

Ecological Consciousness and the Human–Nature Relationship in Margaret Atwood’s *The Year of the Flood*: An Ecocritical Reading

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Abstract

Margaret Atwood’s *The Year of the Flood* (2009) presents a dystopian world shaped by ecological destruction, genetic engineering, climate instability, and corporate exploitation. This paper examines the changing human–nature relationship in the novel through an ecocritical perspective, focusing on ecological consciousness, biodiversity, environmental ethics, and more-than-human relationships. Through a qualitative close reading, the study explores the experiences of Toby and Ren, the ecological practices of God’s Gardeners, and the novel’s representations of animals, plants, food, and biotechnology. The analysis argues that Atwood portrays ecological crisis as a consequence of anthropocentric values and suggests that ecological survival requires greater recognition of interdependence, responsibility, and ethical relationships with the more-than-human world.

Keywords: Ecocriticism; Ecological Consciousness; Human–Nature Relationship; Environmental Ethics; Margaret Atwood

1. Introduction

The contemporary environmental crisis has transformed the relationship between literature and ecological thought. Climate change, biodiversity loss, pollution, habitat destruction, biotechnology, resource depletion, and ecological inequality have increasingly become subjects of literary representation. Within this context, speculative fiction provides a particularly productive space for imagining the consequences of environmentally destructive systems. Margaret Atwood’s *The Year of the Flood* is one of the most significant Canadian novels through which these concerns are brought together.

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Published in 2009 as the second novel of the MaddAddam trilogy, *The Year of the Flood* presents a future shaped by ecological degradation, corporate biotechnology, genetic manipulation, social inequality, and pandemic catastrophe. The novel's ecological crisis is not produced by a single environmental event. Instead, it develops through a network of human practices that progressively weaken the distinction between technological advancement and ecological destruction.

The novel is especially significant because it does not position humanity simply as a victim of environmental catastrophe. Humans are **simultaneously agents, beneficiaries, victims, and survivors of the ecological system they have created.**

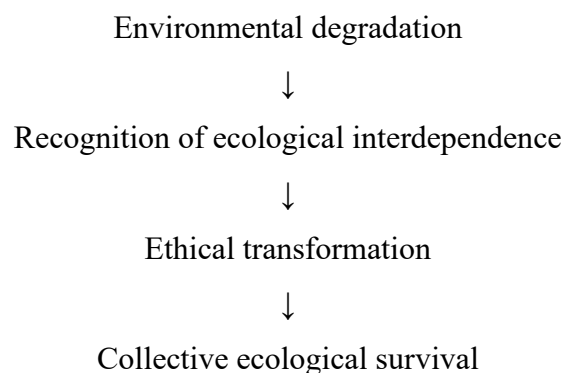
This creates the central conceptual problem of the study:

How does Atwood represent the transformation of the human–nature relationship from domination and exploitation toward ecological consciousness and relational survival?

Ecocriticism is particularly appropriate for examining this question because contemporary ecocritical scholarship increasingly considers more-than-human agency, environmental narratives, temporality, and the relationship between literature and planetary crisis. Ryan (2024) observes that recent ecocriticism has increasingly expanded toward questions of more-than-human agency and interdisciplinary environmental humanities.

Atwood's novel is therefore read here not merely as dystopian fiction or climate fiction, but as a literary exploration of how ecological consciousness is formed.

The paper proposes that this consciousness develops through four interconnected stages:



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The study consequently argues that *The Year of the Flood* asks readers not merely to fear environmental catastrophe but to reconsider what it means to be human within an interconnected ecological world.

2. Theoretical Framework: Ecocriticism and Ecological Consciousness

Ecocriticism examines the relationship between literature and the physical environment. Its development has increasingly moved beyond the study of landscape and nature writing toward questions of climate change, extinction, environmental justice, animal studies, materiality, biotechnology, and more-than-human agency.

The contemporary field is particularly interested in challenging anthropocentrism—the assumption that human beings are the central or highest form of value within ecological systems. Recent ecocritical scholarship emphasizes that environmental narratives can make relationships among human and nonhuman agencies visible.

