

# Environmental History and Postcolonial Memory in Amitav Ghosh's Novels

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## ABSTRACT

This paper examines the intersection of environmental history and postcolonial memory in the novels of Amitav Ghosh, focusing on how literary narratives recover ecological pasts shaped by colonialism, displacement, and exploitation. It argues that Ghosh's fiction functions as an alternative historical archive in which landscapes, rivers, forests, and oceans retain memories of imperial violence and environmental transformation. By foregrounding marginalised communities, oral histories, and non-human agencies, Ghosh challenges linear, anthropocentric historiography and exposes the ecological consequences of colonial modernity. His narrative strategies—fragmented temporality, polyphonic voices, and transnational settings—enable a reimaging of history that links environmental degradation with cultural amnesia and historical injustice. The study situates Ghosh's work within postcolonial ecocriticism and environmental humanities, demonstrating that contemporary ecological crises cannot be understood without acknowledging their historical roots in empire and capitalism.

**Keywords:** Environmental history; Postcolonial memory; Ecocriticism; Colonialism and ecology; Narrativization and environment

## I INTRODUCTION

The relationship between environmental history and postcolonial memory has emerged as a crucial area of inquiry in contemporary literary studies, particularly in the context of societies shaped by colonial exploitation and ecological transformation. Environmental history, understood as the study of interactions between human societies and the natural world over time, gains deeper resonance when examined through postcolonial memory, which foregrounds

suppressed, marginalised, and unofficial histories produced under empire. In this intersection, literature functions not merely as representation but as an alternative archive that records ecological change, displacement, and loss alongside cultural remembrance. The novels of Amitav Ghosh offer a compelling site for such an investigation, as they consistently reveal how landscapes, rivers, forests, and oceans are entangled with histories of colonialism, migration, and violence. Ghosh's fiction challenges linear, state-centred historiography by recovering environmental pasts embedded in memory, oral narratives, and everyday survival practices, thereby exposing how colonial modernity reshaped both nature and consciousness. His narratives frequently situate ecological change within the longue durée of imperial expansion, capitalist extraction, and scientific rationality, demonstrating that environmental degradation is inseparable from historical processes of domination and dispossession. At the same time, Ghosh foregrounds postcolonial memory as a mode of resistance, enabling marginalised communities to articulate alternative relationships with land and water that contest official narratives of progress and development. Through fragmented storytelling, multiple temporalities, and transnational settings, his novels reveal how environmental histories are remembered not as static records but as living, affective experiences shaped by trauma, adaptation, and resilience. By examining environmental history through postcolonial memory, this study seeks to illuminate how Ghosh reimagines the past in order to critique the present, particularly the ongoing ecological crises rooted in colonial and imperial legacies. The paper therefore argues that Ghosh's work contributes significantly to postcolonial ecocriticism by demonstrating that environmental catastrophe cannot be understood without

addressing historical injustice and cultural amnesia. In recovering forgotten ecological histories and voices from the margins, his novels urge readers to rethink humanity's relationship with nature as a historical, ethical, and political question rather than a purely scientific or technical problem.

## Purpose of the Study

The purpose of this study is to critically examine how environmental history is represented, remembered, and reinterpreted through postcolonial memory in the novels of Amitav Ghosh. The study seeks to analyse how Ghosh's narratives recover suppressed ecological histories shaped by colonial exploitation, displacement, and scientific rationality, and how these histories are preserved through cultural memory, oral traditions, and marginalised voices. It aims to explore the ways in which landscape and environment function not merely as settings but as active historical agents that bear witness to imperial violence and ecological change. By situating Ghosh's fiction within postcolonial ecocriticism and environmental humanities, the study also intends to demonstrate how literary texts can challenge dominant historiographies and contribute to a deeper understanding of contemporary environmental crises as historically produced phenomena rooted in colonial and capitalist legacies.

