# Synthesis and Study of Copper(II) Complexes with Aspartic Acid, Serine, and Valine

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**Abstract** — Binary and ternary copper(II) complexes with aspartic acid ($H_2$Asp), serine (HSer), and valine (HVal) were prepared by electrochemical and chemical procedures. The purity of the compounds was confirmed by elemental and thermogravimetric analyses. According to the IR spectra, all the complexes contain a five-membered chelate ring in which the Cu(II) atom is bonded with the oxygen atom of the carboxy group and nitrogen atom of the amino group. This is also confirmed by the ESR spectra.