For the present study, ecological consciousness is defined as the capacity to recognize:

1. Human Dependence On Ecological Systems;
2. The Agency And Value Of Nonhuman Life;
3. The Consequences Of Environmental Exploitation;
4. Ethical Responsibilities Toward Other Species; And
5. The Need For Collective Ecological Adaptation.

This framework is particularly useful for reading *The Year of the Flood* because the novel repeatedly destabilizes the assumption that humans control nature.

Table 1. Ecocritical Concepts Applied to the Novel

Ecocritical concept	Application in <i>The Year of the Flood</i>
Anthropocentrism	Human domination of ecosystems
Ecocentrism	Recognition of interconnected life
More-than-human agency	Animals, plants and engineered species

Environmental ethics	Responsibility toward other species
Ecological justice	Unequal exposure to environmental risk
Ecofeminism	Connections between domination of women and nature
Sustainability	God's Gardeners' alternative practices
Ecological memory	Songs, stories and rituals
Posthumanism	Blurring boundaries between human and nonhuman
Climate fiction	Imagining ecological catastrophe

The novel consequently allows ecocriticism to operate simultaneously as a literary, ethical, and cultural framework.

3. Research Objectives and Methodology

The study aims to:

- examine representations of ecological consciousness in *The Year of the Flood*;
- analyze the changing relationship between human and nonhuman life;
- investigate environmental degradation and corporate exploitation;
- examine the ecological philosophy of God's Gardeners;
- analyze the roles of food, animals, plants, and biotechnology;
- explore the relationship between ecological crisis and human identity;
- identify the novel's strategies for imagining ecological survival.

Research Questions

RQ1: How does *The Year of the Flood* represent the changing human–nature relationship?

RQ2: How does Atwood construct ecological consciousness through characters, community practices, and narrative forms?

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RQ3: How does the novel challenge anthropocentric and technologically dominant approaches to nature?

RQ4: How do food, animals, plants, biotechnology, and spirituality contribute to the novel's environmental ethics?

RQ5: Does the novel imagine ecological survival as technological control or relational adaptation?

Method

This is a qualitative textual study based on close reading of *The Year of the Flood*. The analysis focuses on recurring ecological motifs, character perspectives, narrative structures, environmental practices, species representations, and ethical conflicts.

The study does not attempt to measure the novel's environmental effects empirically. Instead, it examines how literary representation constructs ecological meanings.

4. Environmental Collapse and the Anthropocentric Imagination

Atwood's dystopian world is characterized by the progressive degradation of ecological systems. Climate instability, species manipulation, polluted environments, extreme weather, corporate biotechnology, and altered ecosystems form the background against which the characters survive.

The important feature is that ecological collapse is presented as **systemic rather than accidental**.

Human beings have developed technologies capable of manipulating biological life, but ethical responsibility has not developed at the same pace.

This produces a fundamental contradiction:

Scientific capability ↑

while

Ecological responsibility ↓

The novel therefore questions the assumption that technological advancement necessarily represents human progress.

Table 2. Anthropocentric Practices and Ecological Consequences

Human practice	Immediate objective	Ecological consequence
Genetic engineering	Profit/innovation	Altered species
Corporate production	Economic growth	Environmental degradation
Animal commodification	Consumption	Animal exploitation
Resource consumption	Convenience	Ecological depletion
Habitat modification	Commercial development	Biodiversity loss
Technological control	Human security	Ecological imbalance

The fictional world is consequently recognizable because its ecological problems emerge from familiar human tendencies: consumption, commodification, technological confidence, and disregard for long-term ecological consequences.

Recent research by Ahmed and Islam (2025) similarly reads the novel as an Anthropocene narrative connecting climate crisis, biotechnology, ecological collapse, and environmental ethics.

5. God's Gardeners and the Formation of Ecological Consciousness

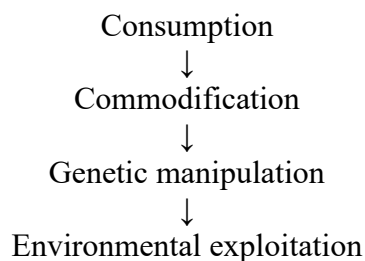
One of the most important ecological elements in the novel is God's Gardeners, an eco-religious community led by Adam One.

