Tourism Development and its Impacts in Shaheed Dweep of Andaman and Nicobar Islands: An Understanding from the Host Community Perceptions

Seemanta Kumar Deka* and Rashmi Baruah†

Abstract
Tourism has both positive and negative impact on the host community. This paper tries to find out the perceptions of the host community towards tourism development and its impacts in Shaheed Dweep of Andaman and Nicobar Islands. A simple random household survey was conducted among 353 respondents of Shaheed Dweep to know about perceptions on two factors of impact: (i) Costs of Tourism Development and (ii) Benefits from tourism Development. An exploratory factor analysis (EFA) was applied for it. The findings reveal that tourism development has created lots of employment opportunities as one of the positive impacts but on the other side as a negative impact, it found that due to the seasonal nature it is creating more part-time job than full-time among the host community.

Keywords: Host community, Tourism Development, Impacts, Perceptions, Shaheed Dweep, Andaman and Nicobar Islands

1. Introduction

“Tourism development” means tourism that takes full account of its current and future economic, social and environmental impacts,

* Department of BBA(Tourism), JNRM, Port Blair, Andaman & Nicobar Islands, India; dekasimanta@gmail.com
† Department of Business Administration, USTM, Meghalaya, India; rashmichangkakoty@gmail.com
addressing the needs of visitors, the industry, the environment and host communities (UNWTO, 2005). The term “host community” in tourism can be defined as people who live in the vicinity of the tourist attraction and are either directly or indirectly involved with, and/or affected by the tourism activities (Smith, 2001). The Host community perception can be referred to as “attitudes” (Lindberg & Johnson, 1997). Tourism Development creates economic, socio-cultural and environmental changes in the host community’s life. Some changes are more beneficial than others (Lee, 2013). The host community are one of the important stakeholders of tourism development. Tourism development will be more successful with the involvement of the host communities as their perception and attitudes are important for the decision-makers to achieve sustainable tourism (Eshliki & Kaboudi, 2012). Host communities’ perceptions of the cost and benefits of tourism are the major factor in tourist satisfaction and are important for the success of the tourism industry (Andriotis & Vaughan, 2003). The role of destinations uniqueness is also very important in shaping communities attitudes towards impacts and support for tourism development (Gursoy & Rutherford, 2004). The positive perceptions of the host community are very important to the success of tourism planning and developmental projects (Ap, 1992). The tourism development research should consider the roles of perceived benefit on tourism planning and development (Jafari, 2001). There is an importance of host community involvement in the planning and management of tourism for its sustainable development (Cater, 1994). The host community participation in tourism developmental projects and decision-making must be encouraged and it should not remain confined only to the dominion of the government (Wilson et al. 2001). For the overall tourism development, all the members of the host community in tourist destinations must be encouraged or involved in the tourism development planning projects rather than a small part of the communities who are directly involved in it (Garrod, 2003). Hence, this paper tries to look into the different perceptions of the host community on the impacts of tourism development in Shaheed Dweep of Andaman and Nicobar Islands.
2. Research Site

Port Blair is the capital city of the Andaman and Nicobar Islands. It consists of 826 islands, out of which only 38 islands are inhabited by people. This island is a paradise for tourists. It is the islands of green paradise on the blue surface ((Rajavel, 1998). Tourism in islands is very sensitive. The environment is fragile and could be easily disturbed and damaged. Proper environmental planning is a prerequisite for the development of tourism in the islands (Shelly, 1991). Tourism and fishing are the major industries of the islands. However, as per government policies, tourism is mainly concentrated in Andaman’s group of islands and is restricted in the Nicobar group of islands. Shaheed Dweep is formerly known as Neil. Aquatic activities and Eco-friendly resorts have an equal degree of influence on tourism development in Shaheed Dweep of Andaman and Nicobar Islands (Deka & Baruah, 2021). The beach resorts play a very important role in the development of tourism in the Andaman and Nicobar Islands. The “trained staff” of the resorts contributed a lot to the tourism development and resort business in the islands (Deka & Baruah, 2021).

