methyl/benzyl/-1,2-benzothiazine-3-carbohydrazide 1,1- dioxides, "European Journal of Medicinal Chemistry" 2018 143 1373-1386. (Scopus indexed IF2012 = 4.5). Q1.

[27] Muhammad Taha, Syed Adnan Ali Shah, Muhammad Afifi, Syahrul Imran, Sadia Sultan, Fazal Rahim, Khalid Mohammed Khan. Synthesis,  $\alpha$ -glucosidase inhibition, and molecular docking study of coumarin based derivatives. Bioorganic Chemistry 2018; 77: 586-592 (Scopus indexed, IF2016 = 3.231).

[28] Muhammad Taha, Syed Adnan Ali Shah, Muhammad Afifi, Syahrul Imran, Sadia Sultan, Fazal Rahim, Hayat Ullah, Nor Hadiani Ismail, Khalid Mohammed Khan. Synthesis, Molecular Docking Study and Thymidine Phosphorylase Inhibitory Activity Of 3-Formylcoumarin Derivatives. Bioorganic Chemistry 2018, 78: 17-23 (Scopus indexed, IF2017 = 3.231).

[29] Shakeel Ahmad Sumera Zaib, Saquib Jalil, Muhammad Shafiq, Matloob Ahmad, Sadia Sultan, Mazhar Iqbal, Sana Aslam, Jamshed Iqbal, Synthesis, characterization, monoamine oxidase inhibition, molecular docking and dynamic simulations of novel 2,1-benzothiazine-2,2-dioxide derivatives. Bioorganic Chemistry 2018, 80: 498- 510 (Scopus indexed, IF2016 = 3.231).

[30] Kamran Ashraf, Sadia Sultan Aishah Adam, Orthosiphon stamineus Benth. is an Outstanding Food Medicine: Review of Phytochemical and Pharmacological Activities. Journal of Pharmacy and BioAllied Sciences 2018, 10 (3) OPUBS.

[31] Kamran Ashraf, Sadia Sultan, "A comprehensive review on Curcuma longa Linn.: Phytochemical, pharmacological, and molecular study", International Journal of Green Pharmacy, Oct-Dec 2017 (Suppl) • 11 (4) | S1.

[32] Muhammad Taha, Shah, S.A.A, Muhammad Afifi, Sadia Sultan, Nor Hadiani Ismail, "Morpholine hydrazone scaffold:



synthesis, anticancer activity and docking studies Chinese Chemical Letters (CCL). 2017 28, 607- 611. Q2

[33] Saira Erum, Sadia Sultan\*, S. Shah, S.A.A. Ashraf, M. Choudhary, M.I.; Microbial oxidation of finasteride with *Macrophomina phaseolina* (KUCC730), *Int. J. Pharm. Pharm. Sci.* 2017 Vol 9 Issue 11, 17-20 (Scopus

indexed, IF2013 = 0.58).

[34] Muhammad Taha□, Sadia Sultan□, Muhammad Azlan, Shah, S.A.A, Muhammad Nadeem Akhtar, Seema Zareen, Syahrul Imran Nor Hadiani Ismail Synthesis of a series of new 6-Nitrobenzofuran-2-Carbohydrazide derivatives with Cytotoxic and Antioxidant activities, *New Horizon in Translational Medicine*, 2017, 4, 23-30.

[35] Kamran Ashraf, Sadia Sultan, Syed Adnan Ali Shah, Chemistry, Phytochemical, Pharmacology and molecular study of *Zingiber Officinale* Roscoe: A Review, *Int. J. Pharm. Pharm. Sci.* 2017 Vol 9 Issue 11, 8-16 (Scopus indexed, IF2013 = 0.58).

[36] Muhammad Taha□, Sadia Sultan□, Muhammad Herizal, Shah, S.A.A Nor Hadiani Ismail Synthesis and biological evaluation of novel N-arylidenequinoline-3- carbohydrazides as potent  $\beta$ -glucuronidase inhibitors, *Bioorganic Medicinal Chemistry*, (2016), 4, 3596-3704. (Scopus indexed, IF2015 = 2.98)

[37] Zara Sajid, Matloob Ahmad\*, Sana Aslam, Usman Ali Ashfaq, Ameer Fawad Zahoor, Furqan Ahmad Saddique, Masood Parvez, Abdul Hameed, Sadia Sultan, Hsaine Zgou and Taibi Ben Hadda Novel armed pyrazolobenzothiazine derivatives: synthesis, X-ray crystal structure and POM analyses of biological activity against drug resistant clinical isolate of *Staphylococcus aureus*, *Pharmaceutical Chemistry Journal*, 2016, Vol 50 (3).

