Review Form 1.6

Journal Name:	**Journal of Pharmaceutical Research International**
Manuscript Number:	**Ms_JPRI_82741**
Title of the Manuscript:	**Biogenesis of Zirconium Oxide Nanoparticles by Momordica Charantia (Bitter Gourd) Leaf Extract: Characterization and their Antimicrobial Activities**
Type of the Article	**Original Research Article**

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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	**Page 1**: **Line 19 to 21**. Additional references should be given for the statement. Below are some propositions: • Kamta, T. H. M.; Kenfack T. P.; Lontio F. R.; Ekane, P.E.; Pattayil, A. J.; Delcorte, A.; Roussin; Lambi. N.J. Structural characterization and magnetic properties of undoped and copper-doped cobalt ferrite nanoparticles prepared by the octanoate coprecipitation route at very low dopant concentrations. *RSC Adv.* 2018, **8**, 38621 – 38630. • Cedrik Ngnintedem Yonti, Patrice Kenfack Tsobnang, Roussin Lontio Fomekong, François Devred, Eric Mignolet, Yvan Larondelle, Sophie Hermans, Arnaud Delcorte, John Lambi Ngolui. Green synthesis of Iron doped Cobalt oxide nanoparticles from palm kernel oil via co-precipitation and structural characterization. *Nanomaterials* 2021, ***11***, 2833 – 2853. • Lontio, F. R.; Kenfack, T. P.; Magnin, D.; .Hermans, S.; Delcorte, A.; Lambi J. N., Coprecipitation of nickel zinc malonate: A facile and reproducible synthesis route for $Ni_{1-x}Zn_xO$ nanoparticles and $Ni_{1-x}Zn_xO/ZnO$ nanocomposites via pyrolysis. *J. Solid. Stat. Chem.* 2015, **230**, 381-389. **Page 1**: **Line 22 to 24**. More references should be given for the information given. **Page 2**: **Line 15 to 20**. References should be added. The synthesis of Zirconium oxide by using other plants should be mentioned **Page 5**: **Line 1 and 2**. The adsorption bands obtained (270 to 315 nm) should be compared to the values found in the literature. **Page 1: Line 8.** The value 321 nm should be compared to the values found in the literature for of the valence-to-conduction band transition of ZrO_2. **Page 6**: **Line 5 to 11**. All the bands found in the FTIR of Momordica charantia leaf (Figure 4) should be compared to the values found the literature. **Page 6**: **Line 6**. The sentence should be revised since aromatic phenols do not have C-N bonds.	

	Page 6: Line 14 to 20. Also all the values of peaks found in the FTIR spectrum of ZrO_2 (Figure 5) should be compared to those of the literature. **Page 6**: The caption of Figure 6 should be added. **Page 6**: Line 24. A reference should be given for the Debye-Sherer equation. **Page 6**: Figure 6 shows that the sample analysed is not well crystallized. The XRD is then not really appropriated to determine the particular size of the sample. The Scanning Electron Microscopy (SEM) or the Transmission Electron Microscopy (TEM) techniques should be used to confirmed the nanosize of the particles. **Page 7**: Line 5: How the authors know that the broad peak in the XRD spectrum of this material is related to the presence of NaOH? **Page 7**: The authors should comment Figure 7 and Table 1.	
Minor REVISION comments		
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)*	

Reviewer Details:

Name:	**Patrice Kenfack Tsobnang**
Department, University & Country	**University of Dschang, Cameroon**