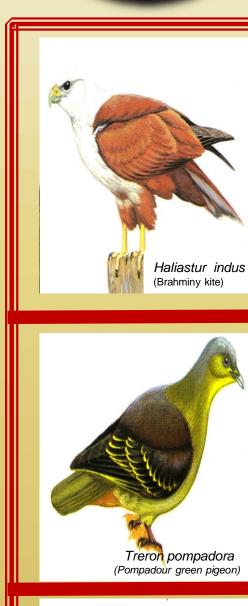


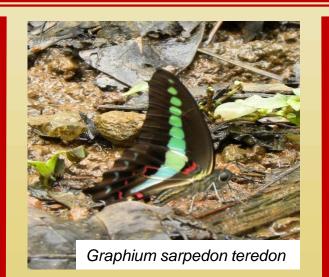
Diverse spectra of Sacred Grove Tradition











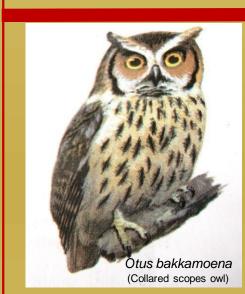


















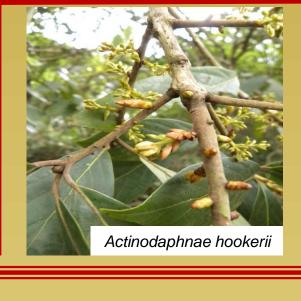


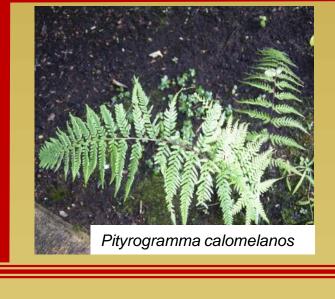




Sacred groves are well known for preserving local biodiversity. A good number of studies have reported the presence of unique floral and faunal assemblages along with rare and endemic members. The congenial microclimate, availability of food / nutrients and shelter are the major factors for making the groves suitable for a wide range of organisms which are not easily available in other areas.













Ecosystem Services are benefits provided by ecosystems that contribute to making human life both possible and worth living

Provisioning services

(Services focused on directly supplying food and non food products from grove)

Water conservation

There are few specific ecological features which help to trap moisture in the grove area. Deposition of fallen leaves and twigs, seedlings, saplings etc.) all in combination preserve moisture in the groves

Freshwater supply

to the community.









NTFP (Medicinal plants, fruits, fuel wood etc.) A wide range of non timber forest products have been reported from sacred groves. Although there are restrictions for biomass extraction NTFP collection is a common practice in many groves.











Regulating services

(services obtained from regulation of ecosystem processes)



Sacred grove in upstream area of the watershed

Groves have important roles in

- Hydrological flow regulation
- (eg. run off control, soil water infiltration, groundwater
- thus, influence the livelihood of the communities living in downstream area.

Mitigation of natural hazards

(eg. flood prevention, landslide reduction, soil erosion control and fire resistance),

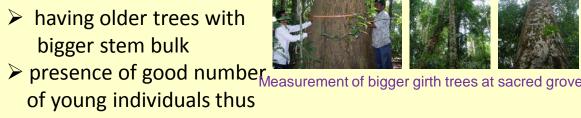
so to avoid damage to natural resources and human life.

Supporting services

(services provided to support habitats and ecosystem functioning)

Carbon sequestration

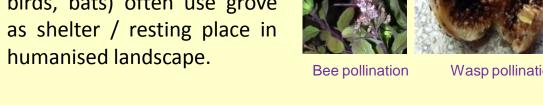
Carbon sequestration is the process of increasing the carbon content of a reservoir / pool other than the atmosphere. A well maintained grove has great potential in this regard due