Figure 1: Map of Shaheed Dweep (Neil Island)

Source: https://www.indiamike.com/india-images/pictures/Neil
Table 1: Numbers of Resorts in Shaheed Dweep (Both Government and Private)

| Shaheed Dweep | Resorts | Total no. Resorts |
|---------------|---------|------------------|
| Government    | 01      | 34               |
| Private       | 34      | 35               |

Source: Directorate of Tourism, Andaman & Nicobar Administration

Table 2: Tourist attractions in Shaheed Dweep

| Sl.No | Tourist Attractions | Uniqueness/ Tourist Activities                          |
|-------|---------------------|--------------------------------------------------------|
| 01    | Bharatpur Beach     | White sandy beaches with water adventure sports.        |
| 02    | Sitapur Beach       | White sandy beaches with a sunrise point.               |
| 03    | Laxmanpur-1         | White sandy beaches with scenic views.                  |
| 04    | Laxmanpur-2         | Natural Bridge                                         |

Source: Field Survey

3. Literature Review

The research on host community perceptions on the impacts from tourism development is increasing due to the relationship between community support and government future tourism developmental projects (Angelkova et al., 2012). The relationship between the resident perceptions and tourism impacts could be seen in four stages and described as “embracement, tolerance,
adjustment and finally withdrawal. Embracement takes place when the host community are benefitted from tourism; they accept it and feel positive about it. In the tolerance stage, the host community begin to feel the impacts of tourism and involvements occur in the tourism development. Depending on the degree of their involvement in tourism, some of them adjusted with the change as per the adjustment stage while others do not. Finally, withdrawal takes place when the host community no longer can cope up with the impacts of tourism and a negative perception prevails among them (Ap & Crampton, 1993). The host community must have an active say on what kind of tourism should be developed or not and be free enough to reject any kind of tourism if it is not fit to their lifestyle and culture (Richard & Hall, 2000). A strong positive and vibrant relationship always exists between tourism development and the positive perceptions of the host community (Nzama, 2008). In making tourism business successful the positive attitude of the host community is necessary along with the better quality of environment and product and services (Murphy, 2006). The host community will show a positive response even though if they are not benefitted economically from tourism but benefit socially and culturally. (Conlin & Baum, 1996; Tosun, 2002; Nunkoo & Gursoy, 2011; Andereck & Nyaupane, 2011). The perception of the host community is the most accurate factor to evaluate the current situation of a tourist destination (Cottrell & Vaske, 2006). The host community perceptions on the impact of tourism development varied based on their perception of the benefit generated from the development (Dyer, Aberdeen & Schuler, 2007). Tourism development brings benefits to the host community The tourists increasingly expect tourist’s accommodation which must be presented in the local style so that it delivers a feeling of local flavours (Kamra & Chand, 2010). Sustainability and performance are the two main aspects of tourism development. The destinations’ governance and strategic planning must be oriented towards reinforcing high-quality resources and offers to attain the destinations’ competitiveness and sustainability (Diaz & Rodriguez, 2016). Tourism gives impetus to national income. It constitutes a demand for services and consumer goods that stimulates the production sectors bringing with it an automatic increase in national consumption and has a chain reaction effect on
the entire national economy. The tourism industry is not based on
dead idealism; it is a dynamic field, which covers the involvement of
land, labour, capital, organisation including public finance (Lodha
& Raina, 2004). Tourism has a multiplier effect on the economy in a
tourist destination besides employment and income generation at
the same time. In a tourist destination with the help of tourism a
significant improvement can be made in the income and standard
living of the host community (Mathur, 2007). Eco-tourism should
be given priority in tourism sectors especially in areas like the
Himalayas, North Eastern Region, Andaman and Nicobar Islands
and Lakshadweep Islands. Tour operators must be encouraged to
promote eco-tourism packages and the local community must be
motivated to participate in this endeavour. Education and training
programmes must initiate by the local government authority to
tour guides and the local community (Misra & Sadual, 2008).

