Review Form 1.7

Journal Name:	**International Research Journal of Pure and Applied Chemistry**
Manuscript Number:	**Ms_IRJPAC_129603**
Title of the Manuscript:	**The Role of Chemistry in Achieving Sustainable Development Goals: Green Chemistry Perspective**
Type of the Article	

PART 1: Comments

	Reviewer's comment	**Author's Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript highlights the critical role of green chemistry in achieving the United Nations Sustainable Development Goals (UN-SDGs) by promoting sustainable chemical processes that minimize harmful substances. It emphasizes how the principles of green chemistry can address global challenges such as pollution, clean energy, and climate action. By offering a comprehensive view of these principles, the manuscript provides valuable insights for advancing sustainability across various sectors.	
Is the title of the article suitable? (If not please suggest an alternative title)	**YES TITLE IS OK**	

Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	**Suggestions for Improvement:** **Clarity and Focus**: While the abstract introduces green chemistry and its relevance to the UN-SDGs, it could benefit from clearer distinctions between the role of green chemistry in addressing specific goals. Rather than listing a broad range of SDGs, you could highlight a few key areas where green chemistry has the most direct impact (e.g., pollution reduction, clean energy, and sustainable industry). **Structure and Flow**: The abstract could be more concise in conveying the main message by reducing repetition. For example, the sentence "Green chemistry centers on the chemical product life cycle..." and "All these and more can be achieved using the twelve developed principles of green chemistry..." can be condensed into one unified point. **Removal of Redundancy**: The phrase "a pivotal initiative that can aid in meeting the United Nations 2030 global plans" at the end is somewhat redundant since the connection to the UN-SDGs has already been established. This can be revised for greater impact. **Emphasize Innovation**: The mention of "green chemistry perspective is also a continuously developing tool" could be more specific, perhaps by highlighting how ongoing advancements in green chemistry offer new solutions for emerging global challenges. SUGGESTED ABSTRACT :Green chemistry, also referred to as sustainable chemistry, has emerged as a crucial framework for addressing global sustainability challenges and advancing the United Nations 2030 Sustainable Development Goals (UN-SDGs). By focusing on the design and implementation of chemical products and processes that minimize or eliminate the use and generation of hazardous substances, green chemistry directly contributes to reducing environmental pollution, conserving natural resources, and improving public health. This approach not only prioritizes environmental protection but also promotes the development of safer, more efficient chemical processes that align with the principles of sustainability.The twelve principles of green chemistry provide actionable and scientifically grounded strategies for achieving several key SDGs. For instance, green chemistry offers innovative solutions for ensuring clean water and sanitation (SDG 6) by reducing toxic chemical releases into water systems, while simultaneously addressing climate action (SDG 13) through the development of low-carbon technologies and sustainable energy sources. Additionally, green chemistry supports responsible production and consumption (SDG 12) by advancing circular economy practices and fostering sustainable industrial processes.This chapter delves into the multifaceted contributions of green chemistry to global sustainability, illustrating how its principles can drive meaningful progress toward the UN-SDGs. Furthermore, it explores how green chemistry not only addresses current environmental challenges but also fosters innovation in the chemical industry, contributing to a sustainable future. By integrating these principles across industries, green chemistry can help create a more sustainable and resilient global economy while advancing the broader agenda of environmental stewardship, social well-being, and economic growth.	
Is the manuscript scientifically, correct? Please write here.	I am satisfy with the manuscript	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	1. **United Nations (2019).** *The role of chemistry in achieving the SDGs: A report by the United Nations Environment Programme (UNEP)*. UNEP.P.NO 25-38 (Chemistry and Sustainable Development); P.NO45-59 (Green Chemistry's Impact on SDGs) **2.European Commission (2019).** *Green chemistry for sustainable industries: Final report of the green chemistry task force*. European Commission.P.NO18-22 (Overview of Green Chemistry Principles); P.NO34-40 (Green Chemistry and Industrial Application to SDGs)	

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Is the language/English quality of the article suitable for scholarly communications?	YES	
Optional/General comments	**I am requesting you to publish this article in your journal**	

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)*	

Reviewer Details:

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