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Local Precarity and Global Crisis: Human Vulnerability in Climate Change Narratives in Barbara Kingsolver's *Flight Behaviour* and Kim Stanley Robinson's *The Ministry for the Future*

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ABSTRACT

Climate fiction, also known as "cli-fi," has emerged as a crucial storytelling genre for exploring the intricate dimensions of the Anthropocene, particularly the disproportionate impacts of environmental degradation on vulnerable populations. This article looks at Barbara Kingsolver's Flight Behaviour and Kim Stanley Robinson's The Ministry for the Future as two different but linked studies of how climate change makes individuals more likely to be hurt. Kingsolver looks at the "slow violence" of environmental changes in a certain disadvantaged area of the Appalachian Mountains, where a lack of information and economic instability make people especially vulnerable. Robinson, on the other hand, looks at the world as a whole. He starts with a terrible drought in India and uses structural, institutional, and psychological ways to show how the world is about to fall apart. Kingsolver talks on the personal and gendered barriers to understanding and adapting to climate change, while Robinson talks about the weakness of "voiceless" groups like future generations and the stateless, and the big changes that institutions need to undertake to be alive. This essay argues that being vulnerable is not just a physical state, but also a social and political one that is affected by class, geography, and institutional agency. This is shown by comparing these works. These literary works show that solving the climate crisis requires both the "practical hope" of personal change and a complete restructuring of global governance.

Introduction

The rise of climate fiction, or "cli-fi," has given us a much-needed story framework for understanding the Anthropocene, which is the time when human activity has become the most important factor in climate and the environment. Barbara Kingsolver's Flight Behaviour and Kim Stanley Robinson's The Ministry for the Future are two of the most important books in this growing genre. Each one gives a different but complimentary view of how fragile humans are. These novels function on a dualistic framework, analysing the climate crisis from both micro-local and macro-global perspectives.

Kingsolver uses a realistic, homely style to show how changes in the environment affect the lives of poor people in rural areas. Robinson, on the other hand, uses a broad, institutional view to picture the structural and political changes that need to happen to stop a planetary extinction event. Both authors intentionally transcend the conventional literary motif of "Man against Nature," which frequently portrays the environment as a hostile adversary to be vanquished. Instead, they show the climate as a system where everything is connected and where people are already deeply, and maybe dangerously, involved. By rooting their stories in what can be called "base reality," they take away the escape that is common in speculative fiction and make the reader face the intricate processes of adaptation and the deep emotional agony that comes with losing a stable world.

Barbara Kingsolver's Flight Behaviour is set in rural Tennessee, which is a small, close-knit community. This is where the global ecological disaster takes place. The story is told from the point of view of Dellarobia Turnbow.She's a woman unhappy with her lot, her days consumed by the needs of her children, the limitations of their finances, and the obligations of her husband's family's farm.When a huge colony of monarch butterflies that has been moved to her mountain shows up, it wakes Dellarobia up to the realities of climate change. This is because the weather patterns are changing. Dellarobia and her community perceive a direct correlation between the environmental crisis and their precarious economic situation. Kingsolver argues that the "Man against Nature" story seems inherently "hopeless" to those living in poverty. Dellarobia, for instance, sees this conflict as ultimately doomed, since "Man loses." This perspective highlights how vulnerable people without resources are to unexpected environmental changes.The novel posits that climate change is not a distant danger, but rather a present-day reality that exacerbates social and economic disparities. Consequently, a local hillside transforms into a site of profound existential and scientific contention.

In contrast, Kim Stanley Robinson's The Ministry for the Future deals with the catastrophe on a worldwide scale, starting with a terrible heat wave in India that kills millions of people. This occurrence

is the "base reality" that wakes up the world from its complacency and leads to the formation of the Ministry, an international organization that fights for the rights of future generations. Robinson's work leans more toward the clichés of science fiction by showing geoengineering and big changes in the economy. However, it is still very well-researched and focused on how institutions actually respond.

Robinson examines the evolution of global systems-finance, law, and international policy-in response to catastrophic loss. This story shows that human vulnerability isn't simply personal or local; it's also institutional. The book looks at the "unfair systems" that decide which areas are preserved by riches and which are sacrificed to heat and rising seas. Both of these novels together give a whole picture of what it's like to be a modern person. Kingsolver shows how heartbreaking it is when the seasons change in a single backyard, while Robinson shows how violent and desperate the fight to save a planet that is falling apart is. Both say that to survive in a world that is always changing, we need to rethink how we value life on both a local and global basis.

Barbara Kingsolver's Flight Behavior: Local Precarity and the Slow Violence of Poverty

In Flight Behaviour, the socio-economic conditions of Appalachia are closely linked to how weak people are. Dellarobia Turnbow, the main character, lives in a state of "immobile and stable" inequality, where her life is limited by barriers related to geography, economics, and education. Rob Nixon coined the term "slow violence" to describe climate change, which is a type of violence that happens slowly and out of sight, often affecting the world's poorest people. This is what makes her vulnerable.