Natural resources like Coastal resorts, wildlife, rain forests, and
Good weather conditions are a mixture of environmental features
that attract a tourist to particular tourist destinations (Narasaiah,
2006). In modern-day tourism, the social, environmental, cultural
and ecological aspects have due weightage in the process of
tourism development (Negi, 1990). The host community are more
positive when they have benefited from the development of
tourism (Wall, 1996). The tourism industry described ‘tourist
destination’ as a composition of both site and event attraction
which acts as a pull force to draw a tourist to a particular tourist
destination. The site attraction includes (national parks, wildlife
sanctuary, beach, mountains, rivers etc.), cultural (area of
archaeological interest, historical buildings and monuments, places
of historical significance, museums), tradition (national festival,
arts and handicrafts, native life and customs) along with other
attractions like the climate of the destinations itself a unique
attraction not available elsewhere”. However, destinations’
attractiveness could be diminished by violence, political instability
and natural destruction and overcrowding along with
inappropriate infrastructure (Armstrong & Kotler, 1997) The
key issues and problems of Islands tourism are sustainable tourism,
global tourism and the impact of tourism in the islands. (Gupta &
Bansal, 1998). The demand pattern of tourism varies from market to
market. It keeps on changing over a comparatively shorter period
based on the prevailing socio-economic, environmental and political situations in the tourist destination and the tourist market (Punia, 1997). Tourism is a highly labour-intensive service industry; it creates a wide range of jobs from unskilled to highly specialised positions. The positive impact of tourism is that it creates employment in the remote regions of developing countries where there are abundant tourist attractions (Nigam, 2002). A tourism product is something that satisfies the tourist’s needs. Various travel motivators give shape to different tourism products. It includes festivals, wildlife, beaches, yoga, spas, adventure sports, conventions and conferences, shopping, purchase of souvenirs etc. Accessibility, amenities and facilities for tourists, climate, accommodation, architectural resources etc will also influence customers’ purchasing decisions. Tourism products comprise natural beauty, infrastructural facilities, cultural attractions etc. Jacob et al., 2007). The tourist is the consumers who avail the facilities and services of the tourism industry and by accessing their behaviours in terms of expectations and demand it could be possible to evolve a strategic plan for the promotion of tourism in an area (Bhattacharyya, 2004). The tourist destination is the target area that tourist visit. It is the core component of tourists’ holiday experiences ranging from urban tourism destinations holiday experiences to rural or wilderness experiences. The tourist destination is made of different groups referred to stakeholders such as the host community, the tourism industry, the public sectors, the tourist and another group (Page et al., 2001). There is a great need to recognise and understand the community-based traditions of sustainability concerning tourism development in a tourist destination (Saarinen, 2006). Environmental and planning theories deals with tourism development include natural and manmade. Proper planning is required to maintain a balance between the natural and manmade environment in tourist destinations (Nickerson, 1996). Natural attractions are not sufficient to attract a tourist to a particular tourist destination. With the natural attraction, manmade tourist facilities and services are to add further to attract the tourist (Ratti, 2007). Infrastructure plays a greater role in the development of tourism in a tourist destination. Hence, the government should give due importance to it (Chauhan & Khanna, 2007). The assessment of tourist demand based on their
perceptions is required for tourism development in a destination. It helps in understanding and accessing the requirement for transportation, accommodation and another tourist facility (Kamra, 2001). Tourism developments catalyse economic, socio-cultural and environmental changes in the life of the host community of a tourist destination. Therefore, host community participation is a must for the sustainable development of tourism (Stylidis et al., 2014). The host community support is necessary for the successful operation and sustainability of tourism. The host community are the main stakeholder in leisure and tourism management (Choi & Sirakaya 2005). There are positive and negative impacts of tourism development on the host community. Through tourism development, economic and social growth can be achieved by the under-developed countries, but also it sometimes disrupts the society’s moral values (Perez & Nadal 2005). There is an important relationship between economic gain and the support of the host community. The host community will be more supportive of tourism development for its economic gain (Hamil, 2004). The host community perceptions towards tourism impact can also be divided into positive and negative. (Arefat al., 2009). There are three types of impact that can be seen in tourist destinations from tourism development. This impact affects the host community economically, socially and environmentally. The economic impact can be seen through employment and income generation, the social impact can be seen through the revival of traditional craft and ceremonies, increased intercultural communication and understanding and environmental impact include protection of parks and wildlife, natural vegetation and many more (Andereck et al., 2005). In developing countries’ tourism development has become an important tool of economic development through employment generation, foreign exchange earnings for the host community. It can be argued that in the process of tourism development the traditional lifestyles and ethnic values of the host communities can only be preserved and conserved when they are actively involved in it (Mitchell & Reid, 2001). For the sustainable development of tourism, the host community participation must be encouraged in the planning and management process of tourism (Small & Edwards 2005). In developing countries, the participation of the host community in the decision-making process of tourism
development is limited and insignificant. Their participation is often being neglected or overlooked by the policymakers of the tourism industry (Dola & Mijan, 2006). The host community motivation can be attained for tourism development only when they are being encouraged to take participate in the decision-making process (Li, 2006). In making tourism business successful the positive attitude of the host community is necessary along with the better quality of environment and product and services (Murphy, 2006). The attitudes of the host communities related to the development of tourism improve by the cordial relationships between the host and the tourist (Zhang et al. 2006). In developing countries tourism development has become an important tool of economic development through employment generation, foreign exchange earnings for the host community. It can be argued that tourism development brings economic prosperity along with social well-being and stability to the host community (Weaver & Opperman, 2000). The importance of the involvement of the host community in the development planning process of tourism and more studies regarding the community’s participation in different aspects must be undertaken (Teye et al. 2002). For sustainable tourism development host community participation and support is a must. According to the author, it is the host community that understands better than others that how a destination adapts to change for their betterment (Page, 2007). The positive impact of interactions between the host community and tourism activities in terms of employment and income generation, societal peace, improve quality of life and integration of different cultures. Tourism offers opportunities to host communities to make new friendships and expose them to the new world of fortune (Kumar et al. 2003). Host community participation is very important for tourism development, if it is not there then there is every chance of growth of hostility between the tourism promoters, tourists and the host community (Nyaupane et al. 2006). To minimise the possible negative impact of tourism development and maximise its benefits, understanding the perspectives of the host community helps a lot particularly in developing countries (Gursoy et al., 2010).
4. Methodology

