



SDI Review Form 1.6

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_51225
Title of the Manuscript:	Microwave-assisted Synthesis, Characterization, Antimicrobial and Antioxidant Activities of 1-Benzyl-3-[(4-methylphenyl)imino]-indolin-2-one and its Co(II) Complex
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments		
Minor REVISION comments	<p>The manuscript "Microwave-assisted Synthesis, Characterization, Antimicrobial and Antioxidant Activities of 1-Benzyl-3-[(4-methylphenyl)imino]-indolin-2-one and its Co(II) Complex" is the general interest but need some minor revisions:</p> <p>1.-In the Experimental Section, the authors, in a kindly manner, need to explain the synthesis of N-benzylisatin, the authors only indicate the reference, but is necessary know in this manuscript the synthesis to understood the preparation on target molecule.</p> <p>2.- In this section, when the authors said medium and high (line 89), they refer to the power? Can the authors explain it please, what is the power employed?</p> <p>3.- For the ¹H NMR, the value for methyl protons are not reported.</p> <p>4.- For ESI data, is necessary include more fragments to complete the spectroscopical characterization.</p> <p>5.- In line 193, the authors comment that the molar ratio can explain the low yields, however they should do the reaction with this molar ratio, thus the authors, can search another idea to explain the low yields.</p> <p>6.- The authors need to label the protons in the figure, to know unequivocally the proton.</p>	<p>1. The preparation of N-benzyl isatin has now been explicitly stated under section 2.3.2.</p> <p>2. As previously stated in the instrumentation section, the power of the microwave used was 800W, while medium and high refer to the automated microwave temperature ranges. Medium 149 =177 °C and High 218 -260 °C.</p> <p>3 The methyl protons appeared at 2.35 ppm (3H, s, CH₃). It was an omission which has been corrected.</p> <p>4. This has been done, including a spectral data table, the suggested fragmentation pattern and a brief discussion under section 3.3..</p> <p>5. This reason for the low yield has been removed.</p> <p>6. Figure 1, which presents the numbering system of atoms in the ligand has been included under section 3.2.</p>
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	