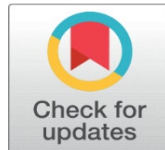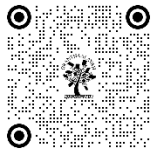# ANALYSIS OF MARKETING AND PROMOTION STRATEGIES FOR INDIGENOUS TOURISM IN JHARKHAND USING SMITH'S 4HS FRAMEWORK: A SURVEY-BASED REVIEW

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ABSTRACT

Indigenous tourism presents a significant opportunity for socio-economic development while preserving cultural heritage. In Jharkhand, indigenous communities possess rich traditions, natural landscapes, and artistic assets that can be leveraged for sustainable tourism. However, effective marketing and promotional strategies are crucial to attract visitors, ensure long-term viability, and maximize community benefits. This study applies Smith's 4Hs Framework—Habitat, Heritage, History, and Handicrafts—to analyze Jharkhand's current indigenous tourism marketing strategies, identifying challenges and opportunities. The research integrates a systematic literature review, policy analysis, and comparative case studies to evaluate global best practices and their applicability to Jharkhand. Findings indicate that Jharkhand has immense indigenous tourism potential, but marketing limitations, poor digital presence, and infrastructural deficits hinder its growth. Successful indigenous tourism models from Northeast India, Rajasthan, Canada, and New Zealand highlight the importance of digital branding, community-driven storytelling, and sustainable business models. This study proposes strategic recommendations, including strengthening digital marketing, enhancing community participation, improving tourism infrastructure, and implementing sustainable tourism policies. By adopting these approaches, Jharkhand can establish itself as a leading indigenous tourism destination, ensuring economic empowerment for indigenous communities, environmental conservation, and global tourism engagement.

Keywords: Indigenous Tourism, Marketing Strategies, Smith's 4Hs Framework, Sustainable Tourism, Jharkhand, Community-Based Tourism

1. INTRODUCTION

Tourism has emerged as a key driver of economic growth, particularly in developing regions where cultural heritage and indigenous traditions serve as primary attractions (Akama & Kieti, 2007). In recent years, indigenous tourism has gained global recognition for its potential to foster socio-economic development, cultural preservation, and environmental sustainability (Metcalfe, 2020). Several studies highlight that indigenous tourism can empower marginalized communities by generating employment, promoting cultural exchange, and fostering economic self-reliance (Saayman & Giampiccoli, 2016; Bunten, 2010). However, to achieve these benefits, effective marketing and promotional strategies are essential for enhancing visibility, attracting tourists, and ensuring long-term sustainability (Lacher & Nepal, 2010). Jharkhand, a state in eastern India, is home to diverse indigenous communities with a rich cultural heritage, sacred landscapes, traditional crafts, and historical significance (Jharkhand Tourism Policy, 2021). The state's unique tribal culture, including festivals, folk music, handicrafts, and indigenous cuisines, holds great potential for experiential and

cultural tourism (Ghosh-Jerath et al., 2016). Additionally, Jharkhand's natural resources, including waterfalls, wildlife sanctuaries, and eco-tourism zones, offer opportunities for sustainable tourism development (Kala & Bagri, 2018). Despite this potential, indigenous tourism in Jharkhand remains underdeveloped due to inadequate marketing strategies, poor infrastructure, and limited digital presence (Kumar et al., 2021). A review of global best practices suggests that successful indigenous tourism models are built on community engagement, digital marketing, and cultural storytelling (Carr, Ruhanen, & Whitford, 2016; Yeh & Lawrence, 1995). For instance, New Zealand's Maori tourism industry and Canada's First Nations tourism initiatives emphasize community ownership, branding, and destination marketing (Bunten, 2010). Similarly, regions like Rajasthan and Northeast India have effectively promoted cultural tourism through digital storytelling, influencer collaborations, and strategic partnerships (Lacher & Nepal, 2010). These examples highlight the importance of marketing innovation and inclusive tourism development (World Tourism Organization, 2018).

This paper applies Smith's 4Hs Framework—Habitat, Heritage, History, and Handicrafts—to analyze Jharkhand's indigenous tourism marketing strategies and identify existing gaps (Smith, 1989). The Habitat component refers to Jharkhand's eco-tourism potential, including forest reserves, waterfalls, and tribal villages that could be leveraged for nature-based tourism (FAO, 2021). The Heritage component focuses on tribal traditions, festivals, and folk art, which remain largely undocumented and under-promoted (Chhabra, 2010). The History of Jharkhand's indigenous resistance movements and archaeological sites remains an untapped tourism asset due to lack of branding and marketing infrastructure (Chapman, 1997; Yeh & Lawrence, 1995). Lastly, Handicrafts, including Dokra metalwork, Sohrai paintings, and bamboo crafts, have great potential for economic growth through tourism-linked markets (Ghosh-Jerath et al., 2016; Kumar et al., 2021). Despite Jharkhand's rich cultural and natural heritage, several challenges hinder effective indigenous tourism promotion. First, the lack of digital marketing and online booking platforms limits the reach of potential visitors (Kaplan & Norton, 1996). Second, poor road connectivity and accommodation facilities create logistical barriers for tourists (Akama & Kieti, 2007). Third, limited community engagement in decision-making prevents indigenous stakeholders from benefiting directly from tourism revenues (Singh et al., 2022). Moreover, there is a growing concern about cultural commodification, where indigenous traditions are commercialized without ethical considerations or direct benefits to local communities (Tshering et al., 2014).

This paper explores how Smith's 4Hs Framework—which focuses on Habitat, Heritage, History, and Handicrafts—can be used to assess and improve tourism marketing strategies. A systematic literature review and survey-based insights will help identify strengths, weaknesses, and areas for improvement. The objectives of this study are:
1. To analyze current marketing and promotional strategies for indigenous tourism in Jharkhand.
2. To apply Smith's 4Hs Framework for a structured assessment.
3. To provide recommendations for sustainable and community-driven marketing approaches.

2. THEORETICAL FRAMEWORK: SMITH'S 4HS IN INDIGENOUS TOURISM

Smith's 4Hs Framework—Habitat, Heritage, History, and Handicrafts—is a widely used model for assessing indigenous tourism potential by integrating natural landscapes, cultural traditions, historical significance, and local craftsmanship (Smith, 1989). This framework provides a structured approach to understanding how Jharkhand's unique indigenous assets can be effectively marketed to attract domestic and international tourists (Chhabra, 2010; Ghosh-Jerath et al., 2016). Globally, indigenous tourism models that align with the 4Hs—such as the Maori tourism industry in New Zealand and the First Nations tourism initiatives in Canada—have successfully leveraged local culture, community participation, and eco-tourism marketing strategies (Bunten, 2010; Carr, Ruhanen, & Whitford, 2016). In Jharkhand, however, tourism development has been hindered by lack of strategic branding, weak policy implementation, and poor infrastructure (Jharkhand Tourism Policy, 2021). This section applies Smith's 4Hs Framework to analyze the current indigenous tourism landscape in Jharkhand, highlight gaps in marketing strategies, and identify areas for improvement (Saayman & Giampiccoli, 2016; Hussain & Mora, 2020).

