

# ENVIRONMENTAL INFORMATION SYSTEM (ENVIS)



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# Environmental Information (EI) Division

## Activities, Present Status and New Initiatives

### Introduction

- Environment Information System (ENVIS) Scheme established in 1983 as Plan Scheme for environmental information collection, collation, storage, retrieval and dissemination to policy planners, decision makers, scientists and environmentalists, researchers, academicians and other stakeholders.
- ENVIS consists of 76 ENVIS Centres, 30 ENVIS Centres are in State Government Departments dealing with the Status of Environment and related issues and 46 have been set up on thematic areas in reputed Organizations/ Institutions throughout the country.



## Objectives (Long-term)

- To build up a repository and dissemination centre in Environmental Science and Engineering;
- To gear up the modern technologies of acquisition, processing, storage, retrieval and dissemination of information of environmental nature; and
- To support and promote research, development and innovation in environmental information technology.

## (Short-term)

- To provide national environmental information service relevant to present needs and capable of development to meet the future needs of the users, originators, processors and disseminators of information;
- To promote, national and international cooperation and liason for exchange of environment related information; .
- To promote, support and assist education and personnel training programmes designed to enhance environmental information processing and utilization capabilities;
- To promote exchange of information amongst developing countries.



# ENVIS

Your gateway to the National ENVIS resources on the Internet. Enjoy your visit.

## Environmental Information System - ENVIS : India

Search this Site

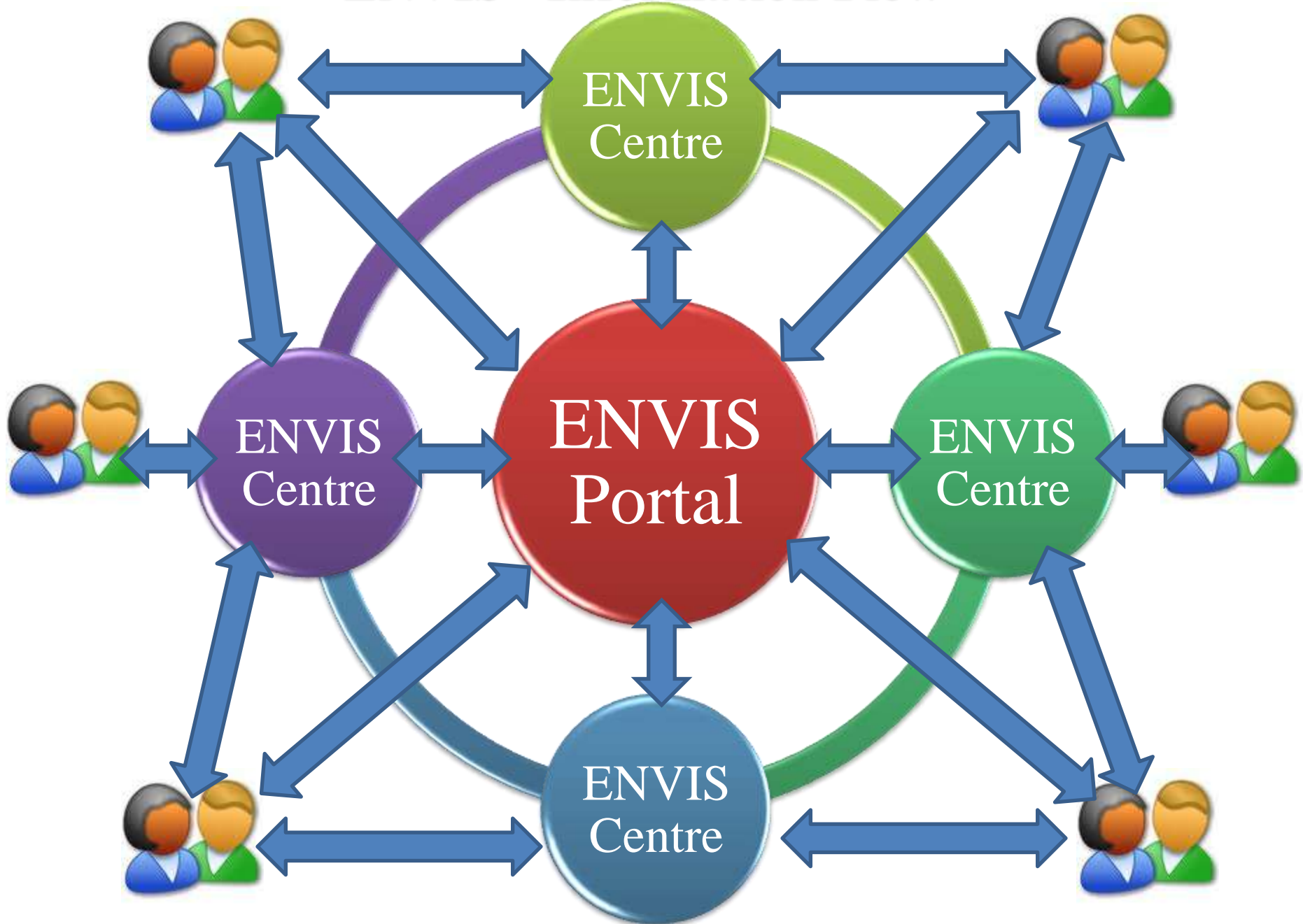
[Download the Utilization Format](#) | [ENVIS Information & Communication Technology \(ICT\) Support](#)