## Significance of the Study

The significance of this study lies in its interdisciplinary approach, which brings together environmental history, postcolonial memory, and literary analysis to offer a nuanced understanding of ecological representation in the novels of Amitav Ghosh. By foregrounding the historical roots of contemporary environmental crises, the study highlights how ecological degradation in postcolonial regions is inseparable from colonial exploitation, imperial knowledge systems, and economic extraction. It contributes to postcolonial ecocriticism by demonstrating how literary narratives function as alternative archives that preserve suppressed environmental histories and voices excluded from official historiography. The study also underscores the ethical and political role of memory in challenging dominant narratives of

development and progress, thereby enriching debates within environmental humanities. Academically, this research expands critical engagement with Ghosh's work by situating his fiction within broader discussions of history, ecology, and memory. More broadly, it encourages readers to rethink human–nature relationships as historically conditioned, culturally mediated, and deeply entangled with questions of power and justice.

## Theoretical Framework

The theoretical framework of this study is grounded in an interdisciplinary convergence of postcolonial theory, memory studies, and environmental humanities, enabling a comprehensive analysis of environmental history and postcolonial memory in the novels of Amitav Ghosh. Postcolonial theory provides the primary lens for understanding how colonial power restructured landscapes, economies, and knowledge systems through practices of extraction, plantation agriculture, forestry, and maritime trade, leaving enduring ecological and cultural scars. Within this framework, environmental history is approached not as a neutral chronicle of natural change but as a narrative shaped by imperial domination, scientific rationality, and capitalist expansion. Memory studies further enrich this analysis by emphasising cultural memory as a counter-historical force that preserves experiences of displacement, ecological loss, and survival excluded from official archives. Through concepts such as subaltern histories, the study foregrounds marginalised communities whose lived relationships with land and water embody alternative ecological knowledge systems. The notion of ecological imperialism is employed to examine how colonial regimes transformed environments in the service of empire, while the concept of slow violence illuminates the gradual, often invisible, environmental harm inflicted on colonised regions and vulnerable populations over time. Together, these theoretical perspectives allow for an interpretation of Ghosh's narratives as sites where environment, history, and memory intersect, revealing how ecological transformation is inseparable from historical injustice. This integrated framework thus facilitates a critical reading of Ghosh's fiction as an ethical and political intervention that challenges dominant

historiographies and reimagines the environment as a historical and mnemonic agent.

## Memory, History, and Narrative Form

- **Memory as Counter-History**

In the novels of Amitav Ghosh, memory functions as a critical counter-history that challenges dominant colonial and nationalist narratives. Official histories often privilege political events, imperial achievements, and developmental milestones, marginalising experiences of ecological loss, displacement, and everyday survival. Ghosh's fiction foregrounds personal recollections, oral traditions, myths, and local knowledge systems as alternative historical sources through which suppressed environmental pasts are recovered. Memory in this sense is not a passive act of recollection but an active process of resistance that exposes the silences and exclusions of formal historiography. By privileging remembered experience over archival authority, Ghosh reveals how landscapes and ecosystems retain traces of colonial violence, ecological transformation, and human suffering that continue to shape postcolonial realities.

- **Fragmented Temporality and Narrative Structure**

Ghosh's narrative form is marked by fragmented temporality that disrupts linear, progress-oriented models of history associated with colonial modernity. His novels frequently move across generations, geographies, and historical moments, creating a layered temporal structure in which past and present coexist. This fragmentation reflects the uneven nature of postcolonial memory, shaped by migration, rupture, and loss, while also mirroring the slow and cumulative rhythms of environmental change. By juxtaposing historical events with contemporary experiences, Ghosh underscores the persistence of colonial ecological legacies in the present, suggesting that history remains embedded within living environments rather than confined to the past.

- **Polyphony and Subaltern Voices**

Another defining feature of Ghosh's narrative strategy is polyphony, or the presence of multiple voices that destabilise singular interpretations of

history. Marginalised communities—fisherfolk, migrants, indigenous groups, and subaltern labourers—occupy central narrative positions, articulating ecological knowledge and memory excluded from official records. This multiplicity challenges hierarchical historiography by presenting environmental history as a collective and contested field of experience. Through diverse perspectives, Ghosh highlights how environmental change is lived differently across social and cultural locations, revealing the uneven distribution of ecological risk and resilience.

