



Sonopant Dandekar Shikshan Mandali's

**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND
M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

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Department of Botany

NOTICE

World Mangrove Day

We are organised visit to Kharekuran Mangrove region, Palghar on the occasion of world Mangrove Day scheduled for 26th July 2019, at Kharekuran Palghar.

This Visit aims to broaden your perspectives and enhance your knowledge. All students are encouraged to attend this visit. Attendance will be noted, and participation is highly encouraged.

**Dr. Kiran Save
Principal**

**PRINCIPAL
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PALGHAR (W.R.)
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DEPARTMENT OF BOTANY

EVENT REPORT

- **Event:** Visit To Kharekuran Mangrove Region Palghar On The Occasion Of World Mangrove Day
 - **Venue:** Kharekuran Mangrove Region Palghar
 - **Date of Event:** 26th July 2019
- No. of participants:-32**

The Department of Botany celebrated World Mangrove Day by visiting Kharekuran Mangrove Region, Palghar along with 32 students of botany accompanied & guided by Asso. Prof. Bhagwan Jaiswal, Asst. Prof. Asmita Raut, Asst. Prof. Dakshata Patil, Asst. Prof. Dushyant Dhangade, Asst. Prof. Rudrakshi Raut, Asst. Prof. Rahul Ozare, Asst. Prof. Harshal Chaudhari And Asst. Prof. Tejas Chaudhari.

Objectives:

- To understand the ecological significance of mangrove ecosystems.
- To assess the biodiversity and ecosystem services provided by mangroves.
- To identify the threats and challenges facing mangrove forests.
- To explore conservation and management strategies for mangrove ecosystems.

Activities and Observations:

During the field visit, the following activities and observations were conducted:

- **Ecological Assessment:** We conducted transect walks through the mangrove forest, observing the different mangrove species present and their distribution patterns. We documented the flora and fauna found in the area, noting the diversity of plant and animal species.
- **Environmental Monitoring:** Water quality parameters such as salinity, temperature, pH, and dissolved oxygen levels were measured at various points within the mangrove ecosystem. Sediment composition and tidal patterns were also noted.
- **Community Engagement:** We interacted with local community members living near the mangrove forest to understand their dependence on mangrove resources and their perceptions of mangrove conservation.

- **Conservation Strategies:** Discussions were held on the importance of mangrove conservation and the various strategies that can be employed to protect and restore mangrove ecosystems. This included reforestation efforts, sustainable harvesting practices, and the establishment of protected areas.

Learning Outcome:

- **Understanding Ecosystem Dynamics:** Students gained a deep understanding of the complex interactions within mangrove ecosystems, including the relationships between mangrove plants, marine life, and coastal habitats. They learned about the unique adaptations of mangrove species to their saline and dynamic environment, such as pneumatophores and salt secretion mechanisms.
- **Ecological Significance:** Through direct observation and engagement with the ecosystem, students grasped the ecological significance of mangroves in coastal protection, biodiversity conservation, and carbon sequestration. They learned about the role of mangroves as nurseries for marine species and their contribution to shoreline stabilization and erosion control.
- **Identification of Species and Habitats:**
Students acquired practical skills in identifying mangrove species and recognizing different habitats within the mangrove ecosystem, including intertidal zones, mudflats, and tidal channels. They learned to differentiate between mangrove species based on morphological characteristics and ecological niches.
- **Environmental Monitoring Techniques:**
Students gained hands-on experience in conducting environmental monitoring, including measuring water quality parameters such as salinity, temperature, pH, and dissolved oxygen levels.
They learned about the importance of monitoring environmental variables in assessing the health of mangrove ecosystems and identifying potential threats.



Dr. Jayananda Tosh
HOD, Dept. of Botany

Glimpse of the visit:

1. Visit To Kharekuran Mangrove Region Palghar