[Website cyber security auditing and redesigning workshop on 4-5 May, 2011](#) | [ISBEID training Workshop on 12-13 May, 2011.](#)

<p><b>About Envis</b></p> <p><b>ENVIS Centres</b></p> <p><b>Site Index</b></p> <p><b>Reports</b></p> <p><b>Help Desk</b></p>		<p><b>ENVIS SPOTLIGHT OF THE MONTH</b></p> <p><b>DEPARTMENT OF SCIENCE, TECH. AND ENVIRONMENT - GOA</b></p> 	<p><b>NEWS ROOM</b></p> <p>ENVIS Information &amp; Communication Technology (ICT) Support. Click for details.....</p> <p><a href="#">Scientific Advisory Committee of ENVI</a> <b>Indian State Level Basic Environment Database</b></p> <p><a href="#">User's Manual of I-SBEID</a></p> <p><b>State of Environment Report</b></p> <p><b>CALENDAR OF EVENTS</b></p>
<p><b>Logo Competition</b></p> <ul style="list-style-type: none"> <li>Winners</li> <li>Other Entries</li> </ul>	<p><b>OPINION POLL</b></p> <p><b>Select ENVIS Centres &amp; Nodes a bird's eyeriew</b></p> <p>The ENVIS Centre, which is also functional as a Node at the Bombay Natural History Society (BNHS), Mumbai have been entrusted to act as a repository of any information on <b>Avaian Ecology including Inland Wetland.</b></p> <p>The ENVIS Centre on Western Ghats at Centre of Ecological Sciences, IISc, Bangalore has been awarded the best ENVIS Centre award for the year 2004</p> <p>Roll over any of the boxes above to view glimpses of the ENVIS Centres and Nodes.</p>	<p><b>DATABASE</b></p> <p>INDIAN STATE LEVEL, BASIC ENVIRONMENTAL INFORMATION DATABASE</p> <p>Records</p>	<p><b>Compendium of ENVIS Centres</b></p> <p><b>BEST ENVIS CENTRE AWARD</b></p> <ul style="list-style-type: none"> <li>Scheme</li> <li>Criteria</li> </ul> <p><b>BEST ENVIS CENTRE AWARD - 2006</b></p> <ul style="list-style-type: none"> <li>Winner</li> <li>CASMB, Parangipettai</li> <li>CRFEC, Chennai</li> </ul>

ENVIS website: <http://www.envis.nic.in>

# ENVIS - Information Flow



# Main Areas of ENVIS Scheme

## Thematic Centres

Chemicals, Wastes and Toxicology

Environment and Energy Management

Ecology and Ecosystems

Flora, Fauna and Conservation

Environment Law and Trade

Media, Environment Education and Sustainable Development

## State Centres

Status of Environment Related Issues



## **Present Status and Activities**

### **Annual Report**

The division is responsible for coordination and publication of the Annual Report of the Ministry. The Annual Report for the year 2010-11 has been prepared and sent to Parliament/ Parliamentary Committee/ PIB and others.

### **State of Environment ( SOE) Reporting:**

- (i) At National;
- (ii) Regional, and ;
- (iii) City/ local level/Hotspots.