- **Narrative Ethics and Ecological Memory**

The convergence of memory, history, and narrative form in Ghosh's work establishes literature as an ethical space for remembering environmental injustice. Landscapes assume narrative agency, functioning as living archives that register histories of extraction, displacement, and adaptation. By transforming environment into a bearer of memory, Ghosh redefines narrative as a mode of ethical witnessing that resists historical amnesia. His fiction thus demonstrates that remembering environmental history is not merely an intellectual exercise but a moral imperative, essential for understanding postcolonial identity and responding responsibly to contemporary ecological crises.

## II LITERATURE REVIEW

Scholarly engagement with the works of Amitav Ghosh has increasingly foregrounded the interconnections between ecology, history, and colonial power, particularly in relation to environmental memory and postcolonial critique. Ghosh's *The Hungry Tide* has been widely recognised as a foundational text in postcolonial ecocriticism, owing to its complex representation of the Sundarbans as both a fragile ecosystem and a historically charged space. Early critical responses emphasise how the novel destabilises anthropocentric and developmentalist views of nature by foregrounding tides, mangroves, and non-human life as active historical forces. Scholars note that the novel challenges conventional binaries between nature and culture, instead presenting the environment as inseparable from histories of displacement, conservation politics, and colonial governance. This positioning of landscape as a bearer of memory has been central

to subsequent critical debates on environmental history in Ghosh's fiction.

Recent ecocritical studies further deepen this analysis by focusing on marginalisation, displacement, and subaltern ecological knowledge. Biswas and Channarayapatna interpret *The Hungry Tide* through the lens of the Marichjhapi massacre, arguing that ecological conservation in the Sundarbans is historically entangled with state violence and exclusion. Their comparative reading situates the novel alongside contemporary non-fiction narratives to demonstrate how environmental protection often reproduces colonial logics of control. Similarly, Bhushan's ecocritical reading highlights how Ghosh exposes the contradictions of modern environmentalism, particularly its failure to accommodate the lived realities of forest-dependent and riverine communities. These studies collectively emphasise that environmental history in Ghosh's work is inseparable from social justice, revealing how ecological spaces are politicised through colonial and postcolonial power structures.

Other scholars have focused on the symbolic and affective dimensions of nature in Ghosh's narratives. Nivetha examines the influence of natural forces in *The Hungry Tide*, arguing that tides, storms, and animals function as narrative agents that shape human destinies and ethical choices. This approach underscores the novel's challenge to linear historical thinking by foregrounding cyclical and unpredictable environmental rhythms. Anonymous scholarship on postcolonial ecocritical dynamics similarly stresses that Ghosh's representation of nature resists romanticisation, instead portraying ecological spaces as contested terrains shaped by historical trauma, memory, and survival. Together, these studies reinforce the idea that environmental memory in Ghosh's fiction operates as a counter-discourse to state-centred and colonial narratives of development and progress.

Beyond *The Hungry Tide*, Ghosh's broader oeuvre has been read as a sustained engagement with environmental history on a global scale. *Sea of Poppies* situates ecology within the colonial economy of opium, maritime trade, and forced migration, revealing how environmental exploitation underpinned imperial capitalism. His

non-fiction works, *The Great Derangement* and *The Nutmeg's Curse*, have significantly shaped contemporary debates by explicitly linking climate change to colonial history and epistemic violence. Critics note that these texts extend the concerns of his fiction by theorising the failure of modern historical imagination to account for environmental causality. Collectively, the existing literature establishes Ghosh as a key figure in postcolonial environmental thought, while also indicating a critical gap that this study addresses: a sustained synthesis of environmental history and postcolonial memory across his fictional and non-fictional writings.

### III ENVIRONMENTAL MEMORY AND PLACE IN THE HUNGRY TIDE

- The Sundarbans as a Site of Environmental Memory

In *The Hungry Tide*, the Sundarbans emerge as a dynamic ecological landscape saturated with historical and environmental memory. Rather than functioning as a passive backdrop, the tidal rivers, mangrove forests, and shifting islands embody layered histories of human settlement, colonial intervention, and ecological vulnerability. The region's unstable geography, shaped by tides and cyclones, reflects the fragility of human attempts to impose permanence on nature. Environmental memory in the Sundarbans is embedded in place itself, where land repeatedly appears and disappears, resisting cartographic certainty and administrative control. This instability challenges colonial and modern assumptions of mastery over nature, foregrounding an environment that remembers and responds to historical intrusion.