A simple random household survey was being conducted during November – December 2020 to find out the host community perceptions towards impacts from tourism development in Shaheed Dweep of Andaman and Nicobar Islands. The questionnaire explored the impacts of tourism development on the host community in two ways - (i) Cost of Tourism Development and (ii) Benefits of Tourism Development (economic, socio-cultural and environmental). Respondents were given 19 questions on tourism impacts based on 5 points Likert scale where “1” represented “strongly disagree” and “5” represented “strongly agree”. The sample size for the simple random household survey was decided using Yamane(1967) equation as follows:

\[
N = \frac{n}{1 + Ne^2}
\]

Where “n” is the sample size, “N” is the population of Shaheed Dweep which is 3040 (Census Report, 2011) and “e” is the acceptable sampling error taken as 0.05. Based on the above equation the sample size obtained was 353 respondents. The respondents were mostly in the age group between 18 to 65 years of age who are directly or indirectly affected by the tourism development. An almost equal share of the male-female ratio is maintained in the selection of the respondents.

| SI.No | Variables | Number | Percentage |
|-------|-----------|--------|------------|
| 01    | Gender    |        |            |
|       | Male      | 180    | 50.99      |
|       | Female    | 173    | 49.00      |
| 02    | Age       |        |            |
|       | 18-25     | 45     | 12.74      |
|       | 26-40     | 159    | 45.04      |
|       | 41-65     | 133    | 37.67      |
| Qualification | Above 65 | 04.53 |
|---------------|---------|-------|
| Below Graduate | 73      | 20.67 |
| Graduate      | 190     | 53.82 |
| Post Graduate | 67      | 18.98 |
| Above Post Graduate | 23 | 06.51 |

| Occupations         | Government Service | 18.41 |
|---------------------|--------------------|-------|
| House-wife          | 41                 | 11.61 |
| Resort employee     | 50                 | 14.16 |
| Tour Guide          | 25                 | 07.08 |
| Tour Operator       | 29                 | 08.21 |
| Boat Operator       | 23                 | 06.51 |
| Transport Operator  | 28                 | 07.93 |
| Street Vendors      | 31                 | 08.78 |
| Souvenir Shopkeepers| 29                 | 08.21 |
| Adventure operators | 22                 | 06.23 |
| Others              | 10                 | 02.83 |

**Source:** Compiled by the author
Table 4: Impacts from Tourism Development

| Positive                                      | Negative                                      |
|----------------------------------------------|-----------------------------------------------|
| **Economic**                                 | **Localised inflation**                      |
| Employment creation Increased in expenditure & investment | Seasonal Business                            |
| Improved standard of living time than full-time job | Create more part-time jobs                    |
| Increased foreign exchange earnings, Local infrastructural facilities | Business becomes highly competitive          |
|                                              |                                               |
| **Socio-cultural**                           | **Potential increased in crime, drug use**    |
| Strengthening traditional & cultural values  | Potential increased in prostitution          |
| An Improvement in social services            | Modification of local culture                 |
|                                              |                                               |
| **Environmental**                            | **Overcrowding**                              |
| Conservation of natural resources            | Pollution                                     |
| Increased awareness                          | Changed feeding and breeding habits of wildlife|
|                                              | The general spread of garbage and litter      |
|                                              | Trampling of plants and reduction in local biodiversity |

Source: (Mathiesen & Wall, 1982). (Lea, 1988). (Murphy, 1983), (Pearce, 1989). (Hall, 2001).