## State of Environment Report (SoER) brought out under the scheme from year 2004-2011

Year	States/UTs
2004	Assam, Chandigarh
2005	Andaman & Nicobar , Chhattisgarh, Daman & Diu, Dadra & Nagar Haveli , Haryana, Jharkhand, Meghalaya , Mizoram, Nagaland, Pondicherry, Tamil Nadu, Delhi, Gujarat
2006	Kerala , Madhya Pradesh, Manipur
2007	Bihar, Maharashtra, Orissa, Punjab, Rajasthan, Sikkim
2008	Himachal Pradesh
2009	National SoE Report
2011	Andhra Pradesh, Hyderabad City, and Uttar Pradesh

### States which brought out the State of Environment Report either from assistance by World Bank or their own resources

2003            Andhra Pradesh, Karnataka, Uttar Pradesh, Tripura

2005            Punjab

# Indian - State Level Basic Environmental Information Database (I-SBEID)

The ISBEID programme has been initiated throughout the country through State/UT ENVIS Centres. Under this programme, online environmental data in MIS and GIS model up to district level on ENVIS portal of the Ministry. ISBEID consist of following 17 modules:

1. Administrative Profile
2. Infrastructure
3. Energy
4. Agriculture
5. Industries
6. Tourism & Heritage
7. Natural Resources
8. Forest Resource
9. Water Resource
10. Ground Water Resource
11. Ecology
12. Sanitation
13. Water Pollution
14. Air Pollution
15. Bio-diversity
16. Waste
17. Disaster



## New Initiatives:

- Data on environment and its related 17 modules are regularly collected and will be placed on ISBEID portal on MIS and GIS framework.
- Redesigning of Ministry's website and ENVIS focal point website by making it bilingual based on Content Management System(CMS) technology.
- Redesigning, cyber security auditing and identification/removal of vulnerabilities of ENVIS Centres Websites as per the Government of India's Guidelines.
- Report to the People on Environment and Forests 2009-10 has been prepared, published and put on Ministry's website as mentioned by Hon'ble President of India, in her address to joint session of the Parliament on 4<sup>th</sup> June, 2009.
- Online Evaluation Parameters for constant monitoring of ENVIS Centres designed in consultation with NIC.



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# ISBEID- Indian State Level Basic Environmental Information Database

## Environmental Information system

Ministry of Environment & Forests



Gateway To The National Database...

- Home
- About MoEF
- About ENVIS
- SoE Report
- ISBEID GIS
- MIS Report
- User Manual
- Feedback
- Contact Us



### About ISBEID

The Indian State Level Basic Environment Information Database [ISBEID] is a web-enabled software developed by the Ministry of Environment and Forests, Government of India under the Environmental Information System [ENVIS] Project.

The software is to enable the State ENVIS Centres on Status of Environment and Related Issues to feed data directly into the database server using the web-interface in the ENVIS Portal.

[More...](#)

### External Links



[More...](#)

### Login \*

User Name

Password

\* Data Entry and updation for State ENVIS Center

[Forgot Password](#)

### Publication & Report



State of Environment Report-India 2009



Annual Report 2009-2010

**Indian State Level Basic Environment Information Database [ISBEID] is a web-enabled software using GIS and MIS to enable the State ENVIS Centres on Status of Environment and Related Issues to feed data directly into the database server using the web-interface in the ENVIS Portal.**

- ENVIS Focal point in the Ministry is responsible for maintenance and updating of the website of the Ministry (URL: <http://moef.nic.in>) and disseminating information through the website to all concerned. Information in the Ministry's website was continuously updated by ENVIS throughout the year.

The screenshot shows the homepage of the Ministry of Environment and Forests, Government of India. The header includes the Ministry's name, the Government of India logo, a search bar, and the motto 'सर्वो ह्ये नमिष्यते सर्वे ह्ये श्रयस्वते ॥'. The main navigation menu contains links for 'About the Ministry', 'Project Clearances', 'Rules and Regulations', 'Public Information', 'Tenders and Advertisements', 'Major Initiatives', 'Fellowships and Awards', and 'Write to the Ministry'.

The main content area features three primary news items:

- Minister inaugurates the first Indian Forest Congress, 2011** (New Delhi, 22nd November, 2011): Accompanied by a photo of Smt. Jayanthi Natarajan speaking at a podium.
- Draft Guidelines for Species Recovery Programmes of GIB and Lesser Florican** (New Delhi, 30th November, 2011): Accompanied by a photo of a Lesser Florican bird.
- Slideshow** (Courtesy: Devaang Jain): Titled 'The Final Destination', it features a photo of a Buddhist Stupa near Kunzum Pass, Himachal Pradesh.