[38] Sharifah nurfazilah, Sadia Sultan, Syed Adnan Ali Shah, Bohari M.Yaminn Humera Naz 11 $\beta$ -Hydroxymedroxyprogesterone . *Acta Cryst. Sec. E* 2016.

[39] Atif, M.; Shah, S.A.A.; Sultan, S.; Choudhary, M.I. Solid phase microbial fermentation of anabolic steroid, dihydrotestosterone with ascomycete fungus *Fusarium oxysporum*. *Int. J. Pharm. Pharm. Sci.* 2015 Vol 7 Issue 4 104-107 (Scopus indexed, IF2013 = 0.55).

[40] Atif, M. Sadia Sultan\*, Shah, S.A.A.Choudhary, M.I.; "Solid phase microbial reactions of sex hormone, trans-androsterone with filamentous fungi". Int. J. Pharm. Pharm. Sci. Vol 7 Issue 17 2015 385-388 (Scopus indexed, IF2013 = 0.38)

[41] Sadia Sultan, Lin Sun, John W. Blunt, Anthony L. J. Cole, Murray H. G. Munro, Kalavathy Ramasamy, Jean- Frédéric F. Weber. Evolving trends in the dereplication of natural product extracts. 3: Further lasiodiplodins from Lasiodiplodia theobromae, an endophyte from Mapania kurzii. Tetrahedron Lett 55 (2014) 453–455. (Scopus indexed, IF2012 = 2.40).

[42] Ei Hassane Anouar,; Zuhra Bashir, Manar Zulkefelee,; Mizaton Hazizul Hassan,; Maisarah Mohd,; Rohatya,; Sadia Sultan,; Jean Frederic F, Weber, Antioxidant activity, NMR, Xray, ECD and UV/visible spectra of terrein; Experimental and theoretical approaches, Journal of Molecular Structure, 1060 (2014) 102–110 (Scopus indexed, IF2012 = 1.404).

[43] Sadia Sultan, \*, M. Zaimi bin Mohd Noor, El Hassane Anouar \*, Syed Adnan Ali Shah\*, Fatimah Salim, Rohani Rahim, Zuhra Bashir Khalifa Al Trabolsy and Jean-Frédéric F. Weber. Structure and Absolute configuration of 20 $\beta$ -hydroxy prednisolone a biotransformed product of prednisolone by a marine endophytic fungus Peniciliumlapidosum: Experimental and DFT approaches International Journal of Molecule Sciences (2014), 19, 13775-13787 (Scopus IF = 2.4).

[44] Sultan, S\*, Atif, M, Shah, S.A.A.; Choudhary, M.I. "Microbial Metabolism of an anti-HIV and anti-Malarial Natural Product Andrographolide" Int. J. Pharm. Pharm. Sci. Vol 6 Issue 11, 195- 198, Dec 2014.

[45] Sadia Sultan, Muhammad Taha, Syed Adnan Ali Shah, Bohari M.Yaminn Hamizah Mohd Zaki (E)-3-Chloro- N'-(2-fluorobenzylidene)thiophene-2- carbohydrazide . Acta Cryst. Sec. E 2014 (Scopus indexed, IF2012 = 0.347)

[46] M.I Choudhary, Muhammad Atif\*, Syed Adnan Ali\*, Sadia Sultan\*, Saira Erum, Atta-ur-Rheman. Biotransformation of dehydroabietic acid with microbial cell cultures and  $\alpha$ -Glucosidase inhibitory activity of resulting metabolites, Int. J. Pharm. Pharm. Sci. 2014, 6, issue 7,375-378 (Scopus indexed, IF2012 = 0.38) ISSN- 0975-1491.

