

Meet the Editorial Board Member

Rahman Shah Z. Saleem

Department of Chemistry and Chemical Engineering, SBA School of Sciences & Engineering
Lahore University of Management Sciences (LUMS)
Lahore
Pakistan

Dr. Rahman Shah Zaib Saleem completed his doctoral studies in synthetic organic/medicinal chemistry from the Michigan State University as a Fulbright Scholar in 2011. Currently, he is serving as an associate professor at the Department of Chemistry and Chemical Engineering, SBA School of Sciences and Engineering, LUMS. His current focus of research lies in the application of organic synthesis in the medicinal chemistry, natural product synthesis and methodology development. He has research visits to the University of Cambridge as Herchel Smith Fellow and the University of Saarland as DAAD fellow. He has presented his research work in various international conferences including the US National Organic Symposium.



Rahman Shah Z. Saleem

SELECTED PUBLICATIONS

- [1] Umme Kalsoom, Meshari Alazmi, Syed Usama Bin Farrukh, Nawaf Alshammari, Ghayoor Abbas Chotana, Ibrahim Javed,* Thomas Paul Davis,* Rahman Shah Zaib Saleem* "Structure Dependent Differential Modulation of A β Fibrillization by Selenadiazole-Based Inhibitors" ACS Chemical Neuroscience Article ASAP (doi: 10.1021/acscchemneuro.1c00478)
- [2] Muhammad Usama Tariq, Hira Parveen, Muhammad Furqan, Rahim Ullah, Muhammad Muddassar, Rahman S. Z. Saleem, Vassilios Bavetsias, Spiros Linardopoulos and Amir Faisal* "CCT245718, a Dual FLT3/Aurora A Inhibitor Overcomes D835Y-Mediated Resistance to FLT3 Inhibitors in Acute Myeloid Leukemia Cells." *Br. J. Cancer* **2021**, 125 (7), 966-974 (doi: 10.1038/s41416-021-01527-2)
- [3] Haleema Sadia Malik, Aishah Bilal, Rahim Ullah, Maheen Iqbal, Sardraz Khan, Ishtiaq Ahmed, Karsten Krohn, Rahman S. Z. Saleem, Hidayat Hussain*, Amir Faisal* "Natural and Semisynthetic Chalcones as Dual FLT3 and Microtubule Polymerization Inhibitors" *J. Nat. Prod.* **2020**, 83, 10, 3111 (doi: 10.1021/acs.jnatprod.0c00699)
- [4] Syed Usama Bin Farrukh, Ibrahim Javed, Abdul Qayyum Ather, Abdul-Hamid Emwas, Meshari Alazmi, Xin Gao, Ghayoor Abbas Chotana, Thomas P. Davis, Pu Chun Ke, Rahman S.Z. Saleem* "Synthesis and identification of novel pyridazinylpyrazolone based diazo compounds as inhibitors of human islet amyloid polypeptide aggregation" *Bioorg Chem* **2019**, 84, 339-346 (doi: 10.1016/j.bioorg.2018.11.039)
- [5] Sharon Riaz, Maheen Iqbal, Rahim Ullah, Rida Zahra, Ghayoor Abbas Chotana, Amir Faisal*, Rahman S.Z. Saleem*. "Synthesis and evaluation of novel α -substituted chalcones with potent anti-cancer activities and ability to overcome multidrug resistance" *Bioorg Chem* **2019**, 87, 123-135 (doi: 10.1016/j.bioorg.2019.03.014)
- [6] Aansa Hanif, Aniqah Sardar, Meshari Alazmi, Haniya Tariq, Abdul-Hamid Emwas, Xin Gao, Ghayoor A Chotana, Rahman S.Z. Saleem*, "A Novel One-Pot Three-Component Reaction for Rapid Access of Arylidene 2-aminoimidazolone Derivatives" *ChemistrySelect* **2019**, 4, 1753-1756 (doi: 10.1002/slct.201803409)
- [7] Safia Manzoor, Aishah Bilal, Sardraz Khan, Rahim Ullah, Sunniya Iftikhar, Abdul-Hamid Emwas, Meshari Alazmi, Xin Gao, Ali Jawaid, Rahman S. Z. Saleem*, Amir Faisal* "Identification and characterization of SSE15206, A microtubule depolymerizing agent that overcomes multidrug resistance" *Sci. Rep.* **2018**, 8, 3305 (doi: 10.1038/s41598-018-21642-0)
- [8] Sunniya Iftikhar, Sardraz Khan, Aishah Bilal, Safia Manzoor, Muhammad Abdullah, Abdel-Hamid Emwas, Salim Sioud, Xin Gao, Ghayoor Abbas Chotana, Amir Faisal*, Rahman S. Z. Saleem* "Synthesis and evaluation of modified chalcone based p53 stabilizing agents" *Bioorganic Med. Chem. Lett.* **2017**, 27, 4101 (doi: 10.1016/j.bmcl.2017.07.042)
- [9] Rahman S. Z. Saleem and Jetze J. Tepe* "A Concise Total Synthesis of Hymenialdisine" *Tet. Lett.* **2015**, 56, 3011 (DOI:10.1016/j.tetlet.2014.10.022).
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- [11] Thu N.T. Nguyen, Rahman S. Z. Saleem, Micah J. Luderer, Stacy Hovde, R. William Henry, Jetze J. Tepe* "Radioprotection by hymenialdisine-derived checkpoint kinase 2 inhibitors" *ACS Chem. Biol.* **2012**, 7, 172 (DOI: 10.1021/cb200320c).
- [12] Rahman S. Z. Saleem and Jetze J. Tepe* "Synthesis of 1,2,4-triazolines and triazoles utilizing oxazolones" *J. Org. Chem.* **2010**, 75, 4330-2 (DOI: 10.1021/jo100716m).