Below these items are several sections:

- Press Release »**: A link to the inauguration news.
- Cover Letter »**: A link to the draft guidelines.
- India and Climate Change**: A section for a joint statement issued by BASIC Ministers at the end of the 9th BASIC Meeting in Beijing, China, on October 30-November 1, 2011.
- Recent Updates**: A section for 'Voices From the Field and other books released at IFC, 2011'.
- New Releases**: A section for the 'Expansion of Alumina Refinery from 1 MTPA to 6 MTPA and Captive Power Plant of 72 MW to 285 MW at Lanigarh in Orissa'.

MoEF website: <http://www.moef.nic.in>

# ENVIS Centre on “Floral Diversity”

- The Environmental Information Systems (ENVIS) Centre on “Floral Diversity” at Botanical Survey of India, Kolkata was set up by the Ministry in the year 1994.
- "ENVIS CENTRE on Floral diversity at BSI, Kolkata, is engaged in meeting the task of disseminating information on Floral diversity including the Rare and Endangered plants to the wide range of users through the vast infrastructural facilities and experienced Scientists of the Botanical Survey of India.
- The main objectives of the centre are to collect and store data on various Floral diversities from different eco-regions of India. Economic and Medicinal plants, plants that are used largely for sustainable development, cottage industries, food products and plants that are in the categories of rare and endangered.
- All these information are being disseminated as much as possible through an appropriate database to the different users nationally and internationally and to create an interlink by computer network. Every year the centre receives various national and international queries for appropriate answer.



# ENVIS



**ENVIRONMENTAL INFORMATION SYSTEM** ENVIRONME

**ENVIS URLs** **DATABASE** **FAQS** **SERVICE** **CONTACT** **PUBLICATION** **News**

## ENVIS CENTRE ON FLORAL DIVERSITY

**BOTANICAL SURVEY OF INDIA**  
**Ministry of Environment & Forests**  
**Government of India**  
**CNH Building, AJCB Indian Botanic Garden**  
**Howrah 711 103**  
**West Bengal, INDIA**

Search this site:



*Chrysopa huberii* M. Y. Arora (Hymenoptera): an endemic species of Western Ghats  
Locality: Tamhis Muzh, Pune Dist., Maharashtra, India



Carpet of *Eriocaulon arborescens*: Impatiens-like & Utricularia polyparasites at Kaa pithan  
Locality: Kaa Lateral Pithan, Sataba Dist., Maharashtra, India



Violet Carpet of *Impatiens lewisii* Hook. f. & Thunberg (Balanophoraceae) on Kaa Pithan  
Locality: Kaa Lateral Pithan, Sataba Dist., Maharashtra, India



The Western Ghats escarpment in the Devican Traps at Arthur's Seat, Maharashtra  
Locality: Arthur's Seat Point, Maharashtra, India



*Oboliva superba* L. (Droseraceae), a poisonous plant of India locally known as  
Agnikashu in Maharashtra

ENVIS website: <http://www.bsienvi.nic.in>

# Glimpse of Database Developed by the ENVIS Centre



## Rare and Threatened plants :

The database includes plants that are rare or threatened otherwise, which is the foremost task in the implementation of the plant conservation.



## Medicinal Plants :

The database provides information what the flowering plants which have potential medicinal value and are used extensively in different systems of medicine like Ayurveda , siddha, Unani and Allopath .



## CITES Plants :

The database provides information about the plants included in the Appendices I , II and III of the convention on International Trade in Endangered species of wild fauna and flora , which are periodically reviewed in order to provide exact status according to the actual sanction