5. Discussions

The 19 items of the economic, social, and environmental impacts of tourism development were subjected to an exploratory factor analysis (EFA) using principal component analysis. The factor analysis (table: 3 & 4) was carried out to identify the respondents’ perception on impacts from tourism development in Shaheed...
Dweep of Andaman and Nicobar Islands. The suitability of data for factor analysis was assessed through reliability analysis.

**Table 5:** Factor analysis on Cost of Tourism Development (n=353)

| Factor | Items                                                                                                                                                                                                 | Factor Loading | Mean | Std Deviation |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------|---------------|
|        | Tourism development increased the price of local goods and services for the host community.                                                                                                        | .573           | 4.01 | 1.11          |
|        | Tourism development creates more part-time jobs than full-time jobs due to the seasonal nature of the tourism business for the host community.                                                       | .475           | 4.10 | 0.99          |
|        | Tourism development has increased migration from the mainland to the islands.                                                                                                                         | .821           | 4.06 | 1.07          |
|        | Tourism development increases crime, drug use prostitution in the islands.                                                                                                                          | .635           | 3.78 | 1.24          |
|        | Tourism development has created modification and over-commercialisation of local culture and traditions.                                                                                           | .474           | 3.93 | 1.03          |
|        | Tourism development creates pollution in the islands.                                                                                                                                               | .556           | 3.95 | 1.22          |
Tourism development produces a large number of waste products.

Tourism development has changed the islands natural landscape through the construction of artificial tourism infrastructural facilities.

| Factor | Items                                                                 | Factor Loading | Mean | Std Deviation |
|--------|-----------------------------------------------------------------------|----------------|------|---------------|
|        | Tourism development creates employment opportunities for the host community. | .612           | 4.00 | 0.96          |
|        | Tourist development has increased the standard of living due to tourist spending on the host community. | .545           | 3.91 | 1.21          |
|        | Tourism development provides opportunities for local businesses to        | .573           | 3.57 | 1.05          |

**Source:** Compiled by the author

**Table 6:** Factor analysis on Benefits from Tourism of Tourism Development (n=353)
| Benefits from Tourism Development | Tourism Development Helps in Bringing New Investment to the Islands | 0.586 | 3.72 | 1.14 |
|-----------------------------------|---------------------------------------------------------------|------|------|------|
|                                   | Tourism Development Resulted in the Creation of More Local Infrastructural Facilities for the Host Community | 0.634 | 3.64 | 1.28 |
|                                   | Tourism Development Has Resulted in More Recreational Facilities for the Host Community | 0.684 | 3.65 | 1.29 |
|                                   | Tourism Development Created a Sense of Pride for the Host Community by Exchanging Local Cultural and Traditional Values with the Tourist | 0.446 | 3.86 | 1.20 |
|                                   | Tourism Development Provides More Opportunities for Cultural Activities to the Host Community | 0.756 | 3.48 | 1.18 |
|                                   | Tourism Development Has Improved the Facilities of Tourist Spots | 0.582 | 3.61 | 1.24 |
|                                   | Tourism Development Helps in the Conservation of Natural Resources as Tourism Attractions | 0.486 | 3.78 | 1.29 |
|                                   | Tourism Development | 0.496 | 3.14 | 1.11 |
Tourism development has increased the environmental awareness among the host community.

| Eigenvalues | 3.52 |
| % of variance | 30.28 |
| Cumulative variance (%) | 53.90 |
| Cronbach’s alpha | 0.84 |

**Source:** Compiled by the author

The Barlett’s Test of Sphericity shows statistical significance with the Kaiser-Meyer-Olkin value of 0.75 and 0.69 exceeding the recommended value of 0.6 (Hair et al.,1995) which means the items can be subjected for further exploration to identify underlying factors that may exist. Reliability analysis (Cronbach’s alpha) was calculated to test the reliability and internal consistency of each factor and a cut-off point of 0.4 was used to include items in the interpretation of a factor (table: 5 & 6). The results showed the alpha coefficient for all two factors ranged from 0.81 to 0.84. The value is acceptable as it is above the minimum value of 0.50 indicated for reliability for basic research (Nunnally, 1967).

