

Review Form 1.7

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_115275
Title of the Manuscript:	SEASONAL VARIATIONS ASSESSMENT OF AIR POLLUTANTS OF COMMUNITIES IN THE VICINITY OF SCRAP METAL RECYCLING INDUSTRIES IN OGIJO, SHAGAMU SOUTH LGA, OGUN STATE, SW NIGERIA
Type of the Article	

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	1. Yes, This manuscript presents a thorough investigation into the seasonal variations of air pollutants in communities surrounding scrap metal recycling industries in Ogijo, Shagamu South LGA, Ogun State, Nigeria. Utilizing advanced Gary Wolf Environmental Sensing and Particulate Counting devices, the study meticulously measures concentrations of carbon monoxide, nitrogen dioxide, sulfur dioxide, PM2.5, and PM10 during both dry and wet seasons across 20 strategic sampling locations. The findings reveal significant seasonal fluctuations in pollutant levels, with some concentrations exceeding Nigerian ambient air quality standards, highlighting a pressing environmental health concern. The study not only underscores the critical need for regulatory oversight and the implementation of safer metal scrapping practices but also advocates for regular environmental monitoring to mitigate the adverse impacts of such industries on local communities and the environment. 2. Yes 3. Yes 4. Yes 5. Yes 6. Yes	Thank you Adopted this Abstract Thank you
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	It is well written. However, it is suggested to the authors that they can go through the manuscript once again to improve the English.	Done
Optional/General comments	1. Can the authors explain the means by which the 20 sampling spots were selected? What was the set of measures supporting that those places are an adequate representation of temperatures in and around the scrap metal recycling industries in Ogijo? 2. Before taking the measurements of air quality, how was the accuracy of the Gary Wolf Environmental Sensing device Model Number 2038 or the Gary Wolf Particulate Counter Model Number 454532 calibrated and confirmed? The assurance of the data-collection process is a necessary component of any study. 3. The study refers to the measurements during short periods in March and September for dry and wet seasons, respectively. If such periods were chosen for the observation, could the authors describe the justification of their choice and assess if the two weeks reflect the seasonal shift of the air pollutant concentration variations in the chosen area?	Included in the quality Control Included in the quality Control Yes the periods were short , we suggest that te word seasonal be dropped from the topic and Dry and wet seasonsI variations of air pollutants in communities surrounding scrap metal recycling industries in Ogijo,

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	4. Any study should have its constraints. Could the authors describe their study's limitations, such as presumed sources of mistakes or representativeness of the sampling spots or feasibility restrictions due to applied sensors?	Shagamu South LGA, Ogun State, Nigeria. Limitations 1. There could be no sufficient selectivity factor response for the target gas/response for coexisting gas due to the complexity of air pollutants. 2. The exact contribution of the metal recycling industries to the pollution was not ascertained 3. Only three gases and two particulate matters were investigated
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PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	