



**Synthesis and Antimicrobial Study of Some Substituted
2-Amino Benzothiazole Derivatives**

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ABSTRACT

The amide derivatives were synthesized by facile synthetic procedure, in which substituted 2-aminobenzothiazoles reacts with acid chlorides of substituted phenoxyacetic acid in basic condition. All the derivatives were screened for their antimicrobial activity against Azotobacter sp., Pseudomonas aeruginosa, Aspergillus niger, Fusarium moniliforme, Phanerochaete chrysosporium. Chloramphenicol and Amphotericin B were used as standard drugs for evaluation of antibacterial and antifungal activity respectively. Some derivatives have exhibited good antifungal activity.

Keywords: 2-aminobenzothiazole, amide, antibacterial, antifungal.
