December 13, 2023

W K Reisen

Subject Editor, Journal of Medical Entomology

**Dear Dr Reisen,**

Please find attached the article “JME-2023-0210.” entitled “Two Decades of Endemic Dengue in Bangladesh (2000-2022): Trends, Seasonality, and Impact of Temperature and Rainfall Patterns on Transmission Dynamics”for your consideration in your journal. We have addressed the concerns that the reviewer and editor have raised or justified our position and are confident that the reviewer (s) will be satisfied with our response and updated version of the manuscript for publication.

We incorporated reviewer suggestions by utilizing Mendeley for reference formatting. Initially, we used the ESA format (Author, year) and manually adjusted it to the JME format. Notably, log10 was selectively applied to enhance the visualization of Fig 1: dengue cases by year (Fig 1A) and months (Fig 1B) due to substantial data divergence. The logarithmic transformation was solely for graphical representation and did not influence the analysis, with no mention in the manuscript. For the monthly growth factor (GF), we used the natural log and performed back-transformation before analysis.

Addressing confusion arising from the M-K trend test and Sen’s slope test discrepancies, we now provide interpretative sentences in the discussion (Page 13). While the M-K trend test yielded significance, Sen’s Slope test did not, and this disparity is elucidated.

We have reviewed the manuscript further for typos and grammar and corrected these using track changes. Finally, we would like to thank you and the reviewer /editor for helping us to improve the quality of this manuscript.

Sincerely,

Najmul Haider, PhD, MPH, MSc, DVM

Lecturer in Epidemiology

School of Life Sciences, Keele University,

Staffordshire, United Kingdom, ST5 5BG,

Email: [n.haider@keele.ac.uk](mailto:n.haider@keele.ac.uk)

Phone: +44-7766432969