## Allergic Pollen :

## RET Taxa :

## Medicinal Plants of West Bengal (Bi-lingual)

## Plants of ethnobotanical importance

## Mangroves of India

## Carnivorous plants of India

## NEWSLETTERS

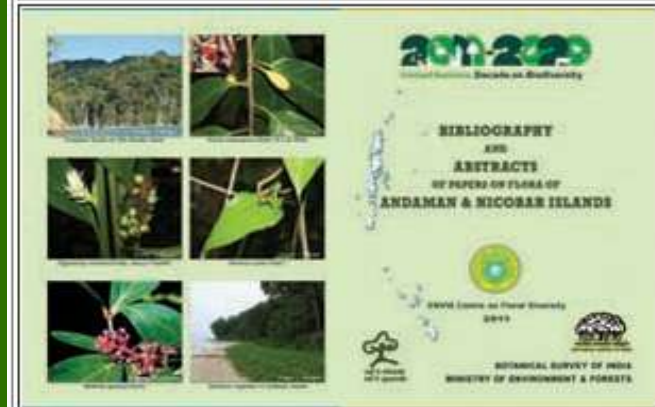


Vol.15(2) 2010

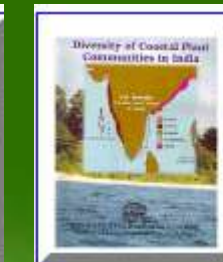


Vol.16(1) 2011

## ABSTRACT



Abstract of papers on Flora of Andaman & Nicobar Islands



# ENVIS Centre on “Faunal Diversity”

- ENVIS Centre on “Faunal Diversity” at Zoological Survey of India, Kolkata was set up by the Ministry in the year 1993.
- "ENVIS CENTRE on Faunal Diversity at ZSI, Kolkata, is engaged in building up storage, retrieval and dissemination of information speedily to the users in the field of animal biodiversity.
- The Centre provides national environmental information service relating to above subject area relevant to present needs.
- The Centre promotes national and international co-operation and liaison for exchange of information relating to the subject area and exchange of information relating to subject area amongst developing countries.
- The Centre supports and assists education and personal training programmes designed to exchange animal biodiversity related information processing and utilising capabilities.

# ENVIS Centre ON FAUNAL DIVERSITY

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Zoological Survey of India  
1916



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## SAVE US

The fragile planet needs urgent care. Human friends, be not hostile to others as the residents of the wild can stand by you. [read more...](#)

## ANIMAL OF THE MONTH

We grow to love our neighbours in the nature and present one's profile each month. [read more...](#)

## ANIMAL IN NEWS

Animals make space in our thoughts & portrayed often in the news. [read more...](#)

## KIDS CORNER

Our children would place us 2 steps ahead with their messages in our effort for making a healthier planet. [read more...](#)



- Newsletter
- Legislation
- Other Links
- Other Languages
- Information
- Training
- Archive



➤ Biodiversity at a Glance

NEWS BOARD



e-Poll

ENVIS website: <http://www.zsienvis.nic.in>

# Glimpse of Database Developed by the ENVIS Centre

**ENVIS Centre**  
FAUNAL DIVERSITY

ZOOLOGICAL SURVEY OF INDIA



## List of Experts on Faunal Biodiversity

[Protozoa](#)

[Mesozoa](#)

[Porifera](#)

[Cnidaria](#)

[Ctenophora](#)

[Platyhelminthes](#)

[Rotifera](#)

[Gastrotricha](#)

[Kinorhyncha](#)

[Nematoda](#)

[Acanthocephala](#)

[Sipuncula](#)

[Mollusca](#)

[Echiura](#)

[Annelida](#)

[Crustacea](#)

[Apterygota](#)

[Odonata](#)

[Plecoptera](#)

[Prthoptera](#)

[Phasmida](#)

[Dermaptera](#)

[Embioptera](#)

[Mantodea](#)

[Blattariae](#)

[Isoptera](#)

[Psocoptera](#)

[Hemiptera](#)

[Thysanoptera](#)

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[Mecoptera](#)

[Diptera](#)

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[Hymenoptera](#)

[Myriapoda](#)

[Arachnida](#)

[Phoronida](#)

[Bryozoa](#)

[Entoprocta](#)

[Chaetognatha](#)

[Tardigrada](#)

[Echinodermata](#)

[Hemichordata](#)

[Protochordata](#)

[Pisces](#)

[Amphibia](#)

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[Aves](#)

[Mammals](#)



# ENVIS Centre on “Ecology of Eastern Ghats”

- ENVIS Centre on “Ecology of Eastern Ghats” at EPTRI, Hyderabad was set up by the Ministry in the year 1996.
- "ENVIS CENTRE on Ecology of Eastern Ghats is engaged in developing databases on various aspects like expert database, ecology of eastern Ghats, flora and fauna, endangered and endemic species etc. Reference from books, journals, magazines, internet and Universities, collection and updation of Bibliographic database on various aspects of Eastern Ghats.
- The Centre provides national environmental information service relating to above subject area relevant to present needs.





