

Dr. Sumaiya Tabassum

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Dr. Sumaiya Tabassum has her bachelor's degree (B.Sc., B.Ed.) and Masters (Organic Chemistry) from Bangalore University. She obtained her M.Phil (2013) from Department of Organic Chemistry, Jain University, Bangalore under the supervision of Dr. Suresha Kumara T. H, where she gained an acumen on "Synthesis, crystal studies and biological activity of novel quinolone derivatives".

She joined Dr. M. A Pasha's team, Department of Organic Chemistry, Bangalore University, Bangalore for her doctorate degree (2017), where she researched on "Synthesis of some important biologically active heterocyclic through green protocols".

Her research career credit, she has authored 14 publications in peer reviewed Scopus indexed journals, 3 patents, contributed 8 book chapters, presented her work in 13 international and national conferences held in India and UK. Furthermore, she is also a reviewer for 2 International journals, Elsevier Publishing house.

She has varied research interests, mostly in connection to synthetic work related to the development of new domino and multicomponent reactions, crystal study and biological studies such as R & D in synthesis of novel quinolines, 2-amino-3-cyano-4H-pyrans, 1, 4-dihydropyridines, pyrazol-yl-pyrazolone methanes, pyridylpiperazines, 1,4,5,6-tetrahydropyridine-3-carboxylates, 2-amino-4-aryl-3-fluorophenyl-4,6,7,8-tetrahydroquinolin-5-(1H)-ones, dihydropyrazolo[4',3':5,6]pyrano[2,3-d]pyrimidines, 2,3,4,5-tetrahydro-1H-pyrano[2,3-d]pyrimidines, Optimization studies, Using green protocols in organic synthesis, Structural analysis using IR, ¹H NMR, ¹³C NMR and HRMS.

Received research grant from Karnataka Science and Technology Academy (KSTA) for the project titled "One-pot synthesis of a novel pyrazol-5-yl-sulfonamides using multicomponent approach" for the year 2022.