

## REVIEWER'S REPORT

Manuscript No.: **IJAR-55890**

**Title: COMPARATIVE STUDY OF LD SOUND LEVELS FROM ROAD TRAFFIC NOISE IN COTONOU: IN SITU MEASUREMENT AND SIMULATION USING THE CNOSSOS-EU MODEL**

### Recommendation:

Accept as it is .....

Accept after minor revision.....

**Accept after major revision ...✓.....**

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality			✓	
Clarity			✓	
Significance		✓		

Reviewer Name: **Dr. Priti Gupta**

### *Detailed Reviewer's Report*

#### ***Accept with Major Revisions***

- The analysis relies mainly on tabulated differences. Please include standard statistical indicators such as Mean Error (ME), Mean Absolute Error (MAE), Root Mean Square Error (RMSE), and correlation coefficient ( $R^2$ ) to better evaluate model performance.
- The implementation of the CNOSSOS-EU model in MATLAB is not sufficiently described. A brief workflow or schematic and clarification of parameter choices would improve reproducibility.
- Some sites show very large deviations (e.g., C22, C25, C27). These should be discussed in relation to local urban morphology, traffic dynamics, or shielding effects.
- The manuscript contains grammatical and typographical issues. Professional English editing and strict adherence to IJAR formatting guidelines are required.
- Improve the abstract by adding quantitative results (e.g., range of error).
- Ensure consistent formatting of tables, figures, and equations.
- Standardize references according to the journal style.
- Add a brief subsection on measurement uncertainty and limitations.