- [47] Syed Adnan Ali Shah \*, Tan Huey Ling \*, Sadia Sultan \* Muhammad Afifi Bin Mohd Faridz, Mohamad Azlan Bin Mohd Shah, Sharifah nurfazilah, Munawar Hussain, Microbial-catalyzed biotransformation of multifunctional triterpenoids derived from phytonutrients, *Int. J. Mol. Sci.* 2014, 15, 12027-12060 (Scopus IF = 2.4).
- [48] Taha, M.; Shah, S.A.A.; Sultan, S.; Ismail, N. H.; Yousuf, S. "2-[[2-(2-Hydroxy-5-methoxybenzylidene) hydrazin-1-ylidene] methyl]-4-methoxyphenol" *Acta Cryst. Sec. E* 2014, o1312014 (ISSN 1600-5368) (Scopus indexed, IF2012 = 0.347).
- [49] Rasha Saad, NurAsyikin, JiyauddinKhan, Samer Aldahlli, SadiaSultan, JunainahAbdulhamid, Eddy Yusuf2, FadliAsmani "Determination of minimum inhibitory concentration utilizing microtitreplate bioassay for three malaysian herbal medicines" *Int.J.A.PS.BMS* , 2014, Vol.3.(1) ,280-290, (ISSN-2277-9280).
- [50] Rasha Saad, Tan Pohyeen, JiyauddinKhan Li Wenji, SadiaSultan, Junainah AbdulHameed, Eddy Yusuf, MohdFadli, "Phytochemical screening and antioxidant activity of different parts from five malaysian herbs" *The Experiment*, 2014, Vol. 19(2), 1336-1347 (ISSN-2319-2119).
- [51] Sadia. Sultan\*, M. I. Choudhary, Shamsun Nahar Khan Urooj Fatima, Rahat Azhar Ali, Muhammad Atif, Atta- ur-Rahman and M. Qaiser Fatmi, Fungal Transformation of Cedryl Acetate and Alpha-Glucosidase Inhibition Assay, Quantum Mechanical Calculations and Molecular Docking Studies of its Metabolites "European Journal of Medicinal Chemistry" 2013 62, 764-770. (Scopus indexed IF2012 = 4.5).
- [52] Shah, S.A.A.; Sultan, S.; Hassan, N.B.; Muhammad, F.K.B.; Faridz, M.A.B.M.; Hussain, F.B.M.; Hussain, M.; Adnan, H.S.; "Biotransformation of 17 $\alpha$ -Ethylnyl substituted steroidal drugs with microbial and plant cell cultures: A Review" *Steroids*, 2013, 78 (14), 1312-1324. (Scopus indexed, IF2012 = 2.803).
- [53] Shah, S.A.A.; Sultan, S.; Zaimi, M. "Biotransformation of tissue-specific hormone tibolone with fungal culture *Trichothecium roseum*" *Journal of Molecular Structure*, 2013, 1042, 118-122. (Scopus indexed, IF2012 = 1.404).
- [54] Shah, S.A.A.; Sultan, S.; Adnan, H.S. "A whole cell biocatalysis application of steroidal drugs" *Orient. J. Chem.*, 2013, 29(2), 389-403. (Scopus indexed).
- [55] Sultan, S\*.; Ghani N. A.; Shah, S.A.A.; Ismail, N. H.; Noor, M. Z.; Naz, H. "Microbial transformation of anthraquinones-A Review" *Biosci. Biotechnol. Res. Asia.*, 2013, 10(2).

