

<b>PROFILE</b>		
<b>1</b>	<b>NAME</b>	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, (MALAYSIAN RESIDENT TALENT PASS HOLDER)
<b>5</b>	<b>EDUCATION</b>	<p>Ph.D., Pharmaceutical Sciences (Natural Product Chemistry), 2004            ICCBS, University of Karachi, Karachi, Pakistan</p> <p>M.Sc., Organic Chemistry, 1996            Department of Chemistry, University of Karachi, Pakistan</p> <p>B.Sc. (Hons), Chemistry 1995            Department of Chemistry, University of Karachi, Pakistan</p>
<b>6</b>	<b>WORKING EXPERIENCE</b>	<ul style="list-style-type: none"> <li>• Associate Prof at the Faculty of Pharmacy, University Technology MARA (UiTM), Puncak Alam Campus, Selangor DE, Malaysia (2015-2020).</li> <li>• Senior Lecturer at the Faculty of Pharmacy, University Technology MARA (UiTM), Puncak Alam Campus, Selangor DE, Malaysia (2009-2015).</li> <li>• Lecturer at the Faculty of Pharmacy, UiTM, Puncak Alam Campus, Selangor DE, Malaysia (2006-2009).</li> <li>• One year experience as a chemist in Quality Assurance department of Abbot Pharmaceutical Lab private limited (2005-2006).</li> </ul>
<b>7</b>	<b>CURRENT ACADEMIC RESPONSIBILITIES</b>	<ul style="list-style-type: none"> <li>• Teaching - Undergraduate students</li> <li>• PHC501- Pharmacognosy (Tutorials &amp; Practicals)</li> <li>• PHC403- Pharmaceutical Organic Chemistry I (Lectures, Tutorials &amp; Practicals)</li> <li>• PHC428- Pharmaceutical Organic Chemistry II (Lectures, Tutorials &amp; Practicals)</li> <li>• PHC407- Pharmaceutical Analysis (Tutorials &amp; Practicals)</li> <li>• PHC526-Central nervous System and Pharmacotherapeutics</li> <li>• PHC503-Cardiovascular system Pharmacotherapeutics</li> <li>• PHR555: Research 1 (Research)</li> <li>• Supervise postgraduate research students</li> </ul>

		(Masters & Ph.D.). <ul style="list-style-type: none"> <li>• Course Coordinator (PHC403)</li> </ul>
8	<b>RESEARCH INTERESTS/ PROJECTS</b>	<ul style="list-style-type: none"> <li>• Biotransformation of exogenous substrate using microorganisms and plant tissue cultures.</li> <li>• Exploring bioactive secondary metabolites from Plant, Soil and Marine Endophytic fungi. (Using OSMAC Approach)</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>
9	<b>PUBLICATIONS</b>	<p><i>Current publications (2015-2019)</i></p> <p><b>Book</b></p> <ol style="list-style-type: none"> <li>1. Pharmaceutical Organic Chemistry II (Work book for Pharmacy Students), Pearson Malaysia Sdn Bhd, <b>Sadia Sultan</b>, Syed AdnanAli Shah, Choo. Che.Yen., Ibtisam Abdul Wahab <b>2014</b> (Scopus cited).</li> <li>2. <b>Sadia Sultan</b>. “Molecular Docking studies of Enzyme Inhibitors Chemical Entities Chapter] in <b>Molecular Docking</b>. 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).</li> <li>3. <b>Sadia Sultan</b>, Fungal Pathogenicity, Publisher Intechopen, <b>Editor: 2016</b>. <a href="http://www.intechopen.com/books/fungal-pathogenicity">http://www.intechopen.com/books/fungal-pathogenicity</a></li> </ol> <p><b>Journal article</b></p> <ol style="list-style-type: none"> <li>1. Shakeel Ahmad , Saquib Jalil , Sumera Zaib , Sana Aslamc , Matloob Ahmad , Azhar Rasul , Muhammad Nadeem Arshad, <b>Sadia Sultan</b>, 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, “<i>European Journal of Pharmaceutical Sciences</i>” <b>2019</b> 131 9-22. (Scopus indexed IF<sub>2012</sub> = 3.74). Q1</li> <li>2. Furqan Ahmed, Sumera Zaib, Saquib Jalil, Sana Aslam, Matloob Ahmed, <b>Sadia Sultan</b>, Humera Naz, Mazher Iqbal, Jamshed Iqbal, “ Synthesis monoamine oxidase inhibition activity and molecular docking studies of novel 4-hydroxy-<i>N'</i>-[benzylidene or 1-phenylethylidene]-2-<i>H</i>/methyl/benzyl/-1,2-benzothiazine-3-carbohydrazide 1,1-dioxides, “<i>European Journal of Medicinal Chemistry</i>” <b>2018</b></li> </ol>