It has been observed from Table: 5 regarding factor 1: (Costs of Tourism Development) in Shaheed Dweep of Andaman and Nicobar Islands it has been seen that Tourism Development has created more part-time jobs than full-time jobs due to the seasonal nature of tourism business for the host community (mean score=4.10) which is the highest than the other items of the factor: 1. It has also been seen that Tourism development has increased migration from the mainland to the islands (mean score=4.06) which need to be addressed with due concern by the tourism planners and the Govt. authority. Tourism development has changed the islands natural landscape through constructions of artificial tourism infrastructural facilities (mean score=4.05) which need to be seriously addressed for sustainable tourism development. Tourism development has increased in the price of local goods and services for the host community (mean score=4.01).
Tourism development creates pollution in the islands (mean score=3.95).

It has also been seen from Table: 6 regarding factor 2: (Benefits from Tourism Development) in Shaheed Dweep of Andaman and Nicobar Islands it has been seen that Tourism development creates employment opportunities for the host community (mean score=4.00). Due to which it has increased the standard of living due to tourist spending to the host community (mean score=3.91). Tourism development created a sense of pride for the host community by exchanging local cultural and traditional values with the tourist (mean score=3.86). Tourism development helps in the conservation of natural resources as tourist attractions in the islands (mean score=3.78). Tourism development helps in bringing new investment to the islands (mean score=3.72).

6. Conclusion & Scope for Further Research

This study establishes that though tourism is creating employment opportunities in the islands at the same time, the issue of the seasonal character of the tourism business is also being noticed affecting the full-time job benefits for the host community. These findings could be used to introduce necessary interventions for the policymakers while formulating the policies for the development of tourism throughout the year befitting the host populations. The study also revealed that tourism development has increased migration from the mainland which is a matter of concern for the different tourism stakeholders in maintaining the indigenous character of the islands. It is also found that tourism development has created a sense of pride for the host community by exchanging local cultural and traditional values with the tourist and being effective in bringing new investment to the islands. Future exploration could be done by including the host community to assess their scope of employment opportunities in diversified areas of the tourism industry in the islands. Research could also be taken up to look at the various investment opportunities for the host community in the tourism business.
References

Andereck, K. L., & Nyaupane, G. P. (2011). Exploring the nature of tourism and quality of life perceptions among residents. Journal of Travel Research, 50: 248-260.

Andereck, K., Valentine, K., Knopf, R., Vogt, C. (2005), “Residents’ perceptions of community tourism impacts”, Annals of Tourism Research, 32 (4), pp. 1056-1076.

Andriotis, K., & Vaughan. (2003), “Urban Residents’ Attitudes toward Tourism Development: The Case of Crete”, Journal of Travel Research, 42(2), pp. 172-185.

Angelkova, T., Koteski, C., Jakovlev, Z. & Mitrevska, E. (2012), “Sustainability and Competitiveness of Tourism”, Procedia – Social and Behavioral Sciences, 44, pp. 221-227

Ap, J. (1992), “Residents perceptions on tourism impacts”, Annals of Tourism Research, 19, pp. 665-690.

Ap, J., & Crompton, J. (1993). Residents’ strategies for responding to tourism impacts. Journal of Travel Research, 32(1): 47-50.

Aref, F., Redzuan M., & Gill, S.S. (2009). Community Perceptions towards Economic and Environmental Impacts of Tourism on Local Communities. Asian Social Science, 5(7): 130-137.

Armstrong, G., & Kotler, P. (1997). Principles of Marketing, New Delhi, Prentice Hall of India.

Bhattacharya, P. (2004). Tourism in Assam – Trends and Potentialities, Guwahati, Bani Mandir.

Cater, E. (1994), Ecotourism in the Third World: Problems and Prospects for Sustainability, London: John Wiley & Sons.

Chauhan, V. & Khanna, S. (2007). Tourism Infrastructure Vis-à-vis Tourist satisfaction. - A case study of Jammu and Kashmir, Chandigarh, Abishek Publications.

Choi, H. C., & Sirakaya, E. (2005), “Measuring residents” attitude toward sustainable tourism: development of sustainable
tourism attitude scale”, Journal of Travel Research, 43, pp. 380-394.

Conlin, M. V., & T. Baum. (1996). Island Tourism: Management Principles and Practice, John Wiley, New York.

Cottrell, S. P., & Vaske, J. J., (2006). A framework for monitoring and modelling sustainable tourism. E Review of Tourism Research, 4(4): 74-84.

