



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_56234
Title of the Manuscript:	Synthesis, Characterization and Antibacterial Analysis of Some Schiff Base Metal (II) complexes
Type of Article:	

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>1. Schiff base must replace schiff base.</p> <p>2. What means n M and y M at the Schiff base synthesis method? I suppose that it was asked the solutions molarity so n and y must be calculated and provided.</p> <p>3. In Table 1 the melting point for ligand is missing but at experimental the authors claims that this was determined. This must be revised. The expression "The melting points of the ligand and the complexes" must be revised as "The temperature of beginning decomposition of complexes" At discussion part "melting point" must be replaced by the temperature of starting decomposition.</p> <p>4. The microorganisms source must be presented at experimental section also.</p> <p>5. In the complexes composition L^1 must be used instead of HL^1 in Tables 1,2 and 5.</p> <p>6. The bands assigned to asymmetrically and symmetrically stretching vibration of carboxylate groups must be identified in the IR spectra in the range $1400-1650\text{ cm}^{-1}$ where usually appear, presented in Table 2 and discussed according with coordination.</p> <p>7. The complexes cannot be electrolytes as these are formulated as [ML] and as result nonelectrolytes (see W.J.Gear y, The use of conductivity measurements in organic solvents for the characterization of coordination compounds. Coord Chem Rev. 1971;7:81-122.). So the conductivity meter was no proper calibrated in my opinion or calculation are wrong. The data must be in the range $7-14\text{ ohm}^{-1}\text{cm}^2\text{mol}^{-1}$. Please check this.</p> <p>8. The magnetic moment (μ) instead of susceptibility must be presented in discussion accordingly with metal ion configuration and its stereochemistry. ($\mu = 2.78 (\text{susceptibility} \times M \times T)^{1/2}$ M: molar weight). This is use for comparison with other complexes and not susceptibility The Table 4 must be removed.</p> <p>9. The biological activity results must be detailed discussed.</p> <p>10. The conclusions must be more clearly presented. The <i>P auriginesa</i> must be replaced by <i>P. aeruginosa</i>.</p>	

Reviewer Details:

Name:	Rodica Olar
Department, University & Country	University of Bucharest, Romania