		<p>[56] Shah, S.A.A.; Sultan, S.; Adnan, H.S.; "Solid Phase Microbial Transformation of Cortexolone and Prolyl endopeptidase Inhibitory Activity of the Transformed Products" <i>Int. J. Pharm. Pharm. Sci.</i> 2011, 3, Suppl 1, 1- 6 (Scopus indexed, IF2012 = 0.38).</p> <p>[57] Sultan, S*.; Shah, S.A.A.; Sun, L.; Ramasami, K.; Cole, A.; Blunt, John.; Munro, M.; Weber, J.F.F.; "Bioactive Fungal Metabolites of 9PR2 Isolated From Roots of <i>Callophyllum Ferrugineum</i> " <i>Int. J. Pharm. Pharm. Sci.</i> 2011, 3, Suppl 1, 7-9 (Scopus indexed, IF2012 = 0.38).</p> <p>[58] Gerardo M, Casanola-Martin, Yovani Marrero-Ponce, Mahmmud Tareq Hassn Khan, Arjumand Ather, Sadia Sultan, Francisco Torrens and Rechard Rotondo, TOMOCOMD-CARD description-based virtual screening of tyrosinase inhibitors: Evaluation of different classification model combinations using bond-based linear indices, <i>Bioorganic and Medicinal Chemistry</i> 15, 1483-1503, 2007. (Scopus indexed, IF2010 = 2.9)</p> <p>[59] M. I. Choudhary, S. Sultan, M. T. Hassan and Atta-ur-Rahman Metabolism of 17<math>\beta</math>-Ethyanyl-and 17<math>\beta</math>- Ethylsteroids, <i>Steroids</i>, 70, 792-800, 2005. (Scopus indexed, IF2010 = 2.8).</p> <p>[60] M. Iqbal Choudhary, S. Sultan, S. Jalil, S. Anjum, A. A. Rahman, H. K. Fun, and Atta-ur-Rahman Microbial Transformation of Mesterolone. <i>Chemistry &amp; Biodiversity</i> 2, 392-400 2005. (Scopus indexed, IF2010 = 1.92).</p> <p>[61] M. I. Choudhary, S. Sultan, M. T. Hassan A. Yasin, F. Shaheen and Atta-ur-Rahman, Biotransformation of (+)- Androst-4-ene-3, 17-dione, <i>Nat. Prod. Res.</i> 18, 529 2004. (Scopus indexed, IF2010 = 0.90)</p> <p>[62] M. I. Choudhary, S. Sultan, M. Yaqoob, S. G. Musharraf, A. Yasin, F. Shaheen and Atta-ur-Rahman, Microbial Transformation of Cortisol and prolyl endopeptidase activity of transformed products, <i>Nat. Prod. Res.</i> 17, 389, 2003. (Scopus indexed, IF2010 = 0.90)</p> <p>[63] S. G. Musharraf, Atta-ur-Rahman, M. I. Choudhary and S. Sultan, Microbial Transformation of (+)- Adrenosterone, <i>Nat. Prod. Lett.</i> 16, 345 (2002). (Scopus indexed, IF2005 = 1.0).</p>
10	RESEARCH GRANTS	<p>1 Principal Investigator: Unravelling the mechanisms of Andrographolide derivatives in metastasis breast cancer using MDA-MB-231 cells induced xenograph model. 600-IRMI/FRGS 5/3 (059/2022), RM 182,966.00, <b>2022-2024</b>.</p> <p>2 Principal Investigator: Mechanistic studies to understand metastasis breast cancer: towards the effects of microbial derivatives of testosterone propionate on MDA-MB 231 cell</p>

migration. 600-RMC/KEPU 5/3 (008/2023), RM 40000, **2023-2024.**

3 Co-Researcher: Elucidating the Neuroprotective Signalling Cascade of Nestorone®, a Synthetic Progestin, in Modulating Alzheimer's Disease 600-IRMI/FRGS 5/3( /2023), RM 158,107.00, **2023-2026**

4 Principal Investigator: Green Chemistry Reactions Using Microbial Reactions. 600-IRMI/REI 5/3(020/2018) Ist Sep 2018-29 Feb 2021, RM 32,000.00.

5 Co-Researcher: Structural Insights into the Diverse Interaction Mechanisms of Thymidine Phosphorylase Inhibitors Using TROSY-NMR, OPLS-DA and MD simulations. 600-IRMI/FRGS 5/3 (424/2019), RM 187,400.00, **2019-2022.**

6 Co-Researcher: Absolute Structural Determination of Quinovic acid Triterpenes Using Experimental and Theoretical Vibrational Circular Dichorism Analysis, 600-IRMI 5/3/LESTARI (025/2019), RM 3,2000, **2019- 2022.**

7 Principal Investigator: Elucidation of Microbial Biotransformed Mechanism of Antitumour Agents Using Metabolomics and Gene Expression Analysis 600-IRMI/FRGS/5/3/(0119/2015) Aug 2016-Jul 2018, RM 103,000.00.