The Butterflies as Climate Refugees

The arrival of millions of monarch butterflies in the woods of Feathertown, Tennessee, is the principal metaphor for relocation. These butterflies are "refugees from climate change." They had to abandon their regular homes in Mexico because of harsh weather and the deterioration of their habitat. Dellarobia thinks of the butterflies as a miracle, like the "burning bush" in the Bible. This shows how different scientific truths and religious beliefs are in rural America. This "clash of belief systems" is a significant reason why people are weak. Dellarobia's group is still exposed to changes in the environment and political manipulation since they don't know how to see how the world is changing.

Gender, Class, and Climate Literacy

Kingsolver shows that only the rich and mobile can understand "climate change." The difference between Dellarobia's world and Ovid Byron's world is very clear when they meet. The butterflies

represent data points in a global issue for Ovid and his crew. For Dellarobia's family, the forests are a supply of wood to pay off obligations. Because the economy is so unstable, the community can't do much to help the environment. Kingsolver points out an interesting "paradox of the carbon footprint": Dellarobia follows many environmental tips without even realising it because she is poor. For example, she buys used items, reduces waste, and avoids flying. Her tiny carbon footprint is a result of her being weak, not a choice she made for the earth. This makes the link between poverty and sustainability more dramatic by illustrating that the people who do the least to cause global warming are frequently the ones who are most affected by it.

Trauma and Reproduction

The issue of reproduction and "difficult births" in the text also looks at how weak humans are. Dellarobia's tragic experience with the death of her first kid is reflected in the uncertain future of the monarchs, who are trying to survive a strange winter storm. Kingsolver's ecofeminist approach focuses on how fragile both human and non-human life is, and how an unstable environment can make it harder for species to reproduce. Dellarobia's personal transformation, from a condition of silent desperation to obtaining an education, exemplifies a sort of "practical hope" that adaptation is feasible even in a world "unravelling into fire and flood."

Kim Stanley Robinson's The Ministry for the Future: Global Catastrophe and Institutional Agency

If Kingsolver's work is about the local and the intimate, Kim Stanley Robinson's The Ministry for the Future is a big, worldwide look at systemic vulnerability. The book starts with a terrible mass casualty event: a heat wave in Uttar Pradesh, India, that kills millions of people in just a few days. This terrible introduction shows right away how weak the human body is under high heat, as wet-bulb temperatures go above what people can handle.

The Trauma of Survival: Frank May

Frank May, a humanitarian worker who survives the heatwave, is the main literary example of Climate-related Post-Traumatic Stress Disorder. Frank met the statutory criteria for PTSD since he showed signs of having been exposed to real death for a long time. His anguish is not only individual but emblematic of a "collective history of suffering" that climate change will impose on the globe. Frank's spiral into "madness" and his eventual radicalisation show how easy it is for people to lose their minds when they see how badly current systems fail to safeguard life.

The Ministry and the Voiceless

The "Ministry for the Future" is a UN organization that was set up to speak for the "voiceless," or groups that can't speak for themselves in politics. This includes animals, plants, and, most importantly, future generations. The book says that future generations are naturally at a disadvantage since they are "downstream" in time, "mute" in current planning, and can't bargain for fair treatment. Robinson examines the notion of "intergenerational justice" by establishing an agency to advocate for the yet-to-be-born. In this case, human susceptibility is temporary; we are subject to the "short-termism" of today's political and economic systems, which put short-term profit ahead of long-term survival.

Systemic Vulnerability and Economic Reform

Robinson's work examines the fragility inherent in worldwide infrastructures. He argues that an "extreme rationality," characterized by a singular focus on profit generation while disregarding the catastrophic consequences of climate change, constitutes a form of madness. The central character, Mary Murphy, is tasked with navigating the intricate world of global finance to enact the "Carbon Coin," a novel currency designed to incentivise carbon sequestration. Robinson posits that human vulnerability is perpetuated by a global economic structure that externalises environmental concerns. Consequently, only through the establishment of a radical "good Anthropocene," a world defined by greater sustainability and equity, can this vulnerability be effectively addressed. This requires "active hope" and collaboration across borders, from the geoengineering efforts to re-ice the poles to the grassroots activism of groups like the "Children of Kali."

Comparative Analysis: Intersecting Vulnerabilities

A comparative examination of Flight Behaviour and The Ministry for the Future reveals several key themes regarding how human vulnerability is portrayed in the 21st century.

Slow Violence vs. Acute Catastrophe

Kingsolver and Robinson show how climate-related violence happens at different speeds. Kingsolver's Appalachia experiences the "slow violence" of changing seasons and a declining economy, while Robinson's India has the "acute event" of mass mortality.But both say that class affects how vulnerable someone is. People who don't have air conditioning or reliable power are the ones who are hurt by the heat wave in India. In Tennessee, people whose jobs depend on a stable climate that they

can't forecast are the ones who are hurt. Both books show that "under the current globalisation regime," there are winners and losers in every country.The losers are always the most vulnerable people.

