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Synthesis, Characterization and Pesticidal Potential of Metal Dimethyldithiocarbamates

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Abstract : A series of transition metal dimethyldithiocarbamates have been synthesized and characterized on the basis of analytical and spectral data. The compounds have been screened for fungicidal potential and insecticidal potential and compared with the standard fungicides Indofil M-45 and Bavistin as well as with standard insecticide Carbaryl. Some of the synthesized complexes exhibited antifungal activity at par with standard fungicide, but none of the complexes could compete with standard insecticide.

Key Words : Organosulphur compounds, dithiocarbamates, fungicide, insecticide.

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