8 Co-Researcher: unravelling the changes in phase ii enzymes and neurosteroid metabolism during the progression of Alzheimer disease using tg2576 mice. 600-RMI/FRGS 5/3 (28/2015) FEB 2015-JAN 2018, RM 149,700.00

9 Principal Investigator: Uncovering the Mechanisms of Microbial Biotransformed Antitumour Agents Using Metabolomics and Gene Expression Analysis 600-RMI/DANA/5/3/LESTARI (92/2015) Dec 2015-Nov 2017, RM 20,000

10 Co-Researcher: Elucidation of binding mechanism of  $\alpha$ -glucosidase inhibitors using a combined molecular dynamic, STD-NMR, and CORCEMA-STD. FRGS/1/2015/SG05/UITM/02/6, Nov. 02, 2015-Nov. 01, 2017, RM 140,200.00.

		<p>11 Principal Investigator: Role of Fungi in the Structural Modification of Selected Classes of Natural Products. 600-IRMI/DANA/5/3/RIF (39/2025), 2012-May. 2014-April, RM 23,000.</p> <p>12 Principal Investigator: Dereplication Approach for the Identification of Biotransformed Products of Anthraquinone Crude Extracts Part 2. ERGS -600-RMI/DANA 5//PSI (236/2013) UiTM (2013-2015) Grant approved: RM 60,000.00(PSI Principal Investigator Support Initiative)</p> <p>13 Principal Investigator: Dereplication Approach for the Identification of Biotransformed Products of Anthraquinone Crude Extracts. ERGS Phase 04/2012) UiTM (2012-2014) Grant approved: RM 71,0000.</p> <p>14 Co-Researcher: phytochemical investigations of syzigium filiform var filiform. 600-RMI/DANA 5/3/RIF (347/2012) AUGUST 2012-JULY 2014, RM 30, 000</p> <p>15 Co-Researcher: Bioassay-Guided Isolation of Alpha-Glucosidase Inhibitors from Marine-Derived Fungi. (Dana Kecemerlangan Fasa 03/2009). Dana Kecemerlangan UiTM (2010-2011) Grant approved: RM30, 000.</p> <p>16 Principal Investigator: Malaysian Endophytes for the Development of New Green Chemistry Reactions and Syntheses. EScience /MOSTI (2008-2011) Grant approved: RM 182,000.00.</p>
<p><b>11</b></p>	<p><b>AWARDS</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Pharm IIDEX 2023 (Faculty Pharmacy UiTM)</li> <li>• Gold Award: 1</li> <li>• Bronze Award: 2</li> <li><input type="checkbox"/> IIDEX 2022 (UiTM)</li> <li>• Silver Award: 1</li> <li>• Bronze Award: 2</li> <li><input type="checkbox"/> Pharm IIDEX 2022 (Faculty Pharmacy UiTM)</li> <li>• Gold Award: 1</li> <li>• Bronze Award: 1</li> <li>• Silver Award: 1</li> <li><input type="checkbox"/> Pharm IIDEX 2021 (Faculty Pharmacy UiTM)</li> </ul>

		<ul style="list-style-type: none"> <li>• Silver Award: 2</li> <li>• Bronze Award: 1</li> </ul> <p>☐ IDEX 2021 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2021</p> <ul style="list-style-type: none"> <li>• Bronze Award: 2</li> </ul> <p>☐ IDEX 2019 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2019 (RIBU UiTM Shah Alam Malaysia).</p> <ul style="list-style-type: none"> <li>• Silver Award:1</li> <li>• Bronze Award: 1</li> </ul> <p>☐ Pharm IDEX 2020 (Faculty Pharmacy UiTM)</p> <ul style="list-style-type: none"> <li>• Silver Award: 4</li> <li>• Bronze Award: 1</li> </ul> <p>☐ IDEX 2019 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2019 (RIBU UiTM Shah Alam Malaysia).</p> <ul style="list-style-type: none"> <li>• Bronze Award: 2</li> </ul> <p>☐ Pharm IDEX 2018 (Faculty Pharmacy UiTM)</p> <ul style="list-style-type: none"> <li>• Bronze Award: 1</li> </ul> <p>☐ Pharm IDEX 2019 (Faculty Pharmacy UiTM)</p> <ul style="list-style-type: none"> <li>• Gold Award: 2</li> </ul> <p>☐ IDEX 2019 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2019 (RIBU UiTM Shah Alam Malaysia).</p> <ul style="list-style-type: none"> <li>• Silver Award:1</li> <li>• Bronze Award: 1</li> </ul> <p>☐ IDEX 2018 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2018 (RIBU UiTM Shah Alam Malaysia).</p> <ul style="list-style-type: none"> <li>• Gold Award:1</li> <li>• Bronze Award: 1</li> </ul>
--	--	--