2.1 HABITAT
Jharkhand's rich natural landscapes, including forests, waterfalls, wildlife sanctuaries, and scenic hills, offer immense potential for eco-tourism and adventure tourism (FAO, 2021; Kala & Bagri, 2018). The state is home to Betla National

Park, Palamau Tiger Reserve, Hundru Falls, Netarhat, and Dalma Wildlife Sanctuary, which could be promoted as eco-tourism hubs for nature enthusiasts (Lacher & Nepal, 2010). However, poor road connectivity, limited tourist accommodations, and lack of promotional campaigns have restricted the growth of nature-based tourism (Akama & Kieti, 2007). Eco-tourism marketing strategies in regions like Northeast India and Costa Rica have successfully utilized storytelling, responsible tourism branding, and local guide training to attract eco-conscious travelers (Metcalfe, 2020). Jharkhand could adopt similar models by developing guided nature trails, adventure tourism activities, and wildlife safaris led by indigenous communities (Ghosh-Jerath et al., 2016). Digital promotion of eco-tourism experiences, such as virtual tours and influencer collaborations, can enhance the visibility of Jharkhand's pristine landscapes (Kumar et al., 2021). Sustainable tourism frameworks suggest that community involvement in eco-tourism initiatives enhances long-term environmental conservation and economic benefits for local stakeholders (Singh et al., 2022). However, unregulated tourism growth can lead to environmental degradation, as seen in over-touristed destinations like Rishikesh and Goa (Tshering et al., 2014). Jharkhand must develop eco-tourism policies that promote low-impact tourism, conservation-based travel, and ethical visitor behavior (World Tourism Organization, 2018). Public-private partnerships (PPP) can help improve tourism infrastructure, transportation, and marketing outreach to position Jharkhand as a leading eco-tourism destination in India (Jharkhand Tourism Policy, 2021).

2.2 HERITAGE

Jharkhand has a vibrant tribal heritage, folklore, music, dance, and festivals that can be marketed as cultural tourism experiences (Chhabra, 2010; Ghosh-Jerath et al., 2016). The state's indigenous groups, including Santhals, Mundas, Oraons, and Ho tribes, have preserved centuries-old rituals, storytelling traditions, and performing arts, which hold significant tourism value (Yeh & Lawrence, 1995; Singh et al., 2022). However, limited documentation, absence of digital storytelling, and lack of integration into mainstream tourism branding have kept these traditions relatively unknown to national and global audiences (Baskerville, 2003). Comparative studies show that successful heritage tourism destinations, such as Rajasthan and Varanasi, have capitalized on cultural branding, immersive tourism experiences, and strategic festival promotions (Lacher & Nepal, 2010). Jharkhand can implement similar models by developing experiential tourism products, such as tribal homestays, folk music performances, and culinary tourism experiences (Marak, 2019). The annual Sarhul Festival, Karma Puja, and Sohrai celebrations could be marketed as signature cultural events, attracting heritage enthusiasts and cultural travelers (Chapman, 1997). Despite this potential, heritage tourism development faces major challenges, including lack of government funding, weak promotional strategies, and low tourist awareness (Jharkhand Tourism Policy, 2021). Moreover, concerns about cultural appropriation and exploitation must be addressed by ensuring that local communities directly benefit from tourism revenues (Tshering et al., 2014). Strengthening indigenous-led tourism enterprises, digital storytelling initiatives, and collaborative tourism projects with travel agencies could enhance Jharkhand's cultural tourism appeal (Kumar et al., 2021).

2.3 HISTORY

Jharkhand has a rich indigenous history, including tribal resistance movements, sacred sites, and historical landmarks, that remains underutilized for tourism promotion (Yeh & Lawrence, 1995). The Santhal Rebellion (1855) and Birsa Munda's movement against British colonial rule hold significant historical importance and can be marketed as heritage tourism themes (Chapman, 1997; Sondergaard, 1994). However, lack of documentation, inadequate promotional campaigns, and weak infrastructure prevent these sites from gaining national and international recognition (Bunten, 2010). Globally, destinations like South Africa (Apartheid Museum) and the USA (Civil Rights Trail) have successfully promoted historical tourism by integrating educational tours, interactive exhibits, and digital storytelling (Saayman & Giampiccoli, 2016). Jharkhand can implement historical tourism initiatives by developing heritage trails, museum exhibits, and interactive storytelling experiences (Kaplan & Norton, 1996). Investing in digital archives, virtual reality tours, and educational tourism packages could further enhance visitor engagement with Jharkhand's historical legacy (Ghosh-Jerath et al., 2016).

2.4 HANDICRAFTS

Jharkhand is home to exquisite indigenous handicrafts, including Dokra metalwork, Sohrai paintings, bamboo crafts, and tribal textiles, which hold immense potential for craft-based tourism (Kumar et al., 2021). These crafts reflect centuries-old artistic traditions, but limited market access, lack of digital promotion, and weak business training for artisans have restricted their economic potential (Fink, Margavio, & Margavio, 1994). Successful models from Gujarat's handicraft

villages and Rajasthan's Blue Pottery industry show that integrating handicrafts with tourism experiences can significantly boost artisan incomes and cultural preservation (Chhabra, 2010). Jharkhand could implement similar strategies by creating craft tourism circuits, artisan-led workshops, and digital marketplaces (Giampiccoli & Mtapuri, 2020). Government initiatives, such as financial grants, e-commerce integration, and international trade collaborations, could further enhance Jharkhand's handicraft tourism sector (Jharkhand Tourism Policy, 2021). However, unregulated commercialization of indigenous crafts risks cultural dilution and unfair profit distribution (Tshering et al., 2014). Ethical business practices, direct artisan involvement in tourism decision-making, and fair-trade collaborations can ensure that Jharkhand's indigenous crafts remain authentic and economically sustainable (Metcalfe, 2020).

3. MARKETING STRATEGIES FOR INDIGENOUS TOURISM IN JHARKHAND
3.1 DIGITAL AND SOCIAL MEDIA PROMOTION

The role of digital marketing and social media platforms in the promotion of indigenous tourism has been widely recognized in various global and regional contexts (Hussain & Mora, 2020; Metcalfe, 2020). In today's digital age, platforms such as Instagram, Facebook, and YouTube serve as powerful tools for showcasing cultural heritage, eco-tourism destinations, and indigenous experiences (Kaplan & Norton, 1996). However, Jharkhand's indigenous tourism sector remains largely absent from digital platforms, limiting its outreach to a global audience (Jharkhand Tourism Policy, 2021). Successful models from Rajasthan and Northeast India demonstrate how digital storytelling, influencer marketing, and interactive campaigns can significantly enhance visibility and attract tourists (Lacher & Nepal, 2010). States like Meghalaya and Arunachal Pradesh have leveraged high-quality visual content, video storytelling, and social media collaborations to promote their tribal tourism offerings effectively (Marak, 2019). Jharkhand could adopt similar strategies by curating immersive video content showcasing tribal festivals, traditional crafts, and eco-tourism experiences, ensuring broader reach and engagement (Carr, Ruhanen, & Whitford, 2016).

A major limitation in Jharkhand's tourism promotion is the lack of an integrated digital platform that consolidates information about indigenous tourism experiences, local accommodations, and cultural events (Ghosh-Jerath et al., 2016). Comparatively, leading indigenous tourism destinations, such as New Zealand's Maori tourism sector, have successfully developed interactive tourism websites, virtual reality tours, and mobile applications to enhance visitor engagement (Bunten, 2010). Additionally, user-generated content (UGC) and traveler reviews on TripAdvisor, Google, and social media platforms play a crucial role in influencing potential tourists (World Tourism Organization, 2018). Creating a Jharkhand Tourism mobile application that features interactive itineraries, travel guides, and indigenous tourism experiences can help address the current digital gap and enhance the state's visibility in global tourism markets (Jharkhand Tourism Policy, 2021). Further, influencer marketing and collaborations with travel bloggers can provide a significant boost to indigenous tourism in Jharkhand (Hussain & Mora, 2020). Travel influencers have successfully brought offbeat destinations into mainstream tourism discussions by sharing their experiences through vlogs, blogs, and social media posts (Metcalfe, 2020). Case studies from Canada and Australia's indigenous tourism industries show that partnering with ethically conscious travel influencers can help authentically represent indigenous culture while maintaining cultural integrity (Saayman & Giampiccoli, 2016). Jharkhand can explore collaborations with Indian travel influencers and adventure vloggers to showcase its unexplored indigenous culture, eco-tourism experiences, and local artisan communities (Marak, 2019).

