

Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

**Synthesis of some pyridazine
derivatives carrying urea, thiourea, and
sulfonamide moieties and their
antimicrobial activity**



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Abstract: Some pyridazine derivatives carrying urea, thiourea, and sulfonamide groups were synthesized and evaluated for their antimicrobial activity against gram-positive and gram-negative bacteria, and fungi by using broth microdilution. The structures of these new compounds were confirmed by ¹H-NMR, mass spectrum, and elemental analysis. The synthesized compounds exhibited generally promising inhibitory activity against *S. aureus* (MIC ranging from 2 to 4 µg/mL) and *E. coli* (MIC