

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_88362
Title of the Manuscript:	Antimicrobial, Antioxidant, and Anti-inflammatory evaluation of synthesised azo compounds based on $\beta$ -naphthol, catechol and quinol nucleus.
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:

(<https://www.journaljpri.com/index.php/JPRI/editorial-policy>)

### **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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments	<p>In this research article Azo compounds have been synthesized using 8-hydroxyquinoline as a coupling agent. The compounds have been characterized by <sup>1</sup>H-NMR, Ultra-Violet Visible, and Fourier Transform infra-red spectroscopy. The quinol-based compounds were the most active in terms of antimicrobial and anti-inflammatory activity. Ten azo compounds were synthesized through the diazotisation and coupling pathways. Generally, the quinol and naphthol compounds had the best antimicrobial, anti-inflammatory, and antioxidant activities. The minimum inhibition concentrations of the most active compounds observed in this study showed that they have inhibitory effects, thereby having a potential for use as medicines. The IC50's for the anti-inflammatory and antioxidant activity from this study is also an indication of their potential application in inflammation and oxidative stress experiments.</p> <p><b>Script is very well written. Language is good. Figures are correlated. Recommended for publication in the Journal.</b></p>	Noted

### **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)	