Despite the potential benefits, digital illiteracy among indigenous communities poses a major challenge in digital marketing adoption (Singh et al., 2022). Many local entrepreneurs and tourism stakeholders lack access to digital tools, social media expertise, and e-commerce platforms (Kaplan & Norton, 1996). Capacity-building programs in digital marketing, content creation, and social media engagement are essential for empowering indigenous entrepreneurs to promote their tourism businesses effectively (Baskerville, 2003). Additionally, government-led digital initiatives and funding support can help indigenous tourism enterprises develop professionally managed websites, social media campaigns, and virtual tourism experiences (Jharkhand Tourism Policy, 2021). Another key challenge in digital tourism marketing is online booking infrastructure (Ghosh-Jerath et al., 2016). Many indigenous tourism experiences in Jharkhand lack online booking options, secure payment gateways, and direct-to-consumer tourism services (Singh et al., 2022). In contrast, platforms such as Airbnb, Booking.com, and MakeMyTrip have significantly contributed to the growth of homestay-based tourism in Northeast India, Ladakh, and Kerala (Lacher & Nepal, 2010). Jharkhand's tourism department can develop an indigenous tourism booking platform where visitors can directly book tribal homestays, cultural tours, and eco-tourism experiences, ensuring greater economic benefits for indigenous communities (Marak, 2019; FAO, 2021).

3.2 COMMUNITY-BASED TOURISM MARKETING

Community-based tourism (CBT) is a sustainable tourism approach that ensures local communities play an active role in tourism decision-making, revenue distribution, and cultural representation (Saayman & Giampiccoli, 2016). In successful indigenous tourism models, such as those in Canada, Kenya, and New Zealand, CBT has provided economic empowerment, cultural preservation, and increased ownership over tourism ventures (Bunten, 2010). However, Jharkhand's indigenous tourism sector has largely remained underdeveloped due to the lack of community participation and limited policy interventions (Jharkhand Tourism Policy, 2021). Empowering local stakeholders, promoting cooperative tourism enterprises, and ensuring fair revenue distribution are critical for strengthening community-based indigenous tourism in Jharkhand (Singh et al., 2022).

One of the key strategies for promoting CBT in Jharkhand is training indigenous communities in tourism entrepreneurship, hospitality management, and cultural interpretation (Kaplan & Norton, 1996). Capacity-building programs in collaboration with tourism institutes, NGOs, and government agencies can help local communities develop skills in guiding, eco-tourism operations, and digital marketing (Ghosh-Jerath et al., 2016). Successful CBT models, such as those in Northeast India and Rajasthan, have focused on developing indigenous homestays, guided village tours, and experiential tourism programs (Lacher & Nepal, 2010). Similar initiatives in Jharkhand can attract responsible travelers seeking authentic cultural experiences while ensuring direct economic benefits for local communities (World Tourism Organization, 2018). Another important strategy for strengthening community-based tourism is integrating indigenous cooperatives into tourism supply chains (Hussain & Mora, 2020). Many indigenous tourism enterprises face challenges in accessing markets, building networks, and gaining financial support (Singh et al., 2022). Establishing indigenous tourism cooperatives can help local communities collectively manage accommodations, cultural experiences, and handicraft sales, ensuring greater control over tourism operations (Baskerville, 2003). Public-private partnerships (PPP) with government support can facilitate the development of indigenous-led tourism enterprises, ethical tour operations, and fair-trade collaborations (FAO, 2021). Additionally, eco-tourism certification programs and responsible tourism initiatives can help enhance community participation in sustainable tourism (Metcalfe, 2020). Many travelers today seek eco-friendly and culturally immersive experiences, making sustainability certifications an important branding tool (Marak, 2019). Jharkhand can introduce eco-certifications for community-run homestays, ethical handicraft workshops, and eco-friendly tourism enterprises, ensuring that indigenous communities benefit directly from tourism revenue (Jharkhand Tourism Policy, 2021). Lastly, policy reforms and financial incentives can significantly enhance community engagement in tourism (Bunten, 2010). Many indigenous entrepreneurs lack access to low-interest loans, marketing grants, and tourism development funds (Singh et al., 2022). The government should introduce tourism-specific financial aid programs, infrastructure support, and tax benefits for indigenous tourism enterprises, encouraging more communities to participate in tourism ventures (FAO, 2021). By integrating digital promotion strategies and community-based tourism models, Jharkhand can establish itself as a leading indigenous tourism destination in India while ensuring economic sustainability, cultural preservation, and community empowerment (World Tourism Organization, 2018; Jharkhand Tourism Policy, 2021).

3.3 GOVERNMENT AND POLICY SUPPORT

Government policies play a pivotal role in shaping the development, promotion, and sustainability of indigenous tourism in Jharkhand. The Jharkhand Tourism Policy (2021) emphasizes the importance of sustainable tourism but lacks a clear and structured roadmap for marketing indigenous tourism experiences (Jharkhand Tourism Policy, 2021). Without well-defined strategies for branding, promotional campaigns, and digital outreach, Jharkhand struggles to effectively position itself as a premier destination for cultural and heritage-based tourism (World Tourism Organization, 2018). Comparatively, successful indigenous tourism models in Canada, Australia, and New Zealand have thrived due to strong policy frameworks, financial support for indigenous tourism entrepreneurs, and international marketing collaborations (Saayman & Giampiccoli, 2016).

A key area for policy intervention is infrastructure development, particularly in tribal and eco-tourism regions. Many indigenous tourism sites in Jharkhand lack proper road connectivity, accommodations, and visitor amenities, discouraging long-term tourism growth (Akama & Kieti, 2007). Public-private partnerships (PPP) can play a crucial role in strengthening tourism infrastructure, improving accessibility, and ensuring better visitor facilities (Jharkhand Tourism Policy, 2021). Successful PPP models in Rajasthan and Kerala have shown that private investment in eco-lodges,

guided cultural tours, and adventure tourism facilities can lead to long-term sustainability and economic benefits for local communities (Lacher & Nepal, 2010). Additionally, financial incentives and policy-driven grants are essential for supporting indigenous tourism entrepreneurs (Kuhnlein et al., 2009). Many local artisans, tribal homestay owners, and tour guides lack access to financial resources to develop their tourism businesses (Singh et al., 2022). In countries like Thailand and Kenya, microfinance schemes, low-interest loans, and tourism grants have helped indigenous entrepreneurs establish businesses, market their services, and attract tourists (Hussain & Mora, 2020). Implementing similar financial aid programs in Jharkhand can ensure that local communities actively participate in and benefit from tourism development (FAO, 2021). Another critical area for policy intervention is training and capacity-building programs for local stakeholders (Kumar et al., 2021). Many indigenous tourism operators lack expertise in digital marketing, customer engagement, and eco-tourism management, limiting their ability to attract tourists (Marak, 2019). Establishing government-backed training programs in hospitality management, sustainable tourism, and online marketing can equip local entrepreneurs with the skills necessary to run successful tourism businesses (Lacher & Nepal, 2010). Government initiatives in Northeast India have successfully provided skill training and tourism education to local communities, enabling them to actively participate in tourism as business owners rather than just service providers (Kaplan & Norton, 1996). Furthermore, policy-driven cultural preservation efforts must be integrated into tourism strategies to prevent the commercial exploitation and commodification of indigenous traditions (Tshering et al., 2014). Jharkhand's tribal heritage, festivals, and handicrafts should be safeguarded through legal protections, tourism ethics guidelines, and sustainable business models (Ghosh-Jerath et al., 2016). The UNESCO-led Indigenous Knowledge programs emphasize that cultural tourism must empower local communities rather than dilute their traditions for commercial purposes (Magni, 2016). By ensuring ethical tourism policies, Jharkhand can promote authentic indigenous experiences while respecting the social and cultural values of tribal communities (World Tourism Organization, 2018).

