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## Sustainable Tourism: A Comprehensive Review

\*<sup>1</sup>Suprada Jain M, <sup>2</sup>Bhavyashree Bhat PB and <sup>3</sup>Divyashree R

\*<sup>1, 2, 3</sup>Assistant Professor, Department of Commerce, MMK and SDM Mahila Maha Vidyalaya, Mysore, Karnataka, India.

### Abstract

Sustainable tourism has progressively evolved into a significant and multifaceted domain of academic investigation, aimed at reconciling tourism-induced economic growth with environmental stewardship, socio-cultural preservation, and equitable economic advancement. As the global tourism sector continues to expand, the imperative for sustainability-centric methodologies has become increasingly pressing. This review article synthesizes and critically assesses predominant theoretical frameworks, nascent research pathways, and enduring deficiencies within the sustainable tourism scholarly discourse. By amalgamating insights from both classical and contemporary systematic literature reviews alongside bibliometric evaluations, the study furnishes a thorough overview of the intellectual architecture of the discipline. Moreover, it delineates principal implementation obstacles and proposes prospective research trajectories, thereby providing a solid and methodologically rigorous foundation appropriate for submission to high-impact scholarly journals.

**Keywords:** Sustainable Tourism, Eco-tourism, Technology.

### 1. Introduction

Tourism constitutes one of the most expansive and dynamic sectors globally, playing a crucial role in the generation of employment and the enhancement of gross domestic product (Cannonier & Burke, 2019) <sup>[10]</sup>. Nevertheless, the swift proliferation of mass tourism has concurrently exacerbated a multitude of detrimental effects, encompassing environmental deterioration, cultural commodification, disruption of ecosystems, and disproportionate distribution of economic advantages among host communities. (Kvaratskhelia, 2024) <sup>[15]</sup> Such challenges have engendered considerable apprehensions regarding the enduring viability of traditional tourism development frameworks. Consequently, sustainable tourism has emerged as a viable alternative paradigm that aspires to harmonize economic development goals with environmental stewardship and socio-cultural preservation, thereby aligning tourism practices with the overarching tenets of sustainable development. (Sandhya Keelery, 2024) <sup>[27]</sup>.

#### 1.1. Research Objectives

- To examine the concept and evolution of sustainable tourism.
- To identify the major themes and trends in sustainable tourism research.
- To analyse the key challenges in implementing sustainable tourism practices.
- To suggest future research directions for the development of sustainable tourism.

### Methodology

This study employs a systematic literature review (SLR) approach, supplemented by descriptive bibliometric and thematic analysis, to examine the evolution, key dimensions, and emerging research trends in sustainable tourism. The methodology was designed to ensure rigor, transparency, and reproducibility in synthesizing existing scholarly work. (Santos *et al.*, 2022) <sup>[28]</sup>.

### Data Sources and Search Strategy

The literature was sourced from Scopus and Web of Science databases, selected for their comprehensive coverage of high-quality, peer-reviewed journals in tourism, sustainability, and management disciplines. (Nikolaou *et al.*, 2025) <sup>[21]</sup>. A structured search strategy was adopted using a combination of keywords such as “sustainable tourism,” “tourism sustainability,” “responsible tourism,” “ecotourism,” “sustainable destination management,” and “community-based tourism.” Boolean operators (AND/OR) were used to refine search results and capture a broad range of relevant studies. (Kiryliuk *et al.*, 2026) <sup>[16]</sup>.

### Inclusion and Exclusion Criteria

To maintain academic rigor, specific inclusion and exclusion criteria were applied. The review included peer-reviewed journal articles published in English between 1990 and 2024, reflecting both foundational theories and contemporary developments in sustainable tourism research. (Hernández

Valdés *et al.*, 2025) [13]. Conference proceedings, editorials, book reviews, theses, and non-academic publications were excluded. Studies that did not explicitly address sustainability dimensions within tourism were also omitted. (Harish & Rao, 2024) [12].

