INSTRUMENTATION AND METHODOLOGY

Melting points
Melting points (in °C) were determined in open capillary tubes and are uncorrected.

Infrared Spectra
IR spectra were recorded on Perkin-Elmer KBr Unicam FTIR 1000 Spectrophotometer using KBr pellets. Wave numbers are expressed in cm⁻¹.

NMR Spectra
¹H NMR Spectra were recorded on JEOL MODEL GSX 270 FT NMR Spectrophotometer and (NMR 300 MHz and 400 MHz) Supercon Machine, using CDCl₃ and DMSO-d₆ as solvents and TMS as an internal standard reference. Chemical shifts are expressed in δ values [ppm].

Mass Spectra
Mass Spectra were recorded on Brucher Apex-II Mass Spectrophotometer.

Microwave oven
The microwave-assisted procedures were carried out in a LG - microwave oven specially designed for organic synthesis operating at 1000 W.

Purity
Purity of compounds was checked by TLC.

Analysis
Calculated and found percentages of C, H, N and S are given in parenthesis.

Biological Activity and Pharmacological Screening
Antimicrobial screening of the compounds was carried out according to reported method at SCS College of Pharmacy, Harapanahalli.