		<p>143 1373-1386. (Scopus indexed IF<sub>2012</sub> = 4.5). Q1.</p> <p>3. Muhammad Taha, Syed Adnan Ali Shah, Muhammad Afifi, Syahrul Imran, <b>Sadia Sultan</b>, Fazal Rahim, Khalid Mohammed Khan. Synthesis, a-glucosidase inhibition and molecular docking study of coumarin based derivatives. <i>Bioorganic Chemistry</i> <b>2018</b>; 77: 586-592 (Scopus indexed, IF<sub>2016</sub> = 3.231).</p> <p>4. Muhammad Taha, Syed Adnan Ali Shah, Muhammad Afifi, Syrul Imran, <b>Sadia Sultan</b>, Fazal Rahim, Hayat Ullah, Nor Hadiani Ismail, Khalid Mohammed Khan. Synthesis, Molecular Docking Study and Thymidine Phosphorylase Inhibitory Activity Of 3-Formylcoumarin Derivatives. <i>Bioorganic Chemistry</i> <b>2018</b>, 78: 17-23 (Scopus indexed, IF<sub>2017</sub> = 3.231).</p> <p>5. Shakeel Ahmad Sumera Zaib, Saquib Jalil, Muhammad Shafiq, Matloob Ahmad, <b>Sadia Sultan</b>, 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. <i>Bioorganic Chemistry</i> <b>2018</b>, 80: 498-510 (Scopus indexed, IF<sub>2016</sub> = 3.231).</p> <p>6. Kamran Ashraf, <b>Sadia Sultan</b> Aishah Adam, Orthosiphon stamineus Benth. is an Outstanding Food Medicine: Review of Phytochemical and Pharmacological Activities. <i>Journal of Pharmacy and BioAllied Sciences</i> <b>2018</b>, 10 (3) OPUBS.</p> <p>7. Kamran Ashraf, <b>Sadia Sultan</b>, "A comprehensive review on Curcuma longa Linn.: Phytochemical, pharmacological, and molecular study", <i>International Journal of Green Pharmacy</i>, Oct-Dec <b>2017</b> (Suppl) • 11 (4)   S1.</p> <p>8. Muhammad Taha, Shah, S.A.A, Muhammad Afifi, <b>Sadia Sultan</b>, Nor Hadiani Ismail, "Morpholine hydrazone scaffold: synthesis, anticancer activity and docking studies <i>Chinese Chemical Letters (CCL)</i>. <b>2017</b> 28, 607-611. Q2</p> <p>9. Saira Erum. <b>Sadia Sultan</b>, S. Shah, S.A.A. Ashraf, M. Choudhary, M.I.; Microbial oxidation of finasteride with <i>macrophomina phaseolina</i> (KUCC730), <i>Int. J. Pharm. Pharm. Sci.</i> <b>2017</b> Vol 9 Issue 11, 17-20 (Scopus indexed, IF<sub>2013</sub> = 0.58).</p> <p>10. Muhammad Taha: <b>Sadia Sultan</b>, 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, <i>New Horizon in Translaional Medicine</i>, 2017, 4, 23-</p>
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11. 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, IF<sub>2013</sub> = 0.58).
12. 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 b-glucuronidase inhibitors, *Bioorganic Medicinal Chemistry*, **(2016)**, 4, 3596-3704. (Scopus indexed, IF<sub>2015</sub> = 2.98)
13. 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).
14. Sharifah nurfazilah, **Sadia Sultan**, Syed Adnan Ali Shah, Bohari M.Yaminn Humera Naz 11b-Hydroxymedroxyprogesterone . *Acta Cryst. Sec. E* **2016**.
15. 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, IF<sub>2013</sub> = 0.55).
16. 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, IF<sub>2013</sub> = 0.38)
17. **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, IF<sub>2012</sub> = 2.40).