# ENVIRONMENT INFORMATION SYSTEM (ENVIS)

CENTRE ON ECOLOGY OF EASTERN GHATS



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## ENVIRONMENT PROTECTION TRAINING AND RESEARCH INSTITUTE HYDERABAD, ANDHRA PRADESH

OBJECTIVES

ACTIVITIES

LINKAGES

EMERGING ISSUES

CONVENTION-TREATIES

LEGISLATION

POLICY MATTERS

CASE STUDIES

LIBRARY

LIST SERVES

IMPORTANT DAYS

SEARCH



EVENTS



FORMS



FAQs



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ENVIS website: <http://www.eptrienvis.nic.in>

## Glimpse of Database Developed by the ENVIS Centre

- The State has wide and varied vegetation types enriched by a variety of flora. Andhra Pradesh being located in the central region of the Indian sub-continent with varied topography ranging from the hills of Eastern Ghats and *Nallamallas* to the shores of Bay of Bengal that supports varied ecotypes, which in turn support a rich diversity of flora. Andhra Pradesh is divided into four major biotic provinces (Deccan Plateau - 53 %, Central Plateau - 35 %, Eastern Highland - 11 % and East Coastal Plains - 1 %).
- The flora (Angiosperms and Gymnosperms) of Andhra Pradesh belongs to 2897 plants under 1089 genera and 178 families. The *angiospermous* flora consists of 2892 plants. 10 dominant genera are *Crotalaria*, *Cyperus*, *Euphorbia*, *Leucas*, *Fimbristylis*, *Ipomoea*, *Indigofera*, *Cassia*, *Ficus* and *Alysicarpus*. The *gymnospermous* flora consists of 5 plants. The flora of Andhra Pradesh consists of 530 trees, 273 shrubs, 1777 herbs and 318 climbers.

# ENVIS Centre on “Western Ghats Ecology and Biodiversity”

- ENVIS Centre on “Western Ghats Ecology and Biodiversity” at Indian Institute of Science, Bengaluru was set up by the Ministry in the year 1996.
- "ENVIS CENTRE on Western Ghats Ecology and Biodiversity is engaged in developing an information database that includes both descriptive information as well as numerical data. Descriptive information in the form of publications, reports, reprints and abstracts on Ecology, Environment, Western Ghats and Biological Diversity will be stored for dissemination. Numerical data are being collected, compiled, processed and analysed for the purpose of dissemination.





# ENVironmental Information System[ENVIS]

CES, Indian Institute of Science, Bangalore

## Sahyadri: Western Ghats Biodiversity Information System



Communication

ENVIS Team

- ENVIS
- Envis@CES
- NIC, Other Ministeries
- Environmental Info. Sys
- Sahyadri
- Sahyadri: Database
- Sahyadri E-news
- Sustainable Development
- Books & Reports
- Digital Libraries
- Publications
- Training Programme
- Lake Symposium
- GRASS Mirror site
- Open Source Softwares
- Contact Information



ANVIS

09943

Visitors

ENVIS website: <http://wgbis.ces.iisc.ernet.in/biodiversity/>

# Glimpse of Database Developed by the ENVIS Centre

[FLORA](#)

[FAUNA](#)

[BIBLIOGRAPHY](#)

[BIODIVERSITY  
BIBLIOGRAPHY VERSION I](#)



[ENVIS TEAM](#)

[DESIGN TEAM](#)



[Home](#)

## Flora of Western Ghats V - IV species

[BACK](#)

**Version - IV : 4166 species**

[NEXT](#)

Flora Database

CHOOSE ATTRIBUTES

- |                                    |                                       |                                 |  |
|------------------------------------|---------------------------------------|---------------------------------|--|
| <input type="checkbox"/> Kingdom   | <input type="checkbox"/> Common Name  | <input type="checkbox"/> Phylum | <input type="checkbox"/> Habit             |
| <input type="checkbox"/> Subphylum | <input type="checkbox"/> Habitat      | <input type="checkbox"/> Class  | <input type="checkbox"/> Ecological Status |
| <input type="checkbox"/> Order     | <input type="checkbox"/> Distribution | <input type="checkbox"/> Family | <input type="checkbox"/> IdentificationKey |
| <input type="checkbox"/> Synonym   | <input type="checkbox"/> Description  |                                 |  |

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**THANK YOU**