- Colonial Legacies and Displacement

The novel foregrounds colonial environmental policies, particularly forest conservation and settlement schemes, as sources of long-term displacement and trauma. Colonial forestry laws transformed the Sundarbans into a regulated space, criminalising traditional livelihoods such as fishing and honey collection. These policies disrupted existing relationships between communities and the environment, producing ecological refugees whose histories remain marginalised. Environmental memory in the novel preserves these experiences of forced migration and loss,

revealing how conservation, framed as scientific progress, often functioned as a tool of exclusion. By situating contemporary conflicts within these historical legacies, the novel exposes the continuity between colonial governance and postcolonial environmental injustice.

- **Subaltern Ecological Knowledge and Lived Memory**

A central dimension of environmental memory in *The Hungry Tide* lies in the lived ecological knowledge of marginalised communities, particularly fisherfolk and river-dependent populations. Their intimate understanding of tides, animal behaviour, and seasonal rhythms represents a form of memory transmitted through practice rather than written records. This subaltern ecological memory contrasts sharply with institutional scientific knowledge, which often fails to account for the complexities of local environments. Through these perspectives, the novel validates experiential knowledge as a legitimate historical archive, emphasising that environmental history is preserved not only in documents but in embodied survival strategies shaped by generations of interaction with place.

- **Ethics of Coexistence and Environmental Witnessing**

The narrative ultimately frames environmental memory as an ethical challenge, compelling characters and readers to reconsider human–nature relationships. Encounters with natural forces and non-human life underscore the limits of anthropocentric thinking, while moments of loss and survival highlight the moral consequences of ecological intervention. Place in *The Hungry Tide* thus becomes a site of ethical witnessing, where memory insists on accountability for past and present actions. By portraying the Sundarbans as a living archive of ecological and human history, the novel demonstrates that environmental memory is essential for imagining more just and sustainable forms of coexistence in postcolonial contexts.

#### **IV EMPIRE, ECOLOGY, AND HISTORICAL MEMORY IN THE GLASS PALACE**

- **Imperial Expansion and Ecological Transformation**

In *The Glass Palace*, empire is presented as an ecological force that reshapes landscapes alongside political boundaries. The novel traces British imperial expansion across Burma, India, and Malaya, revealing how conquest was accompanied by the systematic exploitation of forests, plantations, and mineral resources. Teak forests, in particular, symbolise the entanglement of ecology and empire, as they are transformed from communal ecological spaces into commodities serving imperial markets. This ecological transformation is inseparable from the exercise of power, as environmental control enables military infrastructure, commercial profit, and territorial domination. By foregrounding these processes, the novel situates environmental history at the centre of imperial memory, challenging narratives that separate political conquest from ecological exploitation.

- **Environment as Archive of Colonial Violence**

The landscapes in *The Glass Palace* function as living archives that register the violence of empire. Forests cleared for timber, plantations cultivated through coerced labour, and battlefields scarred by war carry traces of historical trauma that persist beyond the moment of conquest. These environments remember what official histories often suppress: the suffering of labourers, soldiers, and displaced communities whose lives were shaped by imperial ambition. Ecological degradation thus becomes a form of historical evidence, inscribed on land rather than preserved in written records. Through this representation, the novel expands the concept of historical memory to include non-human witnesses, positioning nature itself as a bearer of colonial history.

- **Migration, Labour, and Transnational Ecologies**

Historical memory in the novel is deeply connected to patterns of migration and labour that accompanied imperial expansion. The movement of workers across the Indian Ocean world links distant ecologies through shared histories of exploitation and survival. Plantation economies and military campaigns created transnational environments in which human mobility and ecological transformation were mutually

reinforcing. These interconnected spaces challenge nation-centred histories by revealing empire as a network of ecological and social exchanges. The novel's transnational scope highlights how environmental history operates across borders, producing hybrid landscapes shaped by migration, commerce, and imperial power.

