A series of substituted [1,3]thiazolo[3,2-b][1,2,4]triazole derivatives 4 were synthesized in good yield by condensing 2-substituted-1,2,4-triazole-5-thiols 3 with various N-aryl-maleimides in acetic acid media. All structures of the newly synthesized compounds were elucidated by elemental analyses and spectral data.

Key words: 1,2,4-Triazole-5-thiol, N-Aryl-maleimides, [1,3]Thiazolo[3,2-b][1,2,4]triazoles