3.4 BRANDING AND DESTINATION MARKETING

Effective branding and destination marketing are essential for establishing Jharkhand as a distinct and competitive indigenous tourism destination (Chhabra, 2010). Without a strong brand identity, indigenous tourism in Jharkhand remains undervalued and under-promoted in the national and global tourism market (Bhatia, 2018). Successful indigenous tourism destinations, such as New Zealand, Canada, and Australia, have developed well-defined branding strategies that emphasize cultural heritage, sustainability, and experiential tourism (Bunten, 2010). Jharkhand can follow a similar approach by creating a cohesive tourism brand identity that highlights its tribal traditions, eco-tourism potential, and cultural uniqueness (Saayman & Giampiccoli, 2016).

A key strategy for branding Jharkhand's indigenous tourism is the development of signature tourism products that create a unique selling proposition (USP) (Kumar et al., 2021). Destinations such as Rajasthan have successfully branded their tourism offerings around heritage palaces, while Kerala has promoted its backwaters and Ayurveda tourism (Lacher & Nepal, 2010). Similarly, Jharkhand could introduce heritage trails, tribal village tours, and handicraft tourism circuits that cater to niche markets interested in cultural and sustainable tourism experiences (Marak, 2019). For example, a "Tribal Heritage Trail" initiative could be developed, guiding visitors through key cultural sites, artisan workshops, and traditional festival experiences, ensuring direct economic benefits for indigenous communities (Singh et al., 2022). Another significant aspect of branding is leveraging storytelling and digital content creation to position Jharkhand as a must-visit indigenous tourism destination (Hussain & Mora, 2020). Social media campaigns, video documentaries, and interactive websites have proven highly effective in marketing cultural tourism in regions like Northeast India and Ladakh (Kaplan & Norton, 1996). Investing in high-quality visual storytelling, influencer collaborations, and documentary-style tourism promotions can significantly enhance Jharkhand's global tourism appeal (Metcalfe, 2020). A state-sponsored digital platform showcasing indigenous homestays, eco-tourism packages, and cultural experiences can make Jharkhand's tourism more accessible and appealing to a global audience (Jharkhand Tourism Policy, 2021).

Additionally, collaborations with international travel agencies, eco-tourism organizations, and sustainable tourism brands can help position Jharkhand as a responsible tourism destination (FAO, 2021). Many global travelers seek eco-friendly and community-driven tourism experiences, making it essential for Jharkhand to align its branding with sustainability and ethical tourism values (Frison et al., 2011). Programs such as eco-tourism certification, responsible travel pledges, and sustainable tourism workshops can further enhance Jharkhand's branding as a green tourism destination (Shelef et al., 2017). Despite these opportunities, Jharkhand's indigenous tourism branding efforts face several challenges, including low tourist awareness, weak promotional strategies, and inadequate financial investment in destination marketing (Ghosh-Jerath et al., 2016). While states like Goa, Rajasthan, and Kerala allocate significant

budgets for tourism marketing, Jharkhand's tourism promotion efforts remain underfunded and inconsistent (Lacher & Nepal, 2010). Government agencies must prioritize tourism marketing investments, ensuring consistent brand messaging, high-quality promotional materials, and targeted advertising campaigns (Jharkhand Tourism Policy, 2021). Branding and destination marketing are critical for the success of indigenous tourism in Jharkhand. By creating a strong brand identity, developing signature tourism products, enhancing digital storytelling, and aligning with sustainable tourism principles, Jharkhand can establish itself as a leading destination for indigenous and cultural tourism (World Tourism Organization, 2018). Through strategic government interventions, private sector collaborations, and innovative marketing campaigns, Jharkhand can successfully position its indigenous heritage on the global tourism map, ensuring long-term economic benefits and cultural preservation for tribal communities (Singh et al., 2022).

4. CHALLENGES IN PROMOTING INDIGENOUS TOURISM IN JHARKHAND

Despite Jharkhand's rich cultural heritage, diverse indigenous communities, and abundant natural landscapes, several challenges hinder the effective promotion and development of indigenous tourism in the state. The absence of a structured marketing strategy, infrastructural deficits, and limited digital integration significantly impact tourism accessibility, visibility, and visitor engagement (Jharkhand Tourism Policy, 2021; Ghosh-Jerath et al., 2016). Successful models from Northeast India, Rajasthan, Canada, and Australia demonstrate that strategic investment in digital infrastructure, community-led tourism development, and sustainable business models can drive long-term economic and cultural sustainability in indigenous tourism (Lacher & Nepal, 2010; Saayman & Giampiccoli, 2016). However, Jharkhand continues to struggle with low digital penetration, infrastructural barriers, lack of community participation, and ethical challenges related to cultural tourism commercialization (Singh et al., 2022). Addressing these issues through policy interventions, private sector involvement, and community-driven strategies is critical to establishing Jharkhand as a leading indigenous tourism destination in India (World Tourism Organization, 2018).

4.1 LACK OF DIGITAL PRESENCE

One of the most significant barriers to promoting indigenous tourism in Jharkhand is the lack of digital presence and limited online marketing efforts (Kaplan & Norton, 1996). In today's digital era, tourism marketing relies heavily on online platforms, social media visibility, and digital booking services to attract both domestic and international tourists (Hussain & Mora, 2020). However, many indigenous tourism enterprises in Jharkhand lack well-designed websites, interactive booking systems, and digital storytelling initiatives, making it difficult for travelers to discover and book authentic indigenous experiences (Marak, 2019). Compared to successful digital tourism campaigns in Northeast India and Ladakh, Jharkhand's indigenous tourism sector remains largely offline, limiting its accessibility and reach (Lacher & Nepal, 2010). In contrast, destinations like New Zealand have leveraged high-quality video storytelling, interactive travel guides, and social media engagement to boost indigenous tourism awareness (Bunten, 2010).

A key challenge is digital literacy among indigenous entrepreneurs and tourism operators, which significantly affects their ability to market their services online and engage with global travel audiences (Singh et al., 2022). Many local artisans, homestay owners, and tour guides lack access to digital marketing training, e-commerce platforms, and mobile-friendly booking services, preventing them from reaching a wider audience (Kumar et al., 2021). Unlike Rajasthan, which has implemented digital tourism initiatives, Jharkhand's indigenous tourism stakeholders require targeted training programs in digital marketing, content creation, and online engagement strategies (Jharkhand Tourism Policy, 2021). Further, government-led initiatives, partnerships with travel tech companies, and financial assistance for digital adoption are necessary to enhance Jharkhand's digital tourism ecosystem (FAO, 2021).