		<p><input type="checkbox"/> IDEX 2017 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2017 (RIBU UiTM Shah Alam Malaysia).</p> <ul style="list-style-type: none"> <li>• Silver Award: 2</li> <li>• Bronze Award :1</li> <li>• Bronze Award PERCIPTA 2017. (1)</li> </ul> <p><input type="checkbox"/> IDEX 2016 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 6 (RIBU UiTM Shah Alam Malaysia).</p> <ul style="list-style-type: none"> <li>• Bronze Award.</li> </ul> <p><input type="checkbox"/> IDEX 2015 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2015 (RIBU UiTM Shah Alam Malaysia).</p> <ul style="list-style-type: none"> <li>• Gold Award (1).</li> <li>• Silver Award (3).</li> <li>• Bronze Award (2).</li> <li>• Bronze Award PERCIPTA 2015. (1)</li> </ul> <p><input type="checkbox"/> ITEX 2014 gold award</p> <p><input type="checkbox"/> IDEX 2014 An International Exposition on Research and Innovation (Research Management Institute UiTM Shah Alam Malaysia)</p> <ul style="list-style-type: none"> <li>• Gold award 2014</li> <li>• Silver award 2014</li> <li>• Silver award 2014</li> <li>• Bronze award (2014)</li> <li>• Bronze award (2014)</li> </ul>											
<b>12</b>	<b>INVOLVEMENT IN PROFESSIONAL ORGANISATION S</b>	<b>Nama Badan Profesional/ Kebajikan / Name of professional bodies/ Community Services</b>	<b>Keahlian / Jawatan / Membership / Position</b>	<b>Tarikh/ Date</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="1117 1394 1318 1457" style="width: 50%;"><b>Mula / Start</b></th> <th data-bbox="1318 1394 1461 1457" style="width: 50%;"><b>Tamat/ End</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="1117 1663 1318 1726" style="text-align: center;"><b>2012</b></td> <td data-bbox="1318 1663 1461 1726" style="text-align: center;"><b>2019</b></td> </tr> <tr> <td data-bbox="1117 1726 1318 1810" style="text-align: center;"><b>2013</b></td> <td data-bbox="1318 1726 1461 1810" style="text-align: center;"><b>2023</b></td> </tr> <tr> <td data-bbox="1117 1810 1318 1873" style="text-align: center;"><b>Jan 2016</b></td> <td data-bbox="1318 1810 1461 1873" style="text-align: center;"><b>April 2020</b></td> </tr> </tbody> </table>		<b>Mula / Start</b>	<b>Tamat/ End</b>	<b>2012</b>	<b>2019</b>	<b>2013</b>	<b>2023</b>	<b>Jan 2016</b>	<b>April 2020</b>
<b>Mula / Start</b>	<b>Tamat/ End</b>												
<b>2012</b>	<b>2019</b>												
<b>2013</b>	<b>2023</b>												
<b>Jan 2016</b>	<b>April 2020</b>												
	Member												
	Member												
	Associate member												