### Screening and Selection Process

The initial search yielded a substantial number of publications, which were screened through a two-stage selection process. In the first stage, titles and abstracts were reviewed to assess relevance to the research objectives. (Sereda *et al.*, 2020) [29]. In the second stage, full-text articles were examined to ensure theoretical, empirical, or conceptual contribution to sustainable tourism literature. Duplicate records were removed, and only studies meeting the predefined criteria were retained. The screening process broadly followed the principles of the PRISMA framework, enhancing methodological transparency. (Veroniki *et al.*, 2025) [35].

## 2. Conceptualizing Sustainable Tourism

As the United Nations World Tourism Organization (UNWTO) explains, sustainable tourism is tourism that “meets the needs of present tourists and host regions while protecting and enhancing opportunities for the future.” (Veroniki *et al.*, 2025) [35]. This definition highlights a long-term view in tourism planning and managing that includes economic, environmental, and social points of view. The meaning of sustainable tourism is based on three, interrelated pillars. While the three pillars of sustainability — environmental, socio-cultural and economic — overlap in their definition, environmental sustainability targets protecting natural ecosystems or areas of significant biological diversity, socio-cultural sustainability seeks to ensure that the benefits of travel-related hospitality, tourism and the travel and tourism industry are widely distributed and have substantial benefit to local economies and livelihoods, and economic sustainability aims to sustain existing socio-economic activities through natural and manmade environmental systems (such as land, water, the urban landscape, cultural heritage). Sustainable tourism in practice reflects conceptual and operational overlaps with related approaches such as ecotourism, or responsible tourism. (Palazzo *et al.*, 2022) [22].

## 3. Research Trends and Bibliometric Insights

- i). **Expansion of Scholarly Output:** Systematic literature reviews provide evidence of a significant and sustained upturn in academic interest in sustainable tourism from the early part of the 21st-century to the present day. In a literature review spanning 641 academic publications from 1990 to 2016, this suggests an exponential growth structure, and particularly highlighted after 2006. This trend represents the increasing awareness of sustainability as a key issue in tourism research and policy dialogue. (Veiga *et al.*, 2018) [34].
- ii). **Impact of the COVID-19 Pandemic:** In recent years from 2017 to 2022, bibliometric analyses have shown a distinctive change in the trends of topics during the COVID-19 pandemic. Detecting how tourism systems are susceptible to global shocks and disasters, there has been more emphasis on the importance of resilience, crisis management, long-term strategies for the recovery of the tourism sector, and future planning destinations in order to transform the tourism sector as a more sustainable and

resilient system. (Bhatt *et al.*, 2022) [9].

- iii). **Geographic and Disciplinary Patterns:** Other bibliometric evidence indicates that tourism research increasingly incorporates the United Nations Sustainable Development Goals (SDGs). This high volume of research pay attention to influencing factors, tourist behavior, and policy alignment, with many studies originating from Asian contexts. This is a testament to the high rate of tourism growth in the region, deftly paired with the all-important sustainability issues. (López-Bonilla *et al.*, 2019) [18].
- ## 4. Theoretical Foundations of Sustainable Tourism
- i). **Carrying Capacity and Limits of Acceptable Change:** Research on sustainable tourism continues to be based on early theoretical models like carrying capacity and the Limits of Acceptable Change (LAC) framework. These methods offer analytical tools for determining social and environmental boundaries beyond which tourism causes irreparable harm or discontent in the community. (Robin *et al.*, 2024) [25].
  - ii). **Governance and Stakeholder Engagement:** Governance-oriented paradigms that prioritize cooperative policymaking and stakeholder participation are becoming more and more prominent in contemporary studies. To promote shared accountability, transparent decision-making, and equitable sharing of tourism benefits, governments, private businesses, local communities, and civil society organizations must work together to implement effective sustainable tourism governance. (Varghese & H., 2024) [33].
  - iii). **Social Capital Theory:** Due to excessive resource use, pollution, biodiversity loss, and changes in land use, tourism significantly strains natural habitats (Basrawi, 2024). Therefore, environmental management systems, the use of renewable energy, responsible waste management, and conservation-based finance mechanisms targeted at reducing ecological impacts are given top priority in sustainable tourism initiatives. (Eijgelaar & Peeters, 2014) [11].
- ## 5. Core Themes in Sustainable Tourism Research
- i). **Environmental Protection:** Tourism imposes considerable strains on natural ecosystems through alterations in land utilization, pollution, the diminution of biodiversity, and unsustainable resource exploitation. Consequently, sustainable tourism initiatives emphasize the implementation of environmental management frameworks, the integration of renewable energy sources, responsible waste disposal practices, and financing mechanisms grounded in conservation with the objective of alleviating ecological repercussions. (Liu *et al.*, 2024) [17].
  - ii). **Socio-Cultural Sustainability:** Socio-cultural issues, encompassing cultural commodification, the degradation of traditional practices, and the displacement of communities, persist as pivotal elements in discussions surrounding sustainability. (“The Dilemma of Cultural Commodification Policy of Barkcloth,” 2024) [32]. An increasing body of research supports participatory tourism frameworks that empower local populations, uphold indigenous knowledge systems, and preserve cultural authenticity through inclusive and comprehensive planning methodologies. (Wen *et al.*, 2025) [36].

