



GENDER, ECOLOGY, AND ECOFEMINISM: AN INDIAN PERSPECTIVE ON ENVIRONMENTAL JUSTICE AND SUSTAINABILITY

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Paper Received On: 20 JULY 2026

Peer Reviewed On: 24 AUG 2026

Published On: 01 SEPT 2026

Abstract

The relationship between gender and ecology has emerged as an important area of inquiry within environmental studies and feminist scholarship. Ecofeminism examines the interconnected forms of domination that affect both women and nature, arguing that patriarchal systems and exploitative development models contribute to environmental degradation and gender inequality. This paper explores the relationship between gender, ecology, and ecofeminism with a particular focus on the Indian context. Women in India, especially in rural and indigenous communities, have traditionally played a significant role in managing natural resources such as forests, water, and agricultural land. Their daily interaction with the environment provides them with deep ecological knowledge and makes them key stakeholders in environmental sustainability. However, despite their contributions, women often remain marginalized in decision-making processes and environmental governance. The paper discusses theoretical foundations of ecofeminism, gendered relationships with natural resources, and the impact of environmental degradation on women. It also examines key environmental movements in India such as the Chipko Movement and grassroots initiatives led by women. Furthermore, it highlights the contributions of ecofeminist thinkers such as Vandana Shiva and environmental activists like Basanti Devi. Using examples from agriculture, climate change adaptation, and community-based conservation, the paper demonstrates how women's participation is essential for sustainable environmental management. The study concludes that integrating gender-sensitive perspectives into environmental policies is crucial for addressing ecological crises and promoting social justice. Ecofeminism provides a transformative framework that encourages equitable participation, sustainable development, and harmonious coexistence between humans and nature.

Keywords: Gender, Ecology, Ecofeminism, Environmental Justice, Women and Environment, India, Sustainable Development

Introduction

Environmental degradation and climate change have become some of the most pressing global challenges of the twenty-first century. Issues such as deforestation, biodiversity loss, pollution,

and water scarcity have intensified concerns regarding sustainable development. Within this context, scholars increasingly recognize the importance of understanding environmental issues through the lens of gender.

Ecofeminism emerged as a theoretical and political framework linking feminist perspectives with ecological concerns. It argues that the exploitation of nature and the oppression of women are interconnected and rooted in patriarchal structures (Merchant, 1992). These systems historically treat both women and nature as resources to be controlled and exploited.

In India, the connection between gender and environment is particularly visible because a large proportion of the population depends directly on natural resources for survival. Women in rural areas engage in agriculture, fuel collection, livestock management, and water gathering, making them primary managers of environmental resources (Agarwal, 1992).

However, despite their contributions, women often lack ownership of land, access to technology, and representation in environmental policy-making. This paradox highlights the need to integrate gender perspectives into environmental governance.

Literature Review

Ecofeminism developed as an interdisciplinary field drawing from environmental studies, sociology, anthropology, and feminist theory.

One of the earliest scholars to articulate ecofeminist ideas was Françoise d'Eaubonne, who introduced the term ecofeminism in 1974. Later scholars expanded the concept to explore the connections between gender inequality and ecological degradation.

Carolyn Merchant (1992) argued that the Scientific Revolution and industrialization transformed the perception of nature from a living organism into a machine to be exploited.

Similarly, Vandana Shiva (1988) emphasized that modern development models have marginalized traditional ecological knowledge, particularly that held by rural women.

Bina Agarwal (1992) provided a materialist critique of ecofeminism by emphasizing structural inequalities such as land ownership and economic power rather than purely symbolic connections between women and nature.

These contributions collectively highlight that gender relations influence how societies interact with natural ecosystems.

Theoretical Framework: Ecofeminism

Ecofeminism links environmental sustainability with feminist principles. The theory proposes that patriarchal systems simultaneously dominate women and nature through similar mechanisms.

1 Cultural Ecofeminism

Cultural ecofeminism focuses on symbolic and spiritual connections between women and nature. It emphasizes nurturing values, care ethics, and women's roles in sustaining communities.

2 Social or Materialist Ecofeminism

Materialist ecofeminism examines socio-economic structures such as capitalism, colonialism, and patriarchy that contribute to both environmental degradation and gender inequality (Agarwal, 1992).