Deka, S., & Baruah, R. (2021), “Tourism Development and Resort’s facilities and services in Swaraj and Shaheed Dweep of Andaman and Nicobar Islands: An exploratory study from Domestic Tourist perspectives”, International Journal of Multidisciplinary Educational Research, 10(2), pp. 112-119.

Deka, S., & Baruah, R. (2021), “Tourist perceptions on Natural factors in the Development of Tourism in Swaraj and Shaheed Dweep of Andaman and Nicobar Islands”, International Journal of All Research Education and Scientific Method, 9(1), pp. 1580-1587.

Diaz, M. R., & Rodriguez, T. E. (2016). Determining the Sustainability Factors and Performance of Tourism Destinations from the Stakeholders’ Perspective, Retrieved from: www.mdpi.com/journal/sustainability, 8,951; doi:10.3390/su8090951, Accessed the 25th of January 2021, at 20:40.

Dola, K., & Mijan, D. (2006), “Public Participation in Planning for Sustainable Development: Operational Questions and Issues”, International Journal on Sustainable Tropical Design Research & Practice, 1 (1), pp. 1-8.

Dyer, P., Aberdeen, L., & Schuler, S. (2007). Tourism impacts an Australian indigenous community. Tourism Management, 24: 83-95.

Eshliki, S. A., & Kaboudi, M. (2012), “Community Perception of Tourism Impacts and their Perception in Tourism Planning: A Case Study of Ramsar, Iran”, Procedia-Social and Behavioral Sciences, 36, pp. 333-341.
Garrod, B. (2003). “Local participation in the planning and management of ecotourism a revised model approach”, Journal of Ecotourism, 2(1), pp. 33-53.

Gupta, T., & Bansal, S. (1998). Tourism towards 21st century, New Delhi, Deep and Deep Publications.

Gursoy, D., Chi, C., & Dyer, P. (2010), “Locals' attitudes toward mass and alternative tourism: The case of Sunshine Coast, Australia”, Journal of Travel Research, 49 (3): pp. 381-394.

Gursoy D, Rutherford D. (2004), “Host attitudes toward tourism. An improved structural model”, Annals of Tourism Research.; 31(3), pp. 495-516.

Hair, J. F. J., Anderson, R. E., Tatham, R. L., & Black, W. C. (1995), Multivariate Data Analysis with Readings, NJ, Prentice Hall.

Hall, M. C. (2001). Trends in Ocean and Coastal Tourism: The End of the Last Frontier. Ocean and Coastal Management, 44(4): 601-618.

Harrill, R. (2004), “Residents’ Attitudes toward Tourism Development: A Literature Review with Implications for Tourism Planning”, Journal of Planning Literature, 18 (3), pp. 251-256.

Jacob, R., Joseph ,S. & Philip, A. (2007). Indian Tourism Product, Delhi, Abhijeet Publications.

Jafari, J., (2001), “The socio-economic costs of tourism to developing countries”. Annals of Tourism Research, 1(2), pp. 227-234.

Kamra, K. K. (2001). Managing Tourist Destination, New Delhi, Kanishka Publishers and Distributors.

Kamra, K. K.,& Chand, M. (2010). Basis of Tourism- Theory, Operation and Practices, Kanishka Publishers and Distributors, New Delhi

Kumar Das, D., V. Devadas., & Najjamuddinc. (2003), “Integrated Tourism Planning for Sustainable Development”, Pakistan Journal of applies sciences, 3(6), pp. 440-454.
Lea, J. (1988). Tourism and Development in the Third World, Routledge, London.

Lee TH. (2013), “Influence analysis of community resident support for sustainable tourism development”, Tourism Management, pp. 37-46.

Li, Y. (2006), “Exploring Community Tourism in China: the case of Nashan cultural tourism zone”, Journal of Sustainable Tourism 12(3), pp. 175-193.

Lindberg, K., & Johnson, R. (1997), “Modeling Resident Attitudes toward Tourism”, Annals of Tourism Research, 24(2), pp. 402-424.

Lodha, R. C., & Raina, A. K. (2004). Fundamentals of Tourism System, Kaniska Publishers, New Delhi.

Mathieson, A., & Wall, G. (1982). Tourism: Economic, Physical and Social Impacts, Longman. London.

Mathur, K. (2007). Sustainable Rural Tourism, Abhishek Publications, Chandigarh.