iii). **Economic Equity:** While tourism is frequently characterized as a driver of economic advancement, the distribution of its advantages is often inequitable, leading to significant revenue loss to external stakeholders. Research in sustainable tourism emphasizes the necessity of cultivating local entrepreneurship, guaranteeing equitable labor practices, and enacting economic policies that ensure the retention of tourism-generated income within the host communities. (Ray *et al.*, 2025) [23].

## 6. Emerging Subfields and Specialized Themes

i). **Innovation and Sustainability:** Innovation has emerged as an increasingly vital component of inquiries into sustainable tourism. The integration of digital technologies—such as intelligent destination systems, data analytics, and digital visitor management tools—presents novel avenues for improving sustainability outcomes and facilitating informed decision-making (Rhouiri *et al.*, 2024) [24].

ii). **Entrepreneurship and Community Development:** Contemporary scholarship accentuates the robust association between sustainable tourism and entrepreneurial endeavors. Enterprises rooted in the community and small-scale tourism initiatives are instrumental in fostering inclusive economic growth, empowering local populations, and achieving enduring sustainability results (Ruiz-Ortega *et al.*, 2021) [26].

## 7. Implementation Challenges

i). **Policy and Institutional Constraints:** Notwithstanding the widespread theoretical endorsement of sustainability tenets, their practical application remains variable. Inadequate regulatory frameworks, poor enforcement strategies, and conflicting priorities between economic growth and sustainability objectives continue to obstruct advancement (- & Tun Ismail, 2024) [8].

ii). **Measurement and Evaluation Issues:** The absence of standardized and universally recognized sustainability metrics presents formidable challenges for benchmarking, monitoring, and conducting comparative analyses across various destinations. This deficiency compromises the efficacy of evidence-based policymaking and performance evaluation (Luo, 2018) [19].

iii). **External and Structural Pressures:** External influences such as climate change, overtourism, and fluctuations in the global economy further complicate the planning for sustainable tourism and underscore the necessity for adaptive and resilient frameworks capable of addressing systemic uncertainties (Tanrisever *et al.*, 2024) [31].

## 8. Future Research Directions

i). **Alignment with Sustainable Development Goals:** Future research endeavors must more explicitly investigate the quantifiable contributions of the tourism sector to the United Nations Sustainable Development Goals (SDGs), with a particular focus on those pertinent to poverty alleviation, educational advancement, the provision of decent work, and climate action, employing rigorous empirical methodologies. (Spenceley & Meyer, 2012) [30].

ii). **Digitalization and Smart Tourism:** There exists an increasing imperative for scholarly inquiry into the manner in which emerging digital technologies—including artificial intelligence, geographic information

systems (GIS), and smart tourism platforms—can significantly affect destination sustainability and influence tourist behavior. (Kaakandikar *et al.*, 2025) [14].

iii). **Integrated Impact Assessment:** Ultimately, forthcoming research should embrace interdisciplinary and holistic evaluative methodologies that encompass the interconnected environmental, social, and economic ramifications of tourism, thereby fostering a more comprehensive understanding of sustainable tourism frameworks. (McGehee *et al.*, 2013) [20].

