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Study of proton-ligand and metal-ligand stability constants of Cu (II) and Mn (II) complexes with chlorosubstituted pyrazoles and isozoles in 80% DMF-water solvent using pH-meter

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Abstract : The hydrogen-ion activity in water-based solutions, its acidity or alkalinity expressed as pH scientifically is measured on the pH meter. pH meter instrument is also used to find out stability of complexes through titrations. Stability constant is equilibrium constant for the formation of a complex in solution. It is a measure of the strength of the interaction between the reagents that come together to from the complex. The proposed study deals with the proton-ligand stability constant and metal-ligand stability constant of chlorosubstituted pyrazoles and isoxazoles by Calvin Bjerrum titration on pH meter.

Key Words : pH- meter, chlorosubstituted pyrazole, chlorosubstituted isoxazole, Calvin Bjerrum titration.

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