The Gardeners reject consumerism, promote plant-based diets, cultivate gardens, preserve ecological knowledge, and encourage ethical relationships with animals and plants.

Their practices represent an alternative to the dominant corporate system.

Figure 1. Two Competing Ecological Systems

CORPORATE SYSTEM



↓
Ecological collapse

GOD'S GARDENERS

Care
↓
Cultivation
↓
Reciprocity
↓
Ecological knowledge
↓
Collective survival

The Gardeners are not presented as completely uncomplicated ecological heroes. Atwood frequently uses satire to expose their contradictions and ideological excesses.

This ambiguity is important.

Ecological consciousness in the novel is not presented as a perfect doctrine. It develops through experimentation, community practice, adaptation, and survival.

Salomon's recent study similarly argues that the Gardeners provide an alternative model of community and ecological hope within the novel's eco-apocalyptic setting.

Thus, God's Gardeners can be understood as an experimental ecological community rather than simply a religious group.

6. Toby and Ren: Individual Transformation

Toby and Ren provide two major perspectives through which ecological and social collapse is experienced.

Toby's movement toward the Gardeners allows her to encounter an alternative ecological philosophy. Her knowledge of plants, gardening, food, animals, and survival becomes increasingly important after social collapse.

Ren's experiences similarly expose the vulnerability of bodies within a technologically controlled society.

Table 3. Character-Based Ecological Consciousness

Character	Initial condition	Ecological experience	Transformation
Toby	Survival-oriented individual	Gardening/community	Ecological responsibility
Ren	Vulnerable young woman	Social/environmental instability	Resilience
Adam One	Ecological preacher	Gardener community	Environmental ideology
Pilar	Knowledge keeper	Plants/medicine	Ecological memory
Zeb	Resistant survivor	Corporate system	Alternative survival

Toby's transformation is particularly important because ecological consciousness develops through practice.

She does not simply learn ecological ideas intellectually.

She learns through:

- gardening;
- food production;
- plant knowledge;
- community relationships;
- observation;
- survival;
- care for other organisms.

This suggests that ecological consciousness is embodied rather than purely theoretical.

7. Plants, Animals, and the More-than-Human World

Atwood's treatment of plants and animals is central to the novel's ecological imagination.

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The novel repeatedly draws attention to species boundaries. Genetically engineered organisms such as the rakunk and pigeons demonstrate the consequences of manipulating biological life for human purposes.

These organisms complicate the distinction between natural and artificial.

Table 4. More-than-Human Elements in the Novel

Entity	Human intervention	Ecocritical significance
Pigeons	Genetic engineering	Commodification of animals
Rakunks	Genetic modification	Blurred species boundaries
Bees	Ecological dependence	Pollination and survival
Plants	Cultivation	Food and ecological knowledge
Birds	Ecological presence	Biodiversity
Trees/forests	Habitat	More-than-human environment

The pigeons are particularly significant because they represent the consequences of reducing animals to biological technologies.

At the same time, the engineered organisms demonstrate that humans cannot completely control the consequences of their technological interventions.

Nature responds unpredictably.

This supports an important ecocritical principle:

The environment is not merely a passive object of human action; it can become an active force within human history.

Recent ecocritical scholarship increasingly emphasizes this movement toward more-than-human agency.

8. Food, Vegetarianism, and Environmental Ethics

Food is one of the most overlooked but theoretically important elements of *The Year of the Flood*.

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The Gardeners' vegetarianism is not merely a dietary preference. It represents an attempt to transform the relationship between human consumption and ecological responsibility.

Food connects:

Body → Animal → Plant → Agriculture → Economy → Environment

The novel therefore turns eating into an ethical act.

Table 5. Food as Ecological Practice

Food practice	Underlying value
Vegetarianism	Reduced animal exploitation
Gardening	Local ecological knowledge
Seed preservation	Biodiversity
Food sharing	Community
Plant cultivation	Sustainability
Reduced consumption	Ecological restraint

Kim Dae-young's 2024 study specifically examines vegetarianism in *The Year of the Flood* and conceptualizes the novel's tensions around diet through the idea of “eco-flexitarianism,” emphasizing the difficulty of translating ecological ideals into widely sustainable practices.