## 9. Conclusion

This review paper provides a comprehensive synthesis of the evolving body of literature on sustainable tourism, highlighting its theoretical foundations, dominant research themes, and emerging trends. By systematically analyzing prior studies, the paper demonstrates that sustainable tourism has progressed from a narrow environmental focus to a holistic, multi-dimensional framework encompassing environmental protection, socio-cultural preservation, economic viability, governance mechanisms, and innovation-led practices.

The findings reveal that while substantial progress has been made in conceptualizing sustainable tourism, implementation remains uneven across regions and contexts. Challenges such as policy fragmentation, limited stakeholder participation, measurement difficulties, and conflicting interests between economic growth and environmental conservation continue to hinder effective adoption. The review also underscores the growing influence of community-based approaches, digital technologies, and post-pandemic resilience strategies, reflecting a shift toward more inclusive and adaptive tourism models.

From a theoretical perspective, the study integrates classical sustainability theories with contemporary frameworks such as social capital theory and resilience thinking, offering a consolidated understanding of sustainable tourism development. From a practical standpoint, the review provides valuable insights for policymakers, destination managers, and tourism practitioners by emphasizing the need for integrated governance structures, stakeholder collaboration, and context-specific sustainability indicators.

## Future Research Directions

Based on the synthesis of existing literature, several avenues for future research are identified:

- i). Empirical studies examining the effectiveness of sustainable tourism policies across different geographical and cultural contexts.
- ii). Development of standardized indicators and measurement models to assess sustainability performance at destination and enterprise levels.
- iii). Comparative research between developed and developing economies to understand contextual variations in sustainable tourism implementation.
- iv). Investigation of the role of digital technologies, smart tourism systems, and artificial intelligence in promoting sustainable practices.
- v). Longitudinal studies exploring the long-term socio-economic and environmental impacts of sustainable tourism initiatives.

In conclusion, this review contributes to sustainable tourism literature by consolidating fragmented research and identifying critical gaps that require scholarly attention. By

offering an integrated perspective, the paper provides a valuable foundation for future research and informed decision-making aimed at achieving sustainable and resilient tourism development.