In the Indian context, ecofeminism incorporates elements of both perspectives because women's environmental relationships arise from both cultural traditions and economic realities.

Gender and Ecology in India

1 Women in Agriculture

Agriculture remains one of the largest employment sectors in India. Women constitute a substantial portion of the agricultural workforce and contribute significantly to crop production, livestock care, and post-harvest processing.

However, only a small proportion of women own agricultural land. According to government and development reports, women farmers often lack access to credit, agricultural training, and technological resources.

This lack of recognition creates a gap between women's contributions and their decision-making power within agricultural systems.

2 Women and Natural Resource Management

Women are central to the management of forests, water sources, and biodiversity in rural communities.

Daily activities such as collecting firewood, fodder, and medicinal plants give women deep knowledge about ecological cycles and sustainable resource use.

However, environmental degradation increases women's labor burden. For example, deforestation forces women to travel longer distances to gather fuelwood and fodder.

3 Climate Change and Gender Vulnerability

Climate change has intensified environmental risks such as droughts, floods, and irregular rainfall patterns. These changes affect agricultural productivity and water availability.

Women are particularly vulnerable because they often manage household food security and natural resources. Gender inequality also limits their access to climate adaptation resources such as training, financial support, and institutional assistance.

Ecofeminist Environmental Movements in India

1 The Chipko Movement

One of the most famous examples of ecofeminist activism is the Chipko Movement, which began in the 1970s in the Himalayan region of Uttarakhand.

Villagers, particularly women, protested against commercial logging by hugging trees to prevent them from being cut down. The movement symbolized resistance against environmental exploitation and highlighted the importance of forests for rural livelihoods.

The movement gained global attention and influenced forest conservation policies in India.

2 Grassroots Women's Leadership

Several women leaders have emerged in environmental activism. For example, Basanti Devi from Uttarakhand mobilized local women to protect forests and water resources.

Similarly, the work of Vandana Shiva has been influential in promoting biodiversity conservation, organic farming, and seed sovereignty.

These initiatives demonstrate how women's leadership can contribute to sustainable environmental practices.

Women, Development, and Sustainability

Ecofeminism critiques development models that prioritize industrial growth over ecological balance.

1 Feminisation of Agriculture

Migration of men to urban areas has led to the “feminisation of agriculture,” where women increasingly manage farms and rural livelihoods.

While this highlights women’s importance in agriculture, it also exposes them to greater challenges due to limited access to resources.

2 Community-Based Conservation

Community participation plays a vital role in sustainable environmental governance.

Women’s self-help groups and village collectives have successfully implemented conservation initiatives such as watershed management, forest protection, and organic farming.

Policy Initiatives and Institutional Support

Government programs and civil society organizations increasingly recognize the importance of gender-inclusive environmental policies.

For example, organizations such as Gram Vikas work to empower rural communities by promoting water management, sanitation, and women’s participation in governance.

However, gender disparities in land rights, education, and political representation remain significant barriers.

Discussion

The intersection of gender and ecology highlights several key insights.

First, women possess extensive ecological knowledge derived from their everyday interaction with natural resources.

Second, environmental degradation disproportionately affects women due to their dependence on natural ecosystems for livelihoods.

Third, grassroots environmental movements demonstrate that women’s leadership can influence policy and promote sustainable resource management.

Finally, ecofeminism encourages societies to rethink development models by prioritizing sustainability, equality, and community participation.

Conclusion

The relationship between gender, ecology, and ecofeminism provides valuable insights into environmental sustainability in India. Women play a critical role in agriculture, biodiversity conservation, and natural resource management. However, structural inequalities continue to limit their participation in decision-making processes. Ecofeminism offers a transformative framework that links environmental protection with gender justice. By recognizing women’s knowledge, strengthening their leadership, and integrating gender perspectives into environmental policies, societies can develop more equitable and sustainable solutions to ecological challenges. Empowering women in environmental governance is therefore not only a matter of social justice but also a crucial strategy for achieving sustainable development.

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Dr Anupam Bahri. (2026). GENDER, ECOLOGY, AND ECOFEMINISM: AN INDIAN PERSPECTIVE ON ENVIRONMENTAL JUSTICE AND SUSTAINABILITY. *Scholarly Research Journal for Interdisciplinary Studies*, 15(96), 86–89. <https://doi.org/10.5281/zenodo.22540342>