Aman Srivastava¹

1 Indian Institute of Technology Kharagpur

Potential competing interests: No potential competing interests to declare.

The poem you've shared conveys a powerful message about the impact of climate change on the Earth and its inhabitants. It uses vivid imagery and a storytelling approach to communicate a moral lesson. The poem has a clear structure, with distinct sections that transition smoothly from one to another. It starts with the portrayal of an old lady's plight due to climate change, transitions to a heavenly council's response, and ends with a message to the inhabitants of the Earth.

The use of dialogue and character interactions (between the old lady, the heavenly council, and Gabriel) adds a narrative dimension to the poem, making it engaging and relatable. The poem incorporates religious imagery and themes effectively, creating a sense of divine intervention and responsibility. The poem employs vivid and evocative imagery. It paints a clear picture of the old lady's suffering, the heavenly council's actions, and the consequences of climate change, such as heatwaves, drought, and floods. The use of metaphor, like the Earth as God's footstool, is compelling and conveys a sense of stewardship. However, in some instances, the language becomes a bit verbose, which might impact the poem's flow and readability. Simplifying certain phrases could enhance comprehension without sacrificing depth. The poem maintains a consistent rhyme scheme, which contributes to its musicality and readability. While the rhyme is generally consistent, there are a few instances where it feels forced, potentially disrupting the flow.

The central theme of climate change and its devastating effects on the Earth is both relevant and urgent. It aligns with contemporary global concerns. In fact, the sixth assessment report of the Intergovernmental panel on Climate Change (IPCC) has repeatedly emphasized the negative impacts of irreversible climate change. There is a strong need to devise and implement decentralized adaptation, mitigation, and sustainable solutions to combat negative impacts of changing climate on sectors like surface and groundwater management in agriculture, rural and urban settings, and disaster prevention such as by mitigating floods, droughts, heatwaves, etc^{[1][2][3][4][5][6][7][8][9]}. The poem effectively conveys a moral message about human responsibility for the Earth's well-being. It highlights the consequences of neglecting this responsibility. By framing the issue within a religious context and involving angelic figures, the poem underscores the idea that taking care of the Earth is a sacred duty.

Overall, the poem effectively raises awareness about climate change and human responsibility for the environment. It encourages reflection on the consequences of neglecting our role as stewards of the Earth.

To enhance the poem's impact, some of the complex language and metaphors could be simplified for a broader audience. Some suggestions for Improvement include:

- · Consider revising and simplifying certain phrases to improve the poem's flow and accessibility.
- Ensure that the rhyme scheme feels natural and not forced.
- Further develop the characters and their interactions to create a more immersive narrative.
- Provide specific examples or statistics related to climate change to bolster the poem's argument.

The poem could serve as a starting point for broader discussions on climate change and environmental stewardship, particularly within religious and spiritual contexts. Exploring the use of poetry as a medium for conveying complex environmental issues and solutions could be a valuable avenue for future exploration.

References

- Ahmed Elbeltagi, Ali Raza, Yongguang Hu, Nadhir Al-Ansari, et al. (2022). <u>Data intelligence and hybrid metaheuristic</u> <u>algorithms-based estimation of reference evapotranspiration.</u> Appl Water Sci, vol. 12 (7). doi:10.1007/s13201-022-01667-7.
- ^(2022). Observed Impacts, Future Risks, and Adaptation Solutions: Highlights from the Recent Intergovernmental Panel on Climate Change (IPCC) Working Group II Report. doi:10.7249/cta1968-1.
- Aman Srivastava, Rajib Maity, Venkappayya R. Desai. (2022). <u>Assessing Global-Scale Synergy Between Adaptation</u>. <u>Mitigation, and Sustainable Development for Projected Climate Change</u>. doi:10.1007/978-3-031-15501-7_2.
- 4. [^]Aman Srivastava, Pennan Chinnasamy. (2023). <u>Watershed development interventions for rural water safety, security,</u> <u>and sustainability in semi-arid region of Western-India.</u> Environ Dev Sustain. doi:10.1007/s10668-023-03387-7.
- 5. [^]Ahmed Elbeltagi, Aman Srivastava, Jinsong Deng, Zhibin Li, et al. (2023). <u>Forecasting vapor pressure deficit for</u> <u>agricultural water management using machine learning in semi-arid environments.</u> Agricultural Water Management, vol. 283, 108302. doi:10.1016/j.agwat.2023.108302.
- [^]Pennan Chinnasamy, Aman Srivastava. (2021). <u>Revival of Traditional Cascade Tanks for Achieving Climate</u> <u>Resilience in Drylands of South India.</u> Front. Water, vol. 3 . doi:10.3389/frwa.2021.639637.
- Ahmed Elbeltagi, Aman Srivastava, Nand Lal Kushwaha, Csaba Juhász, et al. (2022).<u>Meteorological Data Fusion</u> <u>Approach for Modeling Crop Water Productivity Based on Ensemble Machine Learning.</u> Water, vol. 15 (1), 30. doi:10.3390/w15010030.
- Chaitanya B. Pande, Nadhir Al-Ansari, N. L. Kushwaha, Aman Srivastava, et al. (2022). Forecasting of SPI and <u>Meteorological Drought Based on the Artificial Neural Network and M5P Model Tree.</u> Land, vol. 11 (11), 2040. doi:10.3390/land11112040.
- Aman Srivastava, Shubham Jain, Rajib Maity, Venkappayya R. Desai. (2022). <u>Demystifying artificial intelligence</u> <u>amidst sustainable agricultural water management.</u> doi:10.1016/b978-0-323-91910-4.00002-9.