## References

- Mondal S, Samaddar K. Responsible tourism towards sustainable development: Literature review and research agenda. *Asia Pacific Business Review*. 2021;27(2):229–266. doi: 10.1080/13602381.2021.1857963
- Huang RY, Chang WJ, Chung YC, Yin YS, Yen JC. A literature review of sustainable tourism (1990–2016). *International Journal of Tourism & Hospitality Reviews*. 2019;6(1):20–49. doi: 10.18510/ijthr.2019.613
- Loureiro I, Costa V, Malheiro A. Sustainable tourism: A systematic literature review and bibliometric analysis. *European Journal of Tourism, Hospitality and Recreation*. 2024;14(1):127–139. doi: 10.2478/ejthr-2024-0009
- Lavaredas A, Campos F, Almeida GGF, Dias F, Almeida P. Sustainable development goals in tourism research. *Discover Sustainability*. 2025;6(1). doi: 10.1007/s43621-025-01587-x
- Santos V, Sousa MJ, Costa C, Au-Yong-Oliveira M. Tourism towards sustainability and innovation: A systematic literature review. *Sustainability*. 2021;13(20):11440. doi: 10.3390/su132011440
- León-Gómez A, Ruiz-Palomo D, Fernández-Gámez MA, Revilla-García MR. Sustainable tourism development and economic growth: Bibliometric review and analysis. *Sustainability*. 2021;13(4):2270. doi: 10.3390/su13042270
- Yuetao Y, Wani GA, Nagaraj V, Haseeb M, Sultan S, Hossain ME, et al. Progress in sustainable tourism research: An analysis of the comprehensive literature and future research directions. *Sustainability*. 2023;15(3):2755. doi: 10.3390/su15032755
- , I, Tun Ismail WNA. CHALLENGES AND OPPORTUNITIES FOR IMPLEMENTING INNOVATIVE GREEN TOURISM PRACTICES: EVIDENCE FROM INDONESIA. *PLANNING MALAYSIA*. 2024;22. doi: 10.21837/pm.v22i34.1642
- Bhatt K, Seabra C, Kabia SK, Ashutosh K, Gangotia A. COVID Crisis and Tourism Sustainability: An Insightful Bibliometric Analysis. *Sustainability*. 2022;14(19):12151. doi: 10.3390/su141912151
- Cannonier C, Burke MG. The economic growth impact of tourism in Small Island Developing States—Evidence from the Caribbean. *Tourism Economics*. 2019;25(1):85–108. doi: 10.1177/1354816618792792
- Eijgelaar E, Peeters P. The Global Footprint of Tourism. In: Lew AA, Hall CM, Williams AM, editors. *The Wiley Blackwell Companion to Tourism*. 1st ed. Wiley; 2014. p. 454–465. doi: 10.1002/9781118474648.ch36
- Harish P, Rao YV. Research on sustainable tourism and biodiversity: A bibliometric analysis. *Anatolia*. 2024;35(4):702–722. doi: 10.1080/13032917.2023.2300120
- Hernández Valdés L, Rodríguez Cairo V, Iglesias Leon S, Gutiérrez Oblitas AI. Approaches to sustainable tourism development associated with community empowerment. Systematic literature review. *Revista Venezolana de Gerencia*. 2025;30(112):1979–1998. doi: 10.52080/rvgluz.30.112.19
- Kaakandikar RM, Gadekar KM, Patil PM. Sustainable Tourism in the Digital Era. In: Silic M, Luthia M, Ahmad F, Chakraborty PP, editors. *Empowering Sustainable Performance and Competitive Advantage in Tourism*. IGI Global Scientific Publishing; 2025. p. 259–298. doi: 10.4018/979-8-3373-4546-8.ch009
- Kvaratskhelia R. The Role of Agritourism and Eco-Agritourism in Social Welfare Development. In: Bari MW, Soliman M, Alaverdov E, editors. *Advances in Hospitality, Tourism, and the Services Industry*. IGI Global; 2024. p. 228–249. doi: 10.4018/979-8-3693-2619-0.ch013
- Kyryliuk I, Krasnomovets V, Sushchenko O, Lytvyn O, Chvertko L, Neshchadym L. Strategies for the Development of Responsible Tourism to Support a Sustainable Tourism Ecosystem. In: Semenov A, Yepifanova I, Kajanová J, editors. *Data-Centric Business and Applications*. Vol. 275. Springer Nature Switzerland; 2026. p. 167–186. doi: 10.1007/978-3-032-10153-2\_8
- Liu Y, Hou Y, Guo J, Yan C. The impact of environment on enhancement of tourism system resilience in China: The moderating role of digital technology. *Technological Forecasting and Social Change*. 2024;206:123492. doi: 10.1016/j.techfore.2024.123492
- López-Bonilla JM, Reyes-Rodríguez MDC, López-Bonilla LM. Interactions and Relationships between Personal Factors in Pro-Environmental Golf Tourist Behaviour: A Gender Analysis. *Sustainability*. 2019;12(1):332. doi: 10.3390/su12010332
- Luo W. Evaluating Tourist Destination Performance: Expanding the Sustainability Concept. *Sustainability*. 2018;10(2):516. doi: 10.3390/su10020516
- McGehee NG, Boley BB, Hallo JC, McGee JA, Norman W, Oh CO, et al. Doing sustainability: An application of an inter-disciplinary and mixed-method approach to a regional sustainable tourism project. *Journal of Sustainable Tourism*. 2013;21(3):355–375. doi: 10.1080/09669582.2012.709862
- Nikolaou M, Achillas C, Dimou V. Sustainability Indicators for Tourism Destinations. In: Kostavelis I, Folinas D, Aidonis D, Achillas C, editors. *Supply Chains*. Vol. 2111. Springer Nature Switzerland; 2025. p. 149–159. doi: 10.1007/978-3-031-69351-9\_13
- Palazzo M, Gigauri I, Panait MC, Apostu SA, Siano A. Sustainable Tourism Issues in European Countries during the Global Pandemic Crisis. *Sustainability*. 2022;14(7):3844. doi: 10.3390/su14073844
- Ray N, Chatterjee TK, Bose I. Exploring the Socio-Economic Effects of Rural Cultural Tourism: A Case Study of Shantiniketan, West Bengal. In: Albattat A, editor. *Advances in Hospitality, Tourism, and the Services Industry*. IGI Global; 2025. p. 87–106. doi: 10.4018/979-8-3693-3196-5.ch005
- Rhouiri M, Meyabe MH, Benarbi MA. Territorial Tourism 2.0: Towards a Collaborative and Innovative Approach. In: Alla L, Alj B, Bentalha B, editors. *Advances in Marketing, Customer Relationship Management, and E-Services*. IGI Global; 2024. p. 381–410. doi: 10.4018/979-8-3693-9775-6.ch013
- Robin RS, Debasis T, Hariharan G, Ramesh R, Purvaja R. Harnessing the Blue Economy in Lakshadweep Islands Through a Sustainable Tourism Perspective. *Current Science*. 2024;126(2):215. doi: 10.18520/cs/v126/i2/215-221
- Ruiz-Ortega MJ, Parra-Requena G, García-Villaverde PM. From entrepreneurial orientation to sustainability