18. Ei Hassane Anouar,; Zuhra Bashir, Manar Zulkefelee,; Mizaton Hazizul Hassan,; Maisarah Mohd,; Rohatya,; **Sadia Sultan**,; Jean Frederic F, Weber, Antioxidant

		<p>activity, NMR, Xray, ECD and UV/visible spectra of terrein; Experimental and theoretical approaches, <i>Journal of Molecular Structure</i>, 1060 (2014) 102–110 (Scopus indexed, IF2012 = 1.404).</p> <p>19. <b>Sadia Sultan</b>, 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<math>\beta</math>-hydroxy prednisolone a biotransformed product of an prednisolone by a marine endophytic fungus <i>Penicillium lapidosum</i>: Experimental and DFT approaches <i>International Journal of Molecule Sciences</i> (2014), 19, 13775-13787 (Scopus IF = 2.4).</p> <p>20. <b>Sultan, S</b>, Atif, M, Shah, S.A.A.; Choudhary, M.I. “Microbial Metabolism of An anti-HIV and anti-Malarial Natural Product Andrographolide” <i>Int. J. Pharm. Pharm. Sci.</i> Vol 6 Issue 11, 195-198, Dec 2014.</p> <p>21. <b>Sadia Sultan</b>, Muhammad Taha, Syed Adnan Ali Shah, Bohari M.Yamin Hamizah Mohd Zaki (E)-3-Chloro-N'-(2-fluorobenzylidene)thiophene-2-carbohydrazide . <i>Acta Cryst. Sec. E</i> 2014 (Scopus indexed, IF2012 = 0.347)</p> <p>22. M.I Choudhary, Muhammad Atif*, Syed Adnan Ali*, <b>Sadia Sultan</b>*, Saira Erum, Atta-ur-Rheman. Biotransformation of dehydroabietic acid with microbial cell cultures and <math>\alpha</math>-Glucosidase inhibitory activity of resulting metabolites, <i>Int. J. Pharm. Pharm. Sci.</i> 2014, 6, issue 7, 375-378 (Scopus indexed, IF<sub>2012</sub> = 0.38) ISSN- 0975-1491.</p> <p>23. Syed Adnan Ali Shah *, Tan Huey Ling *, <b>Sadia Sultan</b> * Muhammad Afifi Bin Mohd Faridz, Mohamad Azlan Bin Mohd Shah, Sharifah nurfazilah, Munawar Hussain, Microbial-catalyzed biotransformation of multifunctional triterpenoids derived from phytonutrients, <i>Int. J. Mol. Sci.</i> 2014, 15, 12027-12060 (Scopus IF = 2.4).</p> <p>24. 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” <i>Acta Cryst. Sec. E</i> 70 2014, o1312014 (ISSN 1600-5368) (Scopus indexed, IF2012 = 0.347).</p>
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		<p>3. Saira: Chitinophilic and Keratinophilic Fungi As Source of Bioactive Metabolites . Masters <b>2017</b>.</p> <p>4. Rohani Bt Rahim: Molecular Relationship and Biosynthetic Potential of Endophytic Bacteria. Masters <b>2017</b>.</p>
<b>10</b>	<b>RESEARCH GRANTS</b>	<ul style="list-style-type: none"> <li>➤ <b>Principal Investigator:</b> Green Chemistry Reactions Using Microial Reactions. 600-IRMI/REI 5/3(020/2018) <b><u>Ist Sep 2018-31 Aug 2020</u></b>, RM 32,000.00.</li> <li>➤ <b>Principal Investigator:</b> Elucidation of Microbial Biotransformed Mechanism of Antitumour Agents Using Metabolomics and Gene Expression Analysis 600-IRMI/FRGS/5/3/(0119/2015) <b><u>Aug 2016-Jul 2018</u></b>, RM 103,000.00</li> <li>➤ <b>Principal Investigator:</b> Uncovering The Mechanisms of Microbial Biotransformed Antitumour Agents Using Metabolomics and Gene Expression Analysis 600-RMI/DANA/5/3/LESTARI(92/2015) <b><u>Dec 2015-Nov 2017</u></b>, RM 20,000</li> <li>➤ <b>Co-Researcher:</b> Elucidation of binding mechanism of <math>\alpha</math>-glucosidase inhibitors using a combined molecular dynamics, STD-NMR, and CORCEMA-STD. FRGS/1/2015/SG05/UITM/02/6, Nov. 02, <b><u>2015-Nov. 01, 2017</u></b>, RM 140,200.00.</li> <li>➤ <b>Co-Researcher:</b> Unravelling the changes in phase II enzymes and neurosteroid metabolism during the progression of Alzheimer's disease using Tg2576 mice.. FRGS/1/2015/ST04/UITM/03/1, Nov. 02, <b><u>2015-Nov. 01, 2017</u></b>, RM 149,700.00</li> <li>➤ <b>Principal Investigator:</b> Dereplication Approach for the Identification of Biotransformed Products of Anthraquinone Crude Extracts Part 2. ERGS -600-RMI/DANA 5//PSI (236/2013) UiTM (<b><u>2013-2015</u></b>) Grant approved: RM 60,000.00.(PSI = Principal Investigator Support Initiative)</li> </ul>
