



ChemTech

## International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555  
Vol.12 No.06, pp 65-70, 2019

### Stability constants of Cu(II) and Zn(II) Metal complexes with Ethambutol hydrochloride and Alanine, Glycine, Isoleucine and Phenylalanine amino acids

Baban Magare<sup>1\*</sup> and Milind Ubale<sup>2</sup>

<sup>1</sup>Shivaji Arts, Commerce and Science College Kannad, Dist. Aurangabad, (M.S.)  
431103, India

<sup>2</sup>Vasantnao Naik Mahavidhyalaya Aurangabad, (M. S.)431003,India

**Abstract :** Stability constants of binary and ternary complexes of Cu(II) and Zn(II) transition metal ions with ethambutol hydrochloride drug (L) and alanine, glycine, isoleucine and phenyl alanine amino acids(R) have been determined potentiometrically at 30<sup>0</sup>C temperature and 0.1 M ionic strength(NaClO<sub>4</sub>) in aqueous solution. The formations of complexes were confirmed from deviation of curves. Stability of complexes was discussed in terms of different relative stability parameters.

**Keywords :** binary, ternary complexes, transition metal, ethambutol hydrochloride, amino acids.

Baban Magare *et al* /International Journal of ChemTech Research, 2019,12(6): 65-70.

DOI= <http://dx.doi.org/10.20902/IJCTR.2019.120609>

\*\*\*\*\*