



## **Synthesis of Tetrazolo[1,5-a]Quinoxaline Based Thio-Ether Derivatives, Being Intoxicating Antimicrobial Agents**

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### **ABSTRACT**

*In this study we have synthesized resourceful N-(Substituted phenyl)-2-(tetrazolo[1,5-a] quinoxaline-4-ylthio)acetamide, by preparation of intermediate, 2-chloro -N-(substitutedphenyl)acetamide in multistep reactions process. This intermediates 2-chloro -N-(substitutedphenyl)acetamide were also synthesized by substituted anilines. TLC pointed out completion of the reaction. The structure of the compounds were authenticated by IR, <sup>1</sup>NMR. the synthesized compounds were investigated for their antimicrobial activity.*

**Keywords:** Quinoxaline, Synthesis, Antimicrobial Activity.

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