

ABSTRACT

During the course of work, a series of derivatives of 3,4-dimethoxychalcone were prepared. 3,4-Dimethoxybenzaldehyde was reacted with acetophenone under basic media followed by its chlorosulfonation to get 4,5-dimethoxy-2-[(1*E*)-3-oxo-3-phenylprop-1-en-1-yl]benzenesulfonyl chlorid. Sulfonylchloride was later condensed with appropriate amines and different hydrazides in the presence of organic solvents at 80-90⁰C. The synthesized compounds were characterized by infra-red, ¹H-NMR and mass spectrometric data. All the compounds were tested for their antibacterial and antifungal activities.