SUGGESTED COVER LETTER FOR JOURNAL OF ENERGY FOR SUSTAINABLE DEVELOPMENT

Dear Editor-in-Chief, Professor Subhes C. Bhattacharyya

I am pleased to submit our manuscript titled ‘**The impact of setback regulations on PV deployment strategies in Gyeonggi province, South Korea’** for consideration in *Energy for Sustainable Development.*

This study investigates the impact of setback regulations on photovoltaic (PV) deployment using GIS-based spatial analysis across nine distinct land-use types. We construct geospatial supply curves under current and relaxed regulatory scenarios and evaluate deployment strategies that balance economic efficiency with renewable energy targets. By integrating spatial, economic, and regulatory dimensions, our work offers actionable insights for policymakers seeking to optimize PV expansion while addressing land-use constraints and environmental considerations.

This manuscript aligns with the mission of *Energy for Sustainable Development* by presenting solar PV as a means to advance broader sustainability objectives. It offers an interdisciplinary contribution that combines spatial analysis, economic evaluation, and regulatory policy to provide actionable insights for sustainable energy planning in highly urbanized and land-constrained regions. We believe the findings will be relevant to a broad readership, including energy planners, policymakers, and development practitioners, particularly in rapidly growing cities across the Global South facing similar challenges.

This work has not been published or submitted elsewhere, and there are no conflicts of interest to declare. All authors have approved the submission of this manuscript. We have prepared the manuscript according to the journal’s submission guidelines.

Thank you for considering our submission. We look forward to the opportunity to contribute to *Energy for Sustainable Development.*.

Sincerely,

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