

### عنوان مقاله:

Synthesis, characterization and antibacterial studies of Co(II) and Cu(II) complexes of a new macroacyclic Schiff base ligand derived from nicotinaldehyde and thiocarbonohydrazide

### محل انتشار:

کنفرانس پژوهش های نوین در علوم و مهندسی (سال: 1395)

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### خلاصه مقاله:

Study of thiocarbonohydrazide and its derivatives is of great interest due to the wide use of these compounds and their valuable reactions. The metal complexes of Cobalt(II) and Copper(II) with 1,5-bis(pyridin-3 ylmethylene) thiocarbonohydrazide were synthesized and isolated as solid products and characterized by several spectral techniques. Also the synthesized ligand and complexes were screened for their antibacterial activity, results showed that the all complexes have antibacterial effects against both gram negative bacteria and gram positive bacteria such as: Escherichia coli, Serratia marcescens, Staphylococcus aureus, and Proteusvulgaris

### کلمات کلیدی:

macroacyclic, Schiff Base, thiocarbonohydrazide, nicotinaldehyde, antibacterial activity

### لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/555875>