<b>11</b>	<b>AWARDS</b>	<ul style="list-style-type: none"> <li>➤ <b>IIDEX 2015 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2015 (RIBU UiTM Shah Alam Malaysia).</b> <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> </li> </ul>

		<ul style="list-style-type: none"> <li>➤ <b>IIDEX 2016 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 6 (RIBU UiTM Shah Alam Malaysia).</b> <ul style="list-style-type: none"> <li>➤ Bronze Award .</li> </ul> </li> <li>➤ <b>IIDEX 2017 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2017 (RIBU UiTM Shah Alam Malaysia).</b> <ul style="list-style-type: none"> <li>➤ Silver Award : 2</li> <li>➤ Bronze Award :1</li> <li>➤ Bronze Award PERCIPTA 2017. (1)</li> </ul> </li> <li>➤ <b>IIDEX 2018 INVENTION, INNOVATION &amp; DESIGN EXPOSITION 2018 (RIBU UiTM Shah Alam Malaysia).</b> <ul style="list-style-type: none"> <li>➤ Gold Award:1</li> <li>➤ Bronze Award: 1</li> </ul> </li> <li>➤ <b>Pharm IIDEX 2018 (Faculty Pharmacy UiTM)</b> <ul style="list-style-type: none"> <li>➤ Bronze Award: 1</li> </ul> </li> </ul>
12	<p style="text-align: center;"><b>INVOLVEMENT IN PROFESSIONAL ORGANISATION S</b></p>	<ul style="list-style-type: none"> <li>• Member of Malaysian Natural Product Society.2016-2019.</li> <li>• Member of American Chemical Society. : 30441080. 2012-2019.</li> <li>• Member of Malaysian Pharmaceutical Society (S3146).2015-2019</li> <li>• Member of National Academy of Young Scientists (NAYS) Pakistan. 2016-till present</li> <li>• Research Fellow of Alumni ICCBS Karachi University Pakistan. 2007-Life Member ship.</li> </ul>
13	<p style="text-align: center;"><b>PARTICIPATION IN CONTINUING EDUCATION</b></p>	<ul style="list-style-type: none"> <li>• Member of Organizing Scientific Committee,<b>CCM-JATI Workshop: Health supplements marketing Strategy.</b> Faculty of Pharmacy UiTM Puncak Alam <b>17 November 2018</b></li> <li>• Member of Organizing Scientific Committee <b>1<sup>st</sup> International Conference On Pharmacy Practice (iCoPP)</b> Faculty of Pharmacy UiTM Puncak Alam <b>27-28<sup>th</sup> June 2018.</b></li> <li>• Member of Organizing Scientific Committee <b>2<sup>ND</sup> World Congress &amp; Expo on Pharmaceutics &amp; Drug Delivery Systems. 27-29, 2017</b> March Kuala Lumpur Malaysia.</li> <li>• Member of Scientific committee, <b>Scientific Federation and Organizing Committee Pharmaceutics</b> June 2017-Dec 2017.</li> </ul>

		<ul style="list-style-type: none"> <li>• Member of Scientific committee <b>PHARMA, Global Science and Technology Forum (GSTF) Singapore, 2015-Ongoing.</b></li> <li>• Member of Organizing Scientific Committee <b>4rth International conference on Pharmaceuticcal, nutraceutical and cosmetic science (IPNaCS 2015)</b> 12-13 NOV Ramada plaza, Melaka Malaysia</li> </ul> <p><u>Courses:</u></p> <ul style="list-style-type: none"> <li>• Participant, Basic Crystallography Workshop 3-4 May <b>2016</b>, AuRIns, UiTM Puncak Alam.</li> <li>• Participant, MOOC Development Workshop (E-Learning) 3-4 May <b>2017</b> Faculty of Pharmacy UiTM Puncak Alam.</li> <li>• Participant, Writing Workshop, 22-23 April <b>2019</b>, Blue Wave Hotel Shah Alam.</li> </ul>
<b>14</b>	<b>COMMUNITY SERVICES</b>	<ul style="list-style-type: none"> <li>• Surau and Sanitation committee Puncak Alam, 2011-2019.</li> <li>• SOPHYS chase club (Vice president) 2013-2015.</li> </ul>