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## The co-ordination chemistry of some oligopyridine derivatives. 1. Complex compounds of ethyl-3-benzoyl-5-(2'-pyridyl)-indolizine-1-carboxylate with Fe(III), Cr(III) and Cu(II)

Florina DUMITRU<sup>a</sup>, Mioara ANDREI<sup>b</sup>, George CARAMAN<sup>c</sup>, Ion DRUȚĂ<sup>b</sup> and Cornelia GURAN<sup>a</sup>

<sup>a</sup>“Politehnica” University Bucharest, Department of Inorganic Chemistry, 1 Polizu Street, 78126-Bucharest, Romania

<sup>b</sup>“Al.I.Cuza” University, Department of Organic Chemistry, , Bd. Copou 11, 6600 Iași, Romania

<sup>c</sup>Institute of Organic Chemistry “C.D. Nenițescu”, Spl.Independenței 202-204, Bucharest, Romania

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**Abstract** This paper reports the results obtained in the synthesis and characterisation of Fe(III), Cr(III) and Cu(II) complexes with the ligand, ethyl-3-benzoyl-5-(2'-pyridyl)-indolizine-1-carboxylate, L, [FeL(OH<sub>2</sub>)<sub>2</sub>(ClO<sub>4</sub>)](ClO<sub>4</sub>)<sub>2</sub> (1), [CrL(OH<sub>2</sub>)<sub>2</sub>(ClO<sub>4</sub>)](ClO<sub>4</sub>)<sub>2</sub> (2), [CuL(OH<sub>2</sub>)<sub>2</sub>](ClO<sub>4</sub>)<sub>2</sub> (3). Elemental chemical analysis, molar conductivity data, IR and electronic spectra support the proposed formulas.

**Keywords:** ethyl-3-benzoyl-5-(2'-pyridyl)-indolizine-1-carboxylate, Fe(III), Cr(III) and Cu(II) complexes

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