The Role of Knowledge and Science

In both books, knowledge gives people power, but it may also lead to "enlightened despair." Dellarobia learns about the monarchs' impending fate in Flight Behaviour, which causes her feel "solastalgia," or sadness caused by environmental change. at the same way, Mary Murphy's job at The Ministry for the Future makes her face the scientific truth that the planet is on the verge of a "Sixth Mass Extinction." But both books don't agree with absolute nihilism. Robinson's "utopian in the making" perspective posits that alternatives to modern lives can be realised through community effort, whereas Kingsolver derives optimism from the individual agency of a woman liberating herself from her "personal restrictions.

Intergenerational and Interspecies Vulnerability

Both authors utilise non-human mirrors to illustrate human vulnerability. Kingsolver focuses on the monarch butterflies, while Robinson emphasises the "mute" future generations and the deteriorating cryosphere. Both works support a "ecofeminist" or "intersectional" concept of justice by broadening the definition of vulnerability to include these groups. Climate vulnerability is not solely concerned with human survival; it encompasses the preservation of the full "three ecologies"- the environment, social interactions, and human subjectivity.

Conclusion

Barbara Kingsolver and Kim Stanley Robinson demonstrate that climate change transcends the realm of scientific inquiry, emerging instead as a profound human predicament that exposes fundamental vulnerabilities. Flight Behavior illustrates how the climate crisis is perceived through the prisms of socioeconomic status, gender, and educational attainment, emphasizing that both "human and non-human life" share a precarious existence.The Ministry for the Future asks us to think about the big, systemic changes we need to make to protect the "voiceless" and create a "good Anthropocene" based on working together instead of taking advantage of people.These novels are a kind of "literary activism" that makes the abstract risks of the Anthropocene real and human, which changes how people think. They show that even while "Man loses" when he fights nature directly, humanity may still be able to "muddle through" if we can fix the structural problems that make us so weak. Both Kingsolver and Robinson end with a

vision in which vulnerability is not the end of the tale but a way to change, feel compassion, and see our place in the web of life in a new way.

References

- Bessant, Judith, Audrey Prost, and Rob Watts. "Intergenerational Climate Justice: Applying Theory to Policy in the Anthropocene." *Journal of Environmental Policy & Planning*, vol. 27, no. 1, 2025.
- Bump, Jerome. "Climate Change, PTSD, and Cultural Studies. Book Review: Robinson. The Ministry for the Future: A Novel." *Environmental Humanities*, vol. 14, no. 2, 2022.
- Caney, Simon. "Global Climate Governance, Short-Termism, and the Vulnerability of Future Generations." *Ethics & International Affairs*, vol. 36, no. 2, 2022, pp. 137-155.
- Chauhan, Neelam, and Rafat Khanam. "Narrating Vulnerability: Climate Fiction and Adaptation in Robinson's The Ministry for the Future." *International Journal of Research in English*, vol. 7, no. 2, 2025, pp. 887-892.
- Crutchfield, Parker. "Protecting Future Generations by Enhancing Current Generations." *Bioethics*, vol. 37, no. 4, 2023.
- Fairfield, Catherine. "Learning to Read Outside: The Vital Role of Feminist Literature in Creating Lively Futures Amidst Environmental Change." *Environmental Literature Studies*, vol. 12, no. 3, 2021.
- Francis, Ashna. "Decoding Cli-Fi Dynamics in Barbara Kingsolver's Flight Behaviour." *Journal of Eco-Criticism*, vol. 13, no. 1, 2021.
- Hoydis, Julia, Roman Bartosch, and Jens Martín Gurr. "Climate Change Literacy." *Green Humanities*, vol. 15, no. 2, 2023.
- Johns-Putra, Adeline. "Climate Change in Literature and Literary Studies: From Cli-fi, Climate Change Theater and Ecopoetry to Ecocriticism and Climate Change Criticism." *Wiley Interdisciplinary Reviews: Climate Change*, vol. 7, no. 2, 2016, pp. 266-282.
- Kidder, Richard. "Some Examples of the Ecogothic in Contemporary English Language Fiction." *Gothic Studies*, vol. 20, no. 1, 2018.
- Kingsolver, Barbara. *Flight Behavior*. Harper, 2012.
- Maleska, Kalina. "Environmental Threats in American and Macedonian Dystopian Fiction." *Comparative Literature Studies*, vol. 60, no. 2, 2023.

- Milner, Andrew, and J.R. Burgmann. *Science Fiction and Climate Change*. Liverpool University Press, 2020.
- Nikoleris, Alexandra, Johannes Stripple, and Paul Tenngart. "Narrating Climate Futures: Shared Socioeconomic Pathways and Literary Fiction." *Climatic Change*, vol. 143, no. 3, 2017, pp. 307-319.
- Papanikitas, Andrew. "Three Novels for Planetary Health." *The Lancet Planetary Health*, vol. 7, no. 2, 2023.
- Rao, T. Eswar. "Woman and Climate Change in Barbara Kingsolver's Flight Behaviour." *Journal of Literature and Science*, vol. 14, no. 1, 2021.
- Robinson, Kim Stanley. *The Ministry for the Future*. Orbit, 2020.
- Sathiyarajan, N. "The Future of Climate Change and Ecofeminism in Barbara Kingsolver's Novels." *Thesis, Department of English*, 2023.