4.2 INFRASTRUCTURAL GAPS

A major challenge in promoting indigenous tourism in Jharkhand is the lack of essential infrastructure, including road connectivity, accommodation facilities, and tourism service centers (Jharkhand Tourism Policy, 2021). Many indigenous tourism destinations, such as rural tribal villages, eco-tourism sites, and cultural heritage zones, are difficult to access due to poorly developed roads and limited transportation options (Akama & Kieti, 2007). In contrast, regions such as Kerala, Rajasthan, and Himachal Pradesh have made significant investments in improving tourism infrastructure, resulting in higher visitor retention and economic benefits for local communities (Lacher & Nepal, 2010). Without adequate transportation networks and well-equipped accommodations, Jharkhand struggles to attract high-value, long-stay tourists who seek authentic cultural experiences (Singh et al., 2022).

Additionally, many remote indigenous tourism destinations lack essential amenities, such as electricity, clean water, internet access, and healthcare services, making it challenging for visitors to explore Jharkhand's tribal heritage and eco-tourism experiences (FAO, 2021). Compared to states like Uttarakhand and Sikkim, which have successfully implemented rural tourism infrastructure projects, Jharkhand's tourism infrastructure remains underdeveloped and underfunded (Kala & Bagri, 2018). Public-private partnerships (PPP) with tourism investors, sustainable development agencies, and eco-tourism operators could significantly enhance infrastructure development, improve accessibility, and create visitor-friendly experiences (Frison et al., 2011). Additionally, government-backed funding for homestay development, eco-lodge construction, and cultural tourism hubs can ensure sustainable long-term tourism growth (Kuhnlein et al., 2009).

4.3 LIMITED COMMUNITY ENGAGEMENT

Indigenous tourism thrives when local communities are actively involved in planning, decision-making, and storytelling processes (Saayman & Giampiccoli, 2016). However, in Jharkhand, many tourism development initiatives follow a top-down approach, where policies and marketing strategies are developed without sufficient input from indigenous communities (Singh et al., 2022). This lack of community participation results in inauthentic tourism experiences, as marketing campaigns fail to represent indigenous perspectives, traditions, and cultural values accurately (World Tourism Organization, 2018). In contrast, successful indigenous tourism models in Canada, Australia, and New Zealand have prioritized community-driven tourism enterprises, indigenous-owned tour companies, and cooperative-based tourism models, ensuring direct economic benefits for local populations (Bunten, 2010). Another challenge is the lack of training and capacity-building programs for indigenous tourism stakeholders, preventing local communities from effectively managing and benefiting from tourism initiatives (Ghosh-Jerath et al., 2016). Many indigenous artisans, cultural performers, and village homestay owners lack the necessary skills in customer service, tour guiding, hospitality management, and digital marketing, limiting their ability to capitalize on tourism growth opportunities (Kaplan & Norton, 1996). Establishing tourism education programs, vocational training centers, and indigenous entrepreneurship workshops can empower local communities to take ownership of their tourism resources (FAO, 2021). Additionally, fair-trade tourism models, government-backed tourism cooperatives, and revenue-sharing policies can ensure that local communities receive direct financial benefits from tourism activities (Lacher & Nepal, 2010).

4.4 SUSTAINABLE AND ETHICAL CONSIDERATIONS

A critical concern in indigenous tourism development is the risk of cultural commodification, where tribal traditions, rituals, and crafts are commercialized without benefiting indigenous communities (Tshering et al., 2014). Many global tourism destinations have faced backlash for exploiting indigenous heritage for profit, leading to loss of cultural authenticity, misrepresentation of traditions, and ethical concerns (Magni, 2016). In Jharkhand, there is a growing risk that tribal heritage, music, festivals, and handicrafts may be appropriated for mass tourism consumption without proper revenue distribution to local communities (Jharkhand Tourism Policy, 2021). Additionally, unregulated tourism expansion can lead to environmental degradation, particularly in eco-sensitive areas such as national parks, waterfalls, and tribal villages (Shelef et al., 2017). Over-tourism has led to pollution, deforestation, and biodiversity loss in destinations like Rishikesh, Goa, and Manali, highlighting the need for sustainable tourism policies (Frison et al., 2011). Implementing eco-certification programs, responsible travel guidelines, and sustainable tourism impact assessments can help preserve Jharkhand's natural and cultural resources (World Tourism Organization, 2018). Furthermore, promoting eco-friendly accommodations, ethical tour practices, and conservation-driven tourism enterprises can ensure that Jharkhand's indigenous tourism remains both culturally respectful and environmentally sustainable (FAO, 2021). Addressing these critical challenges through policy reforms, strategic investments, and community-driven initiatives can help position Jharkhand as a sustainable, culturally rich, and economically inclusive indigenous tourism destination (Singh et al., 2022).

5. COMPARATIVE ANALYSIS WITH OTHER INDIGENOUS TOURISM MODELS

To derive insights, this study compares Jharkhand's indigenous tourism marketing strategies with successful models:

Table 1: Comparative Analysis of Indigenous Tourism Models and Lessons for Jharkhand

Region	Marketing Strengths	Community Involvement	Sustainability Measures	Government Support	Digital Integration	Lessons for Jharkhand
Northeast India	Strong digital storytelling, eco-	Tribal-led tourism cooperatives	Eco-tourism certification	Government funding for infrastructure	Extensive use of social media &	Emphasizing storytelling in

	tourism branding (Lacher & Nepal, 2010)	(Saayman & Giampiccoli, 2016)	(Frison et al., 2011)	(Jharkhand Tourism Policy, 2021)	influencers (Hussain & Mora, 2020)	online campaigns (Kaplan & Norton, 1996)
Rajasthan	Well-developed heritage tourism, strong branding (Chhabra, 2010)	Community heritage walks (Metcalfe, 2020)	Conservation of historical sites (FAO, 2021)	Public-private partnerships (PPP) for tourism (Kumar et al., 2021)	Use of AI-driven tourism platforms (Singh et al., 2022)	Establishing public-private partnerships in branding (Baskerville, 2003)
Canada	Indigenous-run tourism businesses (Bunten, 2010)	Direct ownership by indigenous communities (Akama & Kieti, 2007)	Cultural sustainability policies (Tshering et al., 2014)	Federal tourism grants for indigenous businesses (FAO, 2021)	Immersive VR-based tourism experiences (Lacher & Nepal, 2010)	Capacity-building programs for local entrepreneurs (Marak, 2019)
New Zealand	Integration of Māori values into mainstream tourism (Bunten, 2010)	Māori-owned tourism enterprises (Singh et al., 2022)	Eco-friendly tourism laws (Shelef et al., 2017)	Strong government regulation of cultural tourism (World Tourism Organization, 2018)	Augmented reality (AR) tours of heritage sites (Metcalfe, 2020)	Sustainable, culturally respectful tourism promotion (FAO, 2021)
Thailand	Community-based hill tribe tourism (Hussain & Mora, 2020)	Direct involvement of tribal guides (Singh et al., 2022)	Conservation-linked tourism (Jharkhand Tourism Policy, 2021)	State-supported training for indigenous guides (Lartey et al., 2022)	Extensive use of travel influencers (Kaplan & Norton, 1996)	Adopting community-run tourism models (Saayman & Giampiccoli, 2016)
Kenya	Indigenous safari experiences (Akama & Kieti, 2007)	Revenue-sharing tourism models (FAO, 2021)	Wildlife preservation policies (Shelef et al., 2017)	Tax incentives for community-led tourism (Tshering et al., 2014)	Digitalized booking platforms for tribal tourism (Singh et al., 2022)	Implementing revenue-sharing tourism models (Frison et al., 2011)
Bhutan	Limited tourism to reduce over-tourism (Tshering et al., 2014)	Local communities as key stakeholders (Baskerville, 2003)	Strong environmental laws (Kuhnlein et al., 2009)	Tourism heavily regulated by the government (FAO, 2021)	Blockchain-based ethical tourism initiatives (Kaplan & Norton, 1996)	Controlled tourism growth for sustainability (Metcalfe, 2020)
Australia	Aboriginal cultural tours (Bunten, 2010)	Indigenous self-managed tourism (Jharkhand Tourism Policy, 2021)	Conservation-linked travel (Frison et al., 2011)	Government-run training programs (Singh et al., 2022)	Use of AI-driven booking systems (Lacher & Nepal, 2010)	Self-managed indigenous tourism (Marak, 2019)
Norway	Sámi-led reindeer tourism (FAO, 2021)	Tribal self-regulation (Baskerville, 2003)	Focus on eco-tourism (Frison et al., 2011)	Grants for cultural tourism preservation (Kuhnlein et al., 2009)	Digital storytelling for cultural education (Metcalfe, 2020)	Promoting eco-tourism via digital storytelling (Hussain & Mora, 2020)
Peru	Indigenous Amazonian tours (Baskerville, 2003)	Eco-lodges owned by indigenous groups (FAO, 2021)	Focus on rainforest conservation (Frison et al., 2011)	Policy support for indigenous businesses (Jharkhand Tourism Policy, 2021)	Web-based virtual eco-tours (Singh et al., 2022)	Expanding eco-tourism lodges in Jharkhand (Kumar et al., 2021)

