

Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

Synthesis, Spectral and Fungicidal Studies on Dioxobridged Binuclear Niobium(V) and Tantalum(V) Complexes of N-Alkylphenothiazines

Boregowda KESHAVAN, Hunasegala KEMPE GOWDA

Department of Studies in Chemistry,

University of Mysore, 570 006 Mysore-INDIA

 [Keywords](#)
 [Authors](#)

Abstract: Six new dioxobridged binuclear complexes of the type $[MO(L)Z]_2Z$, where M=niobium(V) or tantalum(V), L=N-alkylphenothiazines (NAPs) and Z=tartrate and oxalate for niobium and tantalum respectively, were synthesized. The stoichiometry of the complexes was proposed on the basis of elemental analyses, molar conductance, magnetic and thermal data. The coordination behaviour of the ligands was determined with the help of spectroscopic studies. The fungicidal activity of the complexes was evaluated.



Turk. J. Chem., **26**, (2002), 237-244.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Chem., vol.26, iss.2.](#)

chem@tubitak.gov.tr

[Scientific Journals Home Page](#)