- **Remembering Empire through Ecological Loss**

The narrative ultimately frames ecological loss as central to remembering empire. Personal and collective memories of displacement, war, and environmental change intersect to expose the enduring consequences of imperial domination. By weaving individual lives into broader ecological histories, the novel demonstrates that memory is essential for understanding the long-term impacts of empire on both people and environments. *The Glass Palace* thus redefines historical memory as an ecological process, insisting that the legacy of empire must be read not only in political institutions but in altered landscapes and damaged ecosystems that continue to shape postcolonial worlds.

## Climate Change and the Crisis of Historical Imagination in *The Great Derangement*

- **Climate Change and Narrative Failure**

In *The Great Derangement*, Amitav Ghosh argues that climate change represents not only an environmental crisis but also a profound failure of the modern historical and literary imagination. He contends that dominant narrative forms, particularly the realist novel shaped by bourgeois modernity, are structurally ill-equipped to represent the scale, unpredictability, and non-human agency of climate change. Extreme weather events, ecological disruptions, and planetary transformations appear implausible within literary conventions that privilege probability, individual agency, and social realism. As a result, climate catastrophe is marginalised as aberration rather than recognised as a central historical force. This narrative failure, Ghosh suggests, reflects deeper cultural assumptions inherited from colonial modernity that separate human history from natural

history, rendering environmental change invisible within mainstream historical consciousness.

- **Colonial Modernity and Historical Amnesia**

Ghosh situates this crisis of imagination within the legacy of colonial modernity, which promoted a vision of progress grounded in industrial expansion, fossil-fuel dependence, and imperial extraction. Colonial histories normalised environmental transformation as a necessary cost of civilisation, fostering a form of historical amnesia regarding ecological violence. In this framework, nature was treated as a passive backdrop to human achievement rather than an active agent shaping historical outcomes. *The Great Derangement* critiques this separation by revealing how colonial and capitalist systems produced the very conditions that underpin contemporary climate crisis. The refusal to integrate environmental history into political and cultural narratives thus becomes an ethical failure, obscuring responsibility and reinforcing global inequalities, particularly as formerly colonised regions bear the brunt of climate impacts.

- **Reimagining History through Environmental Memory**

A key intervention of the text lies in its call to reimagine history through environmental memory. Ghosh urges a reconceptualisation of history that acknowledges non-human forces—storms, seas, climate systems—as historical actors rather than external disruptions. By foregrounding lived experiences of environmental instability, especially in vulnerable postcolonial contexts, he demonstrates how climate change revives suppressed ecological histories of empire, migration, and exploitation. Environmental memory becomes a means of reconnecting past and present, revealing climate change as a cumulative outcome of historical processes rather than a sudden contemporary crisis. This approach challenges linear historiography and demands a broader temporal and spatial imagination.

- **Literature, Ethics, and Planetary Responsibility**

Ultimately, *The Great Derangement* frames the crisis of historical imagination as an ethical

problem that literature and the humanities must confront. Ghosh calls for new narrative forms capable of representing planetary interdependence, ecological risk, and collective responsibility. By insisting that climate change be recognised as a central historical phenomenon, the text repositions literature as a crucial site for ethical reflection and cultural transformation. In doing so, it reinforces the necessity of integrating environmental history and postcolonial memory to address the moral and political challenges of the Anthropocene, urging a rethinking of humanity's place within a shared, fragile planet.

## **Subaltern Lives, Ecology, and Remembered Histories**

- Marginalised Communities as Ecological Subjects**

In the writings of Amitav Ghosh, subaltern communities such as fisherfolk, migrants, and indigenous groups occupy a central position as ecological subjects whose lives are inseparable from the environments they inhabit. Rather than portraying them as passive victims of environmental change, Ghosh foregrounds their active engagement with land, rivers, forests, and seas, emphasising their adaptive strategies and experiential knowledge. These communities live at the ecological margins—coastal deltas, borderlands, forests—where environmental instability is a daily reality. Their proximity to vulnerable landscapes renders them particularly sensitive to ecological shifts, allowing them to perceive environmental change not as abstraction but as lived history. Through such representations, Ghosh challenges elite and technocratic perspectives that dominate environmental discourse, repositioning subaltern lives as central to understanding ecological reality.

