



**Polarographic Study Of Cd(II) And Cu(II) Ions
In Presence Of New Schiff Base**

K. Ramanjaneyulu¹, K. Sudhakar Babu^{1*}, J. Latha² and K. Hari Nagamaddaiah¹

1. Department of Chemistry, Sri Krishnadevaraya University, Anantapuramu, A.P, **INDIA**

2. Department of Environ. Sciences, Sri Krishnadevaraya University College of Engineering & Technology,
S.K. University, Anantapuramu – 515003, A.P, **INDIA**

Email: drksbabu9@gmail.com

Accepted on 15th January 2015

ABSTRACT

The use of organic reagents in inorganic analysis is a major field of interest. A perusal of literature revealed that the number of Schiff bases were synthesized from (trihydroxymethyl) methyl-amine, 2-amino-2-methyl-1,3-propane-di-ol, 2-amino-2-ethyl-1,3-propane-di-ol with various carbonyl compounds and possess many important applications in the fields of greater interest like Medicine, Pharmacy, Agriculture etc., in the present investigations synthesis and characterisation of Vaniline with 2-amino 2-methyl 1-Propanol (AMP) are described for the first time. In order to establish the complexing ability of the ligand cadmium and copper ions were selected for carrying - Polarographic investigation.

Keywords: Schiff base, Polarography, AMP, Vanillin.