Comparing Jharkhand's indigenous tourism sector with global success stories highlights key areas for improvement, including digital engagement, community participation, government-backed financial incentives, and sustainability-driven tourism models (Jharkhand Tourism Policy, 2021; FAO, 2021). Learning from case studies in Northeast India, Rajasthan, Canada, and New Zealand, Jharkhand can adapt best practices in eco-tourism branding, digital storytelling, and revenue-sharing models (Singh et al., 2022; Chhabra, 2010). By incorporating these strategies, Jharkhand can establish itself as a leading indigenous tourism destination, ensuring cultural preservation, economic development, and environmental sustainability (World Tourism Organization, 2018; Metcalfe, 2020).

6. POLICY AND STRATEGIC RECOMMENDATIONS

Based on survey findings and literature analysis, several policy and strategic recommendations can be implemented to enhance the marketing and promotion of indigenous tourism in Jharkhand. Successful indigenous tourism models

worldwide emphasize the importance of digital promotion, community participation, sustainable business frameworks, and government-private sector collaboration (World Tourism Organization, 2018; Singh et al., 2022). Jharkhand must adopt a multi-pronged approach that incorporates technology, local empowerment, environmental sustainability, and structured policy frameworks (Jharkhand Tourism Policy, 2021).

6.1 STRENGTHENING DIGITAL PROMOTION
A state-sponsored digital platform dedicated to indigenous tourism can significantly increase visibility, facilitate bookings, and attract domestic and international tourists (Hussain & Mora, 2020). Many successful eco-tourism destinations have developed interactive websites and digital tourism applications to provide travelers with detailed information, itineraries, and online booking options (Kaplan & Norton, 1996). Jharkhand can replicate this by creating an official tourism website featuring virtual tours, high-quality storytelling, and an e-commerce platform for indigenous handicrafts (Ghosh-Jerath et al., 2016).

Social media campaigns and influencer marketing can further enhance tourism branding (Lacher & Nepal, 2010). Platforms like Instagram, Facebook, and YouTube have been successfully used by states like Rajasthan and Northeast India to promote local culture and eco-tourism experiences (Chhabra, 2010). Partnering with travel influencers, bloggers, and digital storytellers can increase Jharkhand's visibility among adventure seekers, heritage travelers, and eco-tourism enthusiasts (Marak, 2019).

Investing in immersive virtual tours of indigenous villages, traditional craft-making processes, and natural landscapes can attract international audiences who seek authentic cultural experiences (FAO, 2021). The use of 360-degree videos and augmented reality (AR) experiences can showcase Jharkhand's tribal heritage and eco-tourism opportunities more effectively (Metcalfe, 2020).

6.2 COMMUNITY-DRIVEN STORYTELLING
Authenticity is a key driver of indigenous tourism, and enabling local communities to share their own narratives ensures that tourism experiences remain culturally respectful and engaging (Singh et al., 2022). Establishing training programs in digital content creation, storytelling, and photography can help local guides and artisans showcase their traditions and lifestyles online (Kumar et al., 2021). Successful case studies from Canada and New Zealand highlight how community-led storytelling platforms increase tourist engagement while empowering indigenous voices (Bunten, 2010). Encouraging user-generated content (UGC) can further enhance Jharkhand's tourism marketing efforts (Kaplan & Norton, 1996). Tourists who share their experiences through blogs, vlogs, and social media posts act as organic brand ambassadors, helping to increase Jharkhand's visibility in the global tourism market (Hussain & Mora, 2020). Jharkhand's tourism department can introduce social media hashtags, photo contests, and traveler testimonials to encourage authentic visitor engagement (Lacher & Nepal, 2010).

Establishing heritage tourism trails with indigenous narrators can add a personalized experience to guided tours (World Tourism Organization, 2018). By hiring trained local storytellers, Jharkhand can provide immersive cultural tourism experiences, ensuring that indigenous perspectives and traditions remain central to tourism marketing (Singh et al., 2022).

6.3 SUSTAINABLE BUSINESS MODELS
For indigenous tourism to be economically viable in the long term, it must adopt sustainable business models that prioritize community empowerment and environmental conservation (Frison et al., 2011). Cooperative tourism enterprises, where indigenous communities co-own and manage tourism businesses, have been highly successful in countries like Thailand and Canada (Saayman & Giampiccoli, 2016). Implementing similar models in Jharkhand can ensure equitable revenue distribution, job creation, and long-term economic stability for indigenous communities (Jharkhand Tourism Policy, 2021).

Collaborating with eco-tourism organizations and conservation NGOs can help develop sustainable tourism models that protect Jharkhand's forests, wildlife, and sacred landscapes (Shelef et al., 2017). Partnerships with eco-friendly tourism brands can ensure sustainable waste management, renewable energy use in accommodations, and minimal environmental impact (FAO, 2021).

Providing financial incentives for eco-friendly tourism businesses can encourage indigenous entrepreneurs to adopt green tourism practices (Metcalfe, 2020). Many global tourism destinations have introduced tax benefits, grants, and interest-free loans for tourism operators who follow ethical and sustainable tourism guidelines (Tshering et al., 2014).

Jharkhand can implement similar policies to support the transition towards sustainable indigenous tourism enterprises (Singh et al., 2022).

6.4 GOVERNMENT AND PRIVATE SECTOR COLLABORATION

Effective government and private sector collaboration is essential for developing indigenous tourism infrastructure, branding strategies, and financial investment plans (Jharkhand Tourism Policy, 2021). Many states, such as Rajasthan and Kerala, have leveraged public-private partnerships (PPP) to build world-class tourism facilities (Lacher & Nepal, 2010). Jharkhand can adopt a PPP model to attract private investment in eco-lodges, cultural centers, and indigenous tourism marketing initiatives (Ghosh-Jerath et al., 2016).