		Society (S3146)			
		ICCBS Alumni	Member	2007	For Life
13	<b>PARTICIPATION IN CONTINUING EDUCATION</b>	<ul style="list-style-type: none"> <li>• 7th International Symposium on National Product Chemistry (Dec. 28. 1997-Jan. 1, 1998, Karachi, Pakistan).</li> <li>• 8th International Symposium on National Product Chemistry (Jan. 18-22, 2000, Karachi, Pakistan).</li> <li>• 7th Eurasia Conference on Chemical Sciences (Mar. 09-12, 2002, Karachi, Pakistan).</li> <li>• 2nd International and 12th National Chemistry Conference (4-6 Feb. 2002).</li> <li>• Pakistan Bangladesh Bi-national Conference on Natural Product Chemistry (24-26 Sep. 2002).</li> <li>• 3rd International and 13th National Chemistry Conference. (28-31 Dec. 2002).</li>   <li>• Workshop on the development of Medicine from Plants (September 8-12, 2003).</li> <li>• 4th International and 14th National Chemistry Conference. (May. 2004).</li> <li>• 5th International and 15th National Chemistry Conference. (24-27 Nov. 2004).</li> <li>• Pak-France Workshop on Natural Product Chemistry (Jan. 14-15, 2004, Karachi, Pakistan).</li> <li>• 9th International Symposium on National Product Chemistry (Jan. 10-13, 2004, Karachi, Pakistan).</li> <li>• 10th International Symposium on National Product Chemistry (2006).</li> <li>• 12th Asian Chemical Congress (12 ACC) (23-25 August 2007) PWTC Kuala Lumpur.</li> <li>• Applied Bioinformatics &amp; Genomics Workshop (a detailed review of MGRCs online bioinformatics applications for beginner-level bioinformatics users) 13 November 2007 University Teknologi MARA (Faculty of Pharmacy)</li> <li>• Asian Mycology Congress (AMC 2007) and Xth International Marine and Freshwater Mycology Symposium (IMFMS) (2-6 Dec 2007) Penang Malaysia.</li> <li>• International Conference on Marine Organisms and their Biomedical Potentials: Expectations and Realizations (18th-20th May 2008) University Malaysia Terengganu (UMT).</li> <li>• Malaysian Natural Product International Seminar (MNPIS) 2009 Silver Jubilee: 23-24 November 2009 University Malaysia Pahang</li> <li>• International Conference for Young Chemists 2010, June 23rd-25th, 2010, Penang, Malaysia.</li> </ul>			

	<ul style="list-style-type: none"> <li>• International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology, May 25th-27th, 2010, KLCC, Kuala Lumpur, Malaysia.</li> <li>• 2010 National Postgraduate Seminar (NAPAS 10') (July 6-7th, 2010, Shah Alam, Malaysia)</li> <li>• The 13th International Symposium on Marine Natural Products. "The Pearls of Marine Natural Products" October 17-22, 2010, Phuket, Thailand.</li> <li>• 24th Malaysia Symposium of Analytical Sciences (SKAMTM-24) 21-23 2011 November: Langkawi Kedah Malaysia.</li> <li>• Academic Conference 2011 University Tecnology MARA 10 th -12 th February UiTM Shah Alam.</li> <li>• Ist International Postgraduate Conference on Pharmaceutical Sciences (iPoPs 2012) 28th – 30th June 2012 Fculty of pharmacy UiTM Puncak Alam Malaysia.</li> <li>• 17th Malaysian Chemical Congress (17MCC) 2012, October 15th-17th, 2012, Putra World Trade Centre, Kuala Lumpur, Malaysia.</li> <li>• International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology (PharmaTech2012). 20-21 November 2012 KLCC, Kuala Lumpur, Malaysia.</li> <li>• 2nd nternational Postgraduate Conference on Pharmaceutical Sciences (iPoPs 2012) 4th-5th June 2012 Faculty of pharmacy UiTM Puncak Alam Malaysia.</li> </ul>
--	--

<b>14</b>	<b>COMMUNITY SERVICES</b>
-----------	---------------------------

<b>Nama Badan Profesional/ Kebajikan / Name of professional bodies/ Community Services</b>	<b>Keahlian / Jawatan / Membership / Position</b>	<b>Tarikh/ Date</b>	
		<b>Mula / Start</b>	<b>Tamat/ End</b>
Jabatan perikanan Negeri Selangor DarulEhsan (Activity Penanaman Pokok Bakau Dan Api- Api Di Pantai Kelanang, Kuala Langat (EAFM)	Member	<b>9th July 2019</b>	<b>9th July 2019</b>
Ramadhan Donation Drive Volunteer Project(JC Bukit Jelutong)	Member	<b>13th April 2021</b>	<b>27th April 2021</b>
Toastmaster (SOPHYS)	Support (Judge)	<b>March 2021</b>	<b>August 2021</b>
Toastmaster (SOPHYS)	Support (Judge)	<b>September 2020</b>	<b>September 2020</b>