Mitchell, R. E., & Reid, D.G. (2001), “Community Integration: island tourism in Peru”, Annals of Tourism Research, 28(1), pp. 113-139.

Misra, S.R., & Kumar, S.S. (2008). Basics of Tourism Management, Excel Books, New Delhi.

Murphy, P. E., (1983), “Perceptions and attitudes of decision-making groups in tourism centres”, Journal of Travel Research, 21(1), pp. 8-12.

Murphy, Peter. E., & Murphy, Ann. E. (2006). Strategic Management for Tourism Communities –Bridging the Gaps. New Delhi, Viva Book Pvt. Ltd.

Narasaiah, L. (2006). Tourism and World Trade Organization, Discovery Publishing House, New Delhi.

Negi, J. (1990). Tourism Development and Resource Conservation, Gayatri Offset Press, Ghaziabad (UP).
Nickerson, N. (1996). Foundations of Tourism, New Delhi, Prentice Hall.

Nigam, N. (2002). Tourism Environment of Garhwal Himalaya, New Delhi, Mittal Publications.

Nunkoo, R., & Gursoy, D. (2011). Residents’ support for tourism: An identity perspective. Annals of Tourism Research, 39(1): 243-268.

Nunnally, J. (1967), Psychometric Theory, New York, McGraw-Hill.

Nyaupane, G. P., Morais, D.B., & Dowler, L. (2006). The role of community involvement and number/type of visitors on tourism impact: a controlled comparison of Annapurna, Nepal and Northwest Yunnan, China. Tourism Management.

Nzama, A. T. (2008). Socio-cultural Impacts of Tourism on the Rural Areas within the world heritage sites- the Case of KwaZulu-Natal, South Africa. South Asian Journal of Tourism and Heritage, 1(1), pp. 1-8.

Page, S. J., Brunt, P., Busby, G., & Connell, J. (2001). Tourism-A Modern Synthesis, London, Thomson Learning.

Page, S. (2007), Tourism Management: Managing for Change, 2nd ed. London: Elsevier.

Pearce, D. G. (1989). The tourist development, Longman, Harlow.

Perez, E. A., & Nadal, J. R. (2005),”Host community perceptions a cluster analysis. Annals of Tourism Research”, 32(4), pp. 925 - 941.

Punia, B. K. (1997). Tourism Management, New Delhi, Ashish Publishing House.

Rajavel, N. (1998), Tourism in Andaman and Nicobar Islands, New Delhi, Manas Publications.

Ratti, M. (2007). Tourism Planning and Development, New Delhi, Rajat Publications.

Richards, G., & Hall, D. (2000). Tourism and Sustainable Community Development. London: Routledge.
Saarinen, J. (2006). The tradition of Sustainability in Tourism Studies, Annals of Tourism Research, Vol-33.

Shelly, L. (1991), Tourism Development in India, Jaipur, Arihant Publishers.

Small, K. & Edwards. D. (2005), “A Flexible framework for evaluating the socio-cultural impacts of a small festival”. International Journal of Events, 1(1).

Smith, S. L. (2001), “Measuring the Economic Impact of Visitors to Sports Tournament and Special Events”, Annals of Tourism Research, 28(3), pp. 829-831.

Stylidis, D., Biran, A., Sit, J., & Szivas, E.M. (2014), “Residents' support for tourism development: The role of residents' place image and perceived tourism impacts”. Tourism Management 45, pp. 260-274.

Teye, E., Sirakaya, S., & Sonmez, S.F. (2002). Residents’attitudes toward tourism development. Annals of Tourism Research, 29(3), pp. 668-688.

Tosun, C. (2002): Host perceptions of impacts. Annals of Tourism Research, 29: 231- 253.

Wall, G. (1996). Perspectives on tourism in selected Balinese villages. Annals of Tourism Research, 23 (1): 123-138.

Weaver, D. B., & Oppermann, M. (2000). Tourism Management, Brisbane, Wiley.

Wilson, S., Fesenmaier, D. R., Fesenmaier, J., & Van, E.S. (2001), “Factors of success in rural tourism development”, Journal of Travel Research, 40(2), pp. 132-138.

Yamane, T. (1967), Statistics: An Introductory Analysis, 2nd ed., New York, Harper and Row.

Zhang, J., Inbakaran, R. J., & Jackson, M. (2006), “Understanding community attitudes towards tourism and host-guest interaction in the urban-rural border region”, Tourism Geographies, 8(2), pp. 182-204.