

Bahía Blanca 17th July

Dear Editorial Team of the Information System and Smart City Journal,

I am delighted to submit my manuscript, "**Remote Sensing Applications for Effective Fire Disaster Management Plans: A Review**", for consideration as a possible publication in your journal.

The paper aims to review the relationship between climate change and global warming with fire occurrences and analyze the significance of remote sensing techniques in studying fires at regional scales. The relevance of this research lies in determining how the scientific community, decision-makers, and stakeholders can act to mitigate and adapt to the negative effects of fires, climate change, and global warming. In this context, I have selected the Disaster Management Special Issue as the results of this manuscript contribute to Fire Disaster Management Plans, which are crucial tools for addressing these issues.

I have carefully chosen Pampas in Argentina as the study area. This region was selected due to its dependence on climate variability for its primary economic activities, particularly in the agricultural and livestock sectors. It is important to note that fires have significant consequences for the local and regional populations, including habitat loss, displacement, and changes in species composition. Studying fires in this region allows scientists to identify the vulnerability of animal species and assess population risks, which is vital for developing effective disaster management plans to safeguard biodiversity. Since agricultural activities and livestock production are key drivers of the economy in Pampas, fires have substantial risks. These fires can damage grazing lands, impact livestock health, and lead to soil erosion, underscoring the need for comprehensive fire management and mitigation strategies. Therefore, researching fires is crucial for understanding the ecological role of fires, their effects on biodiversity, and the resilience of ecosystems. This knowledge provides a solid foundation for developing strategies to protect and restore the natural balance worldwide.

Lastly, I take full responsibility for the appropriateness of the methods applied and the analysis conducted. I agree that this paper should be submitted to your journal and confirm that it has not been previously submitted to this or any other journal.

Sincerely,



Dr. Ferrelli Federico