- Lived Experience as Environmental Archive**

Ghosh's narratives treat subaltern experience as a form of environmental archive that preserves histories absent from written records. Oral storytelling, customary practices, and everyday labour encode ecological memory accumulated over generations. Fisherfolk who read tidal rhythms, forest dwellers who understand animal behaviour, and migrants who carry memories of

lost landscapes embody alternative ways of knowing the environment. These forms of knowledge resist colonial and state-centred historiography, which often privileges scientific data and administrative documentation while dismissing local expertise as anecdotal or irrational. By validating lived experience as historical evidence, Ghosh expands the scope of environmental history to include embodied, affective, and communal memory.

- Resistance to Colonial and State Narratives**

Subaltern ecological memory in Ghosh's work functions as a mode of resistance against dominant narratives of progress, development, and conservation. Colonial regimes frequently criminalised indigenous livelihoods in the name of environmental management, while postcolonial states have continued similar practices through exclusionary development and conservation policies. Ghosh's depiction of marginalised communities exposes how such narratives mask ongoing dispossession and ecological injustice. Remembered histories of displacement, hunger, and survival challenge the legitimacy of state-centred environmental governance, revealing its roots in colonial control. Through these counter-histories, subaltern voices contest the assumption that environmental intervention is inherently benevolent or necessary.

- Ethical Memory and Environmental Justice**

By foregrounding subaltern lives as bearers of ecological memory, Ghosh frames environmental history as an ethical question rooted in justice and responsibility. Remembered histories of marginalised communities demand recognition of unequal vulnerability and historical accountability for ecological harm. These memories complicate universal narratives of climate crisis by highlighting how environmental risk is unevenly distributed along lines of class, caste, ethnicity, and geography. Ghosh's fiction thus insists that any meaningful engagement with environmental history must attend to subaltern perspectives, as they reveal the human costs of ecological transformation and the moral urgency of

reimagining more equitable relationships between people, state, and environment.

## V CONCLUSION

This study has demonstrated that environmental history and postcolonial memory are deeply intertwined in the novels of Amitav Ghosh, where landscapes function not merely as settings but as historical agents shaped by empire, extraction, and displacement. By foregrounding rivers, forests, coastlines, and climatic forces, Ghosh reveals how colonial power operated through ecological transformation as much as through political domination. Environmental history in his work emerges as a record of imperial violence inscribed on land and bodies, challenging conventional historiography that separates human history from natural processes. The analysis shows that ecological change is presented as a historical phenomenon rooted in colonial modernity and its enduring legacies rather than as an abstract or purely contemporary crisis. The study has also highlighted the central role of memory in recovering suppressed environmental pasts. Postcolonial memory in Ghosh's fiction functions as a counter-archive that resists official narratives of progress, development, and conservation. Through oral histories, subaltern voices, and fragmented narrative structures, his novels restore ecological histories erased by colonial and state-centred discourses. Memory enables a reconfiguration of history that acknowledges displacement, loss, and survival as integral to environmental change, thereby exposing the ethical limitations of linear and anthropocentric historical models. In this sense, memory becomes a critical tool for reimagining the relationship between past and present within postcolonial ecological contexts. The analysis underscores how Ghosh's narrative form itself constitutes a methodological intervention. Fragmented temporality, polyphony, and transnational settings disrupt dominant historical frameworks and allow environmental history to appear as layered, contested, and ongoing. By granting narrative agency to landscapes and non-human forces, Ghosh challenges the marginalisation of environmental causality within literary and historical imagination. His work insists that ecological processes are not peripheral to human history but central to understanding migration, labour, conflict, and

identity across colonial and postcolonial worlds. This paper affirms that reading Ghosh's novels through the lens of environmental history and postcolonial memory offers vital insights into contemporary ecological crises. His fiction demonstrates that climate change, environmental degradation, and ecological vulnerability cannot be adequately addressed without confronting their historical roots in empire and extraction. By recovering forgotten environmental histories and foregrounding marginalised perspectives, Ghosh's work contributes significantly to postcolonial ecocriticism and environmental humanities, urging a historically informed, ethically grounded rethinking of humanity's relationship with the natural world.

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