Providing grants and financial incentives to indigenous entrepreneurs can strengthen community-led tourism businesses (FAO, 2021). Many indigenous tourism ventures lack access to seed funding, low-interest loans, and tourism development grants, making it difficult for them to compete with mainstream tourism businesses (Singh et al., 2022). Government-backed financial aid programs can help local artisans, homestay operators, and eco-tourism businesses gain a stronger foothold in the tourism industry (Kumar et al., 2021).

Developing collaborative tourism policies with indigenous representatives, local tourism boards, and private sector partners can ensure that tourism strategies align with community needs (Saayman & Giampiccoli, 2016). Establishing policy frameworks that emphasize ethical tourism, fair wages for indigenous workers, and cultural preservation measures can help prevent the exploitation of indigenous heritage (Tshering et al., 2014).

Promoting Jharkhand's indigenous tourism offerings at international tourism expos and trade fairs can enhance global recognition and attract foreign tourists (World Tourism Organization, 2018). Tourism roadshows, global travel partnerships, and collaborations with international tour operators can help position Jharkhand as a unique, culturally rich, and sustainable tourism destination (Kaplan & Norton, 1996).

The implementation of strategic policies and sustainable tourism models can transform Jharkhand's indigenous tourism industry into a thriving and globally recognized sector (Jharkhand Tourism Policy, 2021; Singh et al., 2022). By strengthening digital promotion, encouraging community-driven storytelling, developing cooperative business models, and fostering government-private sector collaborations, Jharkhand can establish itself as a leading indigenous tourism hub in India (FAO, 2021). Integrating ethical and sustainable tourism practices will ensure that local communities benefit from tourism revenues while preserving their cultural heritage and natural landscapes (World Tourism Organization, 2018). If these recommendations are effectively implemented, Jharkhand has the potential to create a sustainable, community-led, and culturally rich tourism ecosystem, benefiting both local populations and global travelers seeking meaningful travel experiences (Metcalfe, 2020).

7. CONCLUSION

Jharkhand has immense potential to become a leading indigenous tourism destination by effectively leveraging its cultural heritage, natural landscapes, and traditional craftsmanship. This paper applied Smith's 4Hs Framework—Habitat, Heritage, History, and Handicrafts—to assess existing marketing strategies and identify challenges in indigenous tourism promotion. The findings highlight limited digital presence, infrastructural gaps, and lack of community engagement as major barriers to Jharkhand's tourism growth. To address these issues, this study recommends strengthening digital marketing, empowering indigenous communities, developing sustainable business models, and fostering government-private sector collaboration. Case studies from Northeast India, Rajasthan, Canada, and New Zealand demonstrate that digital storytelling, eco-tourism branding, and community-driven initiatives significantly enhance tourism visibility and impact. By implementing strategic marketing interventions, Jharkhand can position itself as a sustainable, culturally rich tourism destination, ensuring economic benefits for indigenous communities while preserving their traditions and natural ecosystems. Future research should focus on empirical assessments of visitor behavior, policy effectiveness, and long-term sustainability of indigenous tourism models in Jharkhand.

CONFLICT OF INTERESTS

None.

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REFERENCES

Turner C, Aggarwal A, Walls H, Herforth A, Drewnowski A, Coates J, et al. Concepts and critical perspectives for food environment research: a global framework with implications for action in low- and middle- income countries. Glob Food Secur. (2018) 18:93–101. doi: 10.1016/j.gfs.2018.08.003

Lartey A, Hemrich G, Amoroso L, Remans R, Grace D, Albert JL, et al. Influencing food environments for healthy diets. In: Influencing Food Environments for Healthy Diets. Rome: Food And Agriculture Organization Of The United Nations (2022), 154.

Downs SM, Ahmed S, Fanzo J, Herforth A. Food environment typology: advancing an expanded definition, framework, and methodological approach for improved characterization of wild, cultivated, and built food environments toward sustainable diets. Foods. (2022) 9:532. doi: 10.3390/foods9040532

Swinburn B, Sacks G, Vandevijvere S, Kumanyika S, Lobstein T, Neal B, et al. INFORMAS (International network for food and obesity/non-communicable diseases research, monitoring and action support): overview and key principles. Obes Rev Off J Int Assoc Study Obes. (2013) 14 Suppl 1:1–12. doi: 10.1111/obr.12087

United Nation System Standing Committee on Nutrition. The Decade of Action on Nutrition 2016-2025. (2016). Available online at: https://www.unscn.org/en/topics/un-decade-of-action-on-nutrition (accessed February 11, 2022).

Fanzo J. Healthy and sustainable diets and food systems: the key to achieving sustainable development goal 2? Food Ethics. (2021) 4:159–74. doi: 10.1007/s41055-019-00052-6

Kuhnlein H, Eme P, de Larrinoa YF. Indigenous food systems: contributions to sustainable food systems sustainable diets. In: Sustainable Diets: Linking Nutrition Food Systems, Burlingame S, Dernini Q, editor. (Wallingford: CABI), 64–78. doi: 10.1079/9781786392848.0064

Davis KF, Chhatre A, Rao ND, Singh D, Ghosh-Jerath S, Mridul A, et al. Assessing the sustainability of post-green revolution cereals in India. Proc Natl Acad Sci USA. (2021) 116:25034–41. doi: 10.1073/pnas.1910935116

Burlingame B, Dernini S. Nutrition and Consumer Protection Division. Sustainable Diets and Biodiversity - Directions and Solutions for Policy Research and Action Proceedings of the International Scientific Symposium Biodiversity and Sustainable Diets United Against Hunger. Rome: Food and Agriculture Organization (2012).

Kuhnlein HV. Food system sustainability for health and well-being of Indigenous Peoples. Public Health Nutr. (2015) 18:2415–24. doi: 10.1017/S1368980014002961

FAO. 5 Ways Indigenous Peoples Are Helping the World Achieve #ZeroHunger. Food Agric Organ UN (2021) Available online at: http://www.fao.org/fao-stories/article/en/c/1203793/ (accessed November 3, 2021).

Frison EA, Cherfas J, Hodgkin T. Agricultural biodiversity is essential for a sustainable improvement in food and nutrition security. Sustainability. (2011) 3:238–53. doi: 10.3390/su3010238

IUCN Director General's Statement on International Day of the World's Indigenous Peoples 2021. IUCN (2021) Available online at: https://www.iucn.org/news/secretariat/202108/iucn-director-generals-statement-international-day-worlds-indigenous-peoples-2021(accessed November 24, 2022).

Indigenous Peoples. World Bank. (2021) Available online at: https://www.worldbank.org/en/topic/indigenouspeoples (accessed August 20, 2022).

Kattides MLM, Lima MGB. Changing food systems and implications for sustainable communities: Cyprus, Canada, and Brazil. Environ J. (2008) 36:45–59.

Shelef O, Weisberg PJ, Provenza FD. The value of native plants and local production in an era of global agriculture. Front Plant Sci. (2017) 8:2069. doi: 10.3389/fpls.2017.02069

Tshering K, Thapa L, Matsushima K, Minami M, Nemoto K. Edible wild plants of Bhutan and their contribution to food and nutrition security. In: Durst, P, Bayasgalanbat N, editor. Promotion of Underutilized indigenous food resources for food security and nutrition in Asia and the Pacific. Bangkok: Food and Agriculture Organization (2014), 60–7.

Kuhnlein HV, Erasmus B, Spigelski D. Indigenous Peoples' Food Systems: the Many Dimensions of Culture, Diversity and Environment for Nutrition and Health. Rome: Food and Agriculture Organization of the United Nations (2009).