- orientation: The role of cognitive proximity in companies in tourist destinations. *Tourism Management*. 2021;84:104265. doi: 10.1016/j.tourman.2020.104265
27. Keelery S. Statista, Travel Tourism and Hospitality (Travel Tourism and Hospitality). 2024. Available from: <https://www.statista.com/statistics/313724/total-contribution-of-travel-and-tourism-to-gdp-in-india-by-segment/>
28. Santos MC, Veiga C, Santos JAC, Águas P. Sustainability as a success factor for tourism destinations: A systematic literature review. *Worldwide Hospitality and Tourism Themes*. 2022;14(1):20–37. doi: 10.1108/WHATT-10-2021-0139
29. Sereda M, McFerran D, Axon E, Baguley DM, Hall DA, Potgieter I, *et al.* A process for prioritising systematic reviews in tinnitus. *International Journal of Audiology*. 2020;59(8):640–646. doi: 10.1080/14992027.2020.1733677
30. Spenceley A, Meyer D. Tourism and poverty reduction: Theory and practice in less economically developed countries. *Journal of Sustainable Tourism*. 2012;20(3):297–317. doi: 10.1080/09669582.2012.668909
31. Tanrisever C, Pamukçu H, Baydeniz E. Climate Change in Tourism: Understanding the Impacts and Opportunities for Sustainability. In: Tanrisever C, Pamukçu H, Sharma A, editors. *Future Tourism Trends Volume 1*. Emerald Publishing Limited; 2024. p. 33–45. doi: 10.1108/978-1-83753-244-520241003
32. The Dilemma of cultural commodification policy of barkcloth: A study of the Kaili Community in Pandere Village, Indonesia. *Kasetsart Journal of Social Sciences*. 2024;45(2). doi: 10.34044/j.kjss.2024.45.2.29
33. Varghese B, H S. Smart Tourism Eco Space: Praxis Policies and Governance. In: Varghese B, H S, editors. *Advances in Hospitality, Tourism, and the Services Industry*. IGI Global; 2024. p. 373–388. doi: 10.4018/979-8-3693-3715-8.ch020
34. Veiga C, Santos MC, Águas P, Santos JAC. Sustainability as a key driver to address challenges. *Worldwide Hospitality and Tourism Themes*. 2018;10(6):662–673. doi: 10.1108/WHATT-08-2018-0054
35. Veroniki AA, Tricco AC, Rangira D, McKenzie JE, Li T, Straus SE, *et al.* Updating the PRISMA reporting guideline for network meta-analysis: A scoping review. *Journal of Clinical Epidemiology*. 2025;188:111985. doi: 10.1016/j.jclinepi.2025.111985
36. Wen Y, Ha SW, Tan CC. Cultural commodification as cultural sustainability: A case study of the Xiangxi Tujia Bai Shou dance. *Cogent Arts & Humanities*. 2025;12(1):2568642. doi: 10.1080/23311983.2025.2568642