

I have reviewed the revised manuscript, which introduces a Bayesian graphical causal inference framework for investigating solar radiation and temperature effects on dissolved gaseous mercury concentrations. I previously raised several major concerns regarding methodological justification, model structure, distributional assumptions, indirect effect interpretation, and DAG specification limitations. I am pleased to report that the authors have addressed all of my concerns satisfactorily in this revision. The manuscript makes a valuable methodological contribution to environmental data analysis, and the revisions have improved both rigor and accessibility. I recommend acceptance for publication.