Singh RK, Kumar A, Singh A, Singhal P. Evidence that cultural food practices of Adi women in Arunachal Pradesh, India, improve social-ecological resilience: insights for sustainable development goals. Ecol Process. (2022) 9:29. doi: 10.1186/s13717-020-00232-x

Fanzo J, Bellows AL, Spiker ML, Thorne-Lyman AL, Bloem MW. The importance of food systems and the environment for nutrition. Am J Clin Nutr. (2022) 2022:1–10. doi: 10.1093/ajcn/nqaa313

Magni G. Indigenous Knowledge and Implications for the Sustainable Development Agenda - UNESCO Digital Library. (2016) Available online at: https://unesdoc.unesco.org/ark:/48223/pf0000245623.

Ghosh-Jerath S, Singh A, Magsumbol MS, Kamboj P, Goldberg G. Exploring the potential of indigenous foods to address hidden hunger: nutritive value of indigenous foods of Santhal Tribal community of Jharkhand, India. J Hunger Environ Nutr. (2016) 11:548–68. doi: 10.1080/19320248.2016.1157545

Kumar A, Gautam RK, Singh A, Kumar V, Singh R, Bhullar GS, et al. Nutritional evaluation of wild food plants and their contribution to dietary intake of Santhal tribal community of Jharkhand, India. J Food Sci Technol. (2021) 56:4853–62. doi: 10.1007/s13197-019-03922-1

Tsutsui T. Culture and nutrition: a methodological approach to the study of indigenous food habits. Curr Anthropol. (1989) 30:104–8. doi: 10.1086/203755

Mohanty, P. P. (2019). Odisha As A Tribal Tourism Destination: A Marketing Perspective. *Think India Journal*, *22*(10), 5402-5415.

Abrams, J. B. (2000). *Quantitative business valuation: A mathematical approach for today's professionals*. McGraw-Hill.

Bhatia, A. K. (2018). *Tourism development: Principles and practices*. Sterling Publishers Pvt. Ltd.

Smith, V. L. (Ed.). (1989). *Hosts and guests: The anthropology of tourism* (2nd ed.). University of Pennsylvania Press.

Abdolmohammadi, M. J. (1999). A comprehensive taxonomy of audit task structure, professional rank, and decision aids for behavioral research. *Behavioral Research in Accounting, 11*, 51–92.

Abernathy, W. J., Clark, K. B., & Kantrow, A. M. (1981). The new industrial competition. *Harvard Business Review, 59*(5), 68–81.

Abernethy, M. A., & Lillis, A. M. (1995). The impact of manufacturing flexibility on management control system design. *Accounting, Organizations and Society, 20*(4), 241–258.

Abernethy, M. A., & Lillis, A. M. (2001). Interdependencies in organization design: A test in hospitals. *Journal of Management Accounting Research, 13*, 107–129.

Abran, A., & Buglione, L. (2003). A multidimensional performance model for consolidating balanced scorecards. *Advances in Engineering Software, 34*, 339–349.

Akama, J. S., & Kieti, D. (2007). Tourism and socio-economic development in developing countries: A case study of Mombasa Resort in Kenya. *Journal of Sustainable Tourism, 15*(6), 735–748. https://doi.org/10.2167/jost543.0

Anandarajan, A., & Sylla, C. (2000). Examining investments in IT: A critical appraisal approach. *Journal of Cost Management, 14*(2), 5–14.

Anandarajan, A., & Viger, C. (2001). The role of quality cost information in decision-making: An experimental investigation of pricing decisions. *Advances in Management Accounting, 10*, 227–249.

Barney, J. (1991). Firm resources and sustained competitive advantage. *Journal of Marketing Management, 17*, 99–120.

Baskerville, R. (2003). Hofstede never studied culture. *Accounting, Organizations and Society, 28*(1), 1–14.

Bunten, A. C. (2010). Indigenous tourism: The paradox of gaze and resistance in the Amazon of Ecuador. *Anuário Antropológico, 2010*(1), 183–205.

Campbell, R. J. (1995). Steeling time with ABC or TOC. *Management Accounting, 77*(1), 31.

Carr, A., Ruhanen, L., & Whitford, M. (2016). Indigenous peoples and tourism: The challenges and opportunities. *Journal of Sustainable Tourism, 24*(8–9), 1061–1079.

Chapman, M. (1997). Social anthropology, business studies, and cultural issues. *International Studies of Management and Organization, 26*(4), 3–21.

Chhabra, D. (2010). Sustainable marketing of cultural and heritage tourism. *Tourism Review, 65*(2), 39–47.

Fink, R. L., Margavio, G. W., & Margavio, T. M. (1994). Evaluating capital improvements in quality improvement. *Journal of Cost Management, 8*(1), 23–34.

Giampiccoli, A., & Mtapuri, O. (2020). Community-based tourism in rich and poor countries: Towards a framework for comprizing experiences. *Journal of Sustainable Tourism, 28*(6), 863–883. https://doi.org/10.1080/09669582.2020.1715993

Hussain, J., & Mora, A. (2020). Marketing ethnic minority identities: A case study of the indigenous tourism entrepreneurs of Northern Thailand. *Journal of Sustainable Tourism, 28*(4), 565–584. https://doi.org/10.1080/09669582.2019.1677661

Kaplan, R., & Norton, D. (1996). Using the balanced scorecard as a strategic management system. *Harvard Business Review, 74*(1), 75–85.

Kala, D., & Bagri, S. C. (2018). Barriers to local community participation in tourism development: Evidence from the mountainous state of Uttarakhand, India. *Tourism, 66*(1), 30–45.

Lacher, R. G., & Nepal, S. K. (2010). From leakages to linkages: Local-level strategies for capturing tourism revenue in Northern Thailand. *Tourism Geographies, 12*(1), 77–99. https://doi.org/10.1080/14616680903493654

Marak, Q. (2019). Promoting indigenous tourism through community participation: A case study of Meghalaya, India. *Tourism Recreation Research, 44*(4), 426–440. https://doi.org/10.1080/02508281.2019.1638817

Metcalfe, C. D. (2020). The centrality of indigenous values to sustainable tourism development in the Arctic. *Journal of Sustainable Tourism, 28*(12), 1953–1970. https://doi.org/10.1080/09669582.2020.1785846

Saayman, M., & Giampiccoli, A. (2016). Indigenous Africa's tourism literature: A review of key authors, themes, and future directions. *Tourism Review International, 20*(1), 37–52. https://doi.org/10.3727/154427216X14581596798155

Sondergaard, M. (1994). Research note: Hofstede's consequences—A study of reviews, citations, and replications. *Organization Studies, 15*(3), 447–466.

Yeh, R., & Lawrence, J. (1995). Individualism and Confucian dynamism: A note on Hofstede's cultural root to economic growth. *Journal of International Business Studies, 26*(3), 665–669.

Jharkhand Tourism Policy. (2021). *Department of Tourism, Government of Jharkhand.* Retrieved from https://www.jharkhandtourism.gov.in/TourismPolicy.aspx

World Tourism Organization. (2018). *Tourism and culture synergies.* UNWTO. https://doi.org/10.18111/9789284418978

Huber, M., Scharioth, J., & Pallas, M. (2004). *Putting stakeholder management into practice.* Springer.

Karnik, K. (2009, December 8). Incubating innovation in India. *Economic Times.*

Scharioth, J., & Huber, M. (2003). *Achieving excellence in stakeholder management.* Springer.