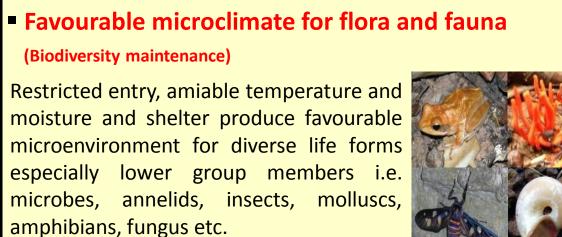
ensures future carbon storage

 Pollination and seed dispersal Natural pollinators like, ants, bees, butterflies, birds etc. and seed dispersers (eg. birds, bats) often use grove as shelter / resting place in





(Biodiversity maintenance) Restricted entry, amiable temperature and moisture and shelter produce favourable microenvironment for diverse life forms especially lower group members i.e. microbes, annelids, insects, molluscs, amphibians, fungus etc.



Cultural and Amenity services

(services related to recreation and human inspiration)

Religious, cultural tradition and ethnic identity Sacred groves at different places act as an identity for the local community. The deity worshiped, the festivals performed, the and followed are reflections of the beliefs community towards nature and supreme power.



Landscape aesthetics

Groves represent diverse ecosystems in different landscapes. They are often subjected to landscape aesthetics due to their species diversity and characteristic physical components.

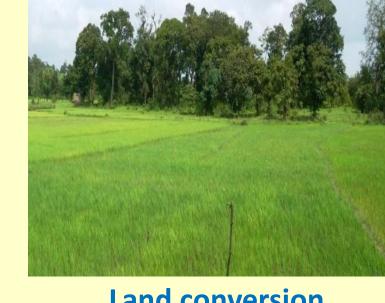


Research and education

Apart from their socio-religious importance, groves are the only bearers of original ecosystem of an area with characteristic species complex. Thus, their functional importance is always a subject of research and education.

Threats to sacred grove tradition



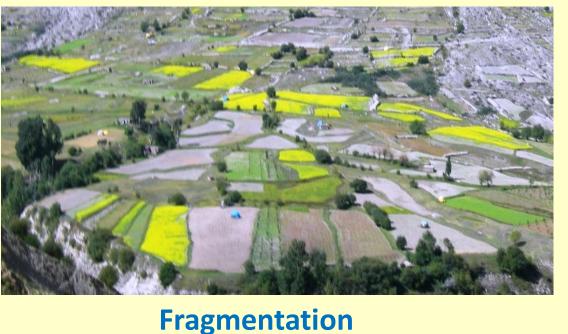




Deforestation

Land conversion

Invasive species





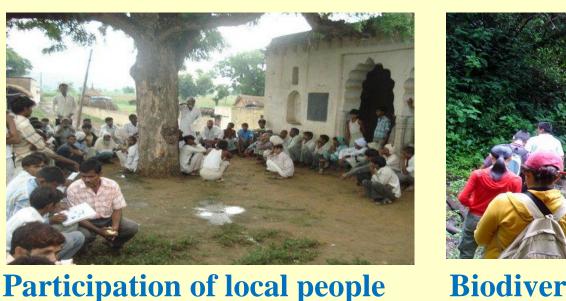


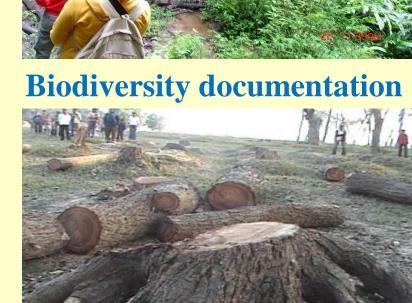
Land quarrying

Sanskritisation

Developmental activities

Conservation of Sacred Groves





Prevention of deforestation



Fencing the sacred groves

Awareness raising

MAJOR THREATS TO THE SACRED GROVES

- Large-scale deforestation
- Over-exploitation of natural resources
- Large-scale conversion of forest lands for agriculture
- Unplanned developmental activities Invasion of exotic weeds

Reforestation/plantations

CONSERVATION OF SACRED GROVES

- Strengthening the existing conservation activities Restoration of degraded sacred groves
- Landscape level approach
- Control the excessive exploitation of natural sources
- Formulate regulations for developmental activities in and around the groves

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