Review Form 1.6

Journal Name:	**Journal of Pharmaceutical Research International**
Manuscript Number:	**Ms_JPRI_88362**
Title of the Manuscript:	**Antimicrobial, Antioxidant, and Anti-inflammatory evaluation of synthesised azo compounds based on β-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)*
Compulsory REVISION comments		
Minor REVISION comments		
Optional/General comments	In this research article *Azo* compounds have been synthesized using 8-hydroxyquinoline as a coupling agent. The compounds have been characterized by ^{1}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. **Script is very well written. Language is good. Figures are correlated. Recommended for publication in the Journal.**	

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)*	

Reviewer Details:

Name:	**Amit Gupta**
Department, University & Country	**I B S, Dr. B R Ambedkar University, India**