This is an important insight because Atwood does not portray ecological ethics as completely pure or easy.

The novel recognizes contradictions between:

ecological ideals and human survival needs.

Ecological consciousness therefore involves negotiation rather than perfection.

9. Biotechnology and the Ethics of Creating Life

Biotechnology represents one of the most powerful symbols of anthropocentric control in the novel.

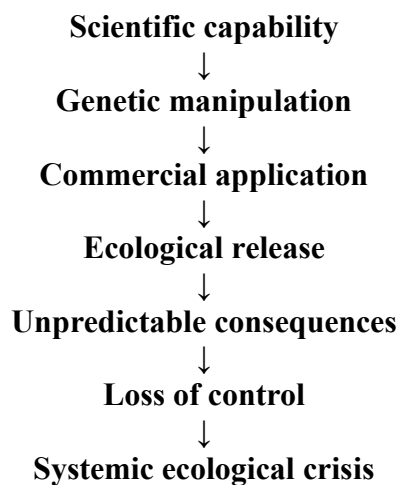
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The corporate system treats life as something that can be designed, patented, modified, sold, and consumed.

This produces a fundamental ethical question:

When humans acquire the technological capacity to redesign life, what responsibilities accompany that power?

Figure 2. Biotechnology and Ecological Risk



Atwood's concern is not necessarily technology itself.

Rather, the novel questions technology without ecological ethics.

Technology becomes dangerous when:

profit > responsibility

control > reciprocity

short-term benefit > long-term ecological stability

Bergthaller's foundational study of Atwood's *Oryx and Crake* and *The Year of the Flood* similarly connects the ecological crisis to the need to reconsider human behaviour in relation to the planetary “oikos.”

The novel consequently anticipates contemporary debates concerning biotechnology, synthetic biology, and human intervention in ecosystems.

10. Ecofeminism and Interconnected Forms of Domination

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Environmental destruction in *The Year of the Flood* is closely associated with gender inequality and capitalist power.

Women and nonhuman nature are frequently treated as objects for consumption.

Toby and Ren experience forms of bodily control and commodification that parallel the treatment of animals and ecosystems.

Table 6. Parallel Structures of Domination

Dominated subject	Form of control
Women	Sexual commodification
Animals	Commercial exploitation
Plants	Genetic manipulation
Ecosystems	Resource extraction
Workers	Economic exploitation
Consumers	Commercial manipulation

Wieczorek's ecofeminist study argues that the novel connects the exploitation of women, animals, and nature within capitalist-patriarchal structures.

More recent research continues to examine the relationship between female resistance, ecological crisis, and solidarity in Atwood's later *MaddAddam* narratives. Chou (2026), for example, examines *The Year of the Flood* and *MaddAddam* through ecofeminism and posthumanism, focusing on female solidarity, survival, and resistance.

The ecological problem is therefore also a problem of power.

Atwood suggests that a society capable of exploiting women and animals may also develop systems capable of exploiting ecosystems.

11. Storytelling, Memory, and Ecological Knowledge

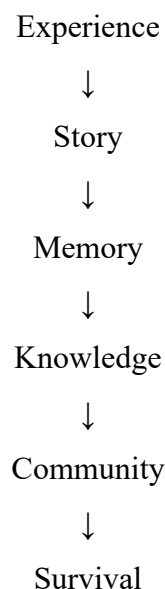
Storytelling is another major ecological technology in the novel.

The Gardeners preserve knowledge through:

- hymns;
- sermons;
- stories;
- rituals;
- plant knowledge;
- ecological calendars;
- community teaching.

This is particularly significant after the collapse of dominant social institutions.

Figure 3. Storytelling as Ecological Transmission



Tasnim's 2025 study identifies storytelling as a critical survival strategy in *The Year of the Flood*, emphasizing its psychological, ethical, and communal functions.

The present study adds that storytelling also functions as ecological memory.

The Gardeners preserve not only information about the past but also alternative ways of relating to the environment.

Atwood therefore gives literature itself an ecological function.

