

ABSTRACT

In the present study first synthesis was carried out and then their Haemolytic, Antimicrobial and Antioxidant potential was evaluated by conventional methods. For the synthesis of different derivatives, benzoyl chloride was reacted with different substituted aromatic amines to synthesize, *N*-Phenyl benzamide, *N*-(*m*-hydroxyphenyl) benzamide, *N*-(*p*-hydroxyphenyl) benzamide, *N*-(*m*-methylphenyl) benzamide, *N*-(*p*-methylphenyl) benzamide, *N*-(*o*-methoxyphenyl) benzamide and *N*-(*o*-carboxyphenyl) benzamide. The structure of these derivatives was elucidated with different techniques i.e. FT-IR and ¹H-NMR spectroscopy. Antimicrobial activity was not shown by any of these derivatives. Maximum antioxidant activity was shown by *N*-(*o*-methoxyphenyl) benzamide. *N*-(*p*-hydroxy) benzamide and *N*-(*p*-methylphenyl) benzamide showed least toxicity results.