



## SDI FINAL EVALUATION FORM 1.1

### PART 1:

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| Journal Name:            | <a href="#">International Journal of Biochemistry Research &amp; Review</a>                                                                                            |
| Manuscript Number:       | Ms_IJBCRR_30539                                                                                                                                                        |
| Title of the Manuscript: | Evaluation of Nephroprotective Activity of Aqueous and Hydroethanolic Extracts of Trema guineensis Leaves (Ulmaceae) Against Gentamicin-Induced Nephrotoxicity in Rats |
| Type of the Article:     | Original Research Article                                                                                                                                              |

### PART 2:

| FINAL EVALUATOR'S comments on revised paper (if any)                                                                                                                                                                                                                                                                                                                                                                                                                                                | Authors' response to final evaluator's comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <p>The authors have addressed some of the suggested comments, but some important issues are still unresolved. Actually there is a sex related difference to gentamicin induced nephrotoxicity. So usage of both sexes, if it is not group controlled can produce a biased result. Also a positive control is a group that should receive only extract. We want to be sure that the extract per sex is not toxic.</p> <p>SEM and SD are not same. SD should be used as a measure of variability.</p> | <p>Several authors have used both sexes to evaluate the nephroprotective activity of plant extracts. Thus we took into account the status of animals within each group before treatment by the dosage of biochemical parameters in order to confirm experimentation.</p> <p>The toxicity study of Trema guineensis extracts in rats was carried out previously by other authors (Kouakou <i>et al.</i>, 2014) according to OECD guidelines 423. The extracts were administered intraperitoneal route until 2000 mg/kg body weight. This study showed that this dose was not toxic for female rats.</p> <p>We defined the group treated with vitamin E as positive control because vitamin E is the reference molecule and it is used to treat or prevent renal toxicity.</p> <p>Ok we used SD as a measure of variability</p> |