The novel implies that environmental survival requires not only scientific knowledge but also cultural memory.

12. Ecological Consciousness as a Process of Transformation

The central finding of this study is that ecological consciousness in *The Year of the Flood* develops progressively.

Table 7. Stages of Ecological Consciousness

Stage	Dominant attitude	Literary representation
1	Anthropocentrism	Nature as resource
2	Environmental awareness	Recognition of damage
3	Ecological recognition	Interdependence
4	Ethical response	Care and restraint
5	Relational consciousness	Human/nonhuman connection
6	Ecological survival	Collective adaptation

This model is important because the novel does not present ecological consciousness as an already-established condition.

Characters **learn** ecological consciousness through crisis.

Environmental catastrophe therefore becomes a catalyst for cognitive and ethical transformation.

The irony is that humans recognize their ecological dependence most clearly when technological and economic systems begin to fail.

This supports the paper's central argument:

Atwood represents ecological consciousness not as knowledge about nature, but as a transformation in the way humans understand their place within nature.

13. Results of the Textual Analysis

The close reading identifies six major ecological patterns.

Table 8. Major Analytical Findings

Analytical category	Evidence in the novel	Ecocritical implication
Ecological degradation	Polluted and unstable environment	Consequences of anthropocentrism
Species manipulation	Engineered organisms	Limits of human control
Food ethics	Gardener practices	Consumption as ecological choice
Ecological community	God's Gardeners	Collective environmental responsibility
Female survival	Toby and Ren	Ecofeminist dimensions
Storytelling	Hymns and narratives	Preservation of ecological knowledge

A second important finding concerns **scale**.

The environmental crisis is consequently never entirely abstract.

It is experienced through bodies, food, illness, weather, animals, plants, relationships, and places.

14. Discussion

The findings indicate that *The Year of the Flood* constructs ecological consciousness through a sustained critique of anthropocentrism. Atwood's ecological imagination is not limited to depicting environmental catastrophe. Instead, the novel investigates the cultural assumptions that make environmental destruction possible.

The corporate world represents an instrumental relationship with nature. Animals become products, genetic material becomes intellectual property, and ecosystems become spaces for economic exploitation. In contrast, God's Gardeners attempt to construct relationships based on care, restraint, ecological knowledge, and community.

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Yet Atwood avoids presenting the Gardeners as a completely uncomplicated alternative. Their beliefs contain contradictions, and their survival practices remain dependent upon the world they criticize. This ambiguity strengthens the ecological argument because it prevents environmental ethics from becoming a simplistic moral binary.

The novel also demonstrates that ecological crisis is unevenly experienced. Characters with economic and institutional power possess greater access to technological protection, whereas marginalized populations experience environmental and social vulnerability more directly.

This corresponds with contemporary environmental-humanities approaches that increasingly connect planetary crisis with questions of inequality, power, and environmental justice.

The novel's most significant intervention may therefore be its challenge to the idea of human independence.

Humans depend upon:

plants for food,

animals for ecological systems,

water for survival,

biodiversity for ecosystem stability,

and communities for collective resilience.

The human–nature relationship consequently becomes a relationship of interdependence rather than independence.

Salomon's recent interpretation of the novel as a movement from apocalypse toward ecological hope is particularly relevant here: ecological destruction does not completely eliminate the possibility of rebuilding; it creates a demand for alternative forms of community and environmental responsibility.

15. Conclusion

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Margaret Atwood's *The Year of the Flood* offers a complex representation of ecological crisis in which environmental destruction, biotechnology, capitalism, gender inequality, species manipulation, and human survival are interconnected.

The novel demonstrates that ecological crisis is fundamentally a crisis of relationship.

When humans perceive nature as:

resource → commodity → technology → property,

ecological destruction becomes increasingly likely.

When humans begin to understand nature through:

relationship → reciprocity → responsibility → interdependence,

the possibility of ecological consciousness emerges.

The Gardeners, Toby, Ren, and the novel's more-than-human organisms provide different perspectives through which this transformation becomes visible. Food practices, gardening, storytelling, ecological rituals, and relationships with animals and plants demonstrate that environmental consciousness is produced through everyday practices rather than abstract principles alone.

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