

Plant diversity: Wild is beautiful



Hema Sane

ROOT CAUSE OF BIODIVERSITY CRISIS

Anthropocentrism meaning humans must be considered at the center of, and above any other aspect of reality

Earth summit 1992 – Erosion of Biodiversity

Habitat destruction

Overexploitation

Pollution

Inappropriate introduction of foreign elements



Conservation

The protection or wise use of natural resources that ensures their continuing availability to future generations; the intelligent use of natural resources for long-term benefits.

Sustainable development

Preservation and protection of diverse ecosystems-the soil, water, plants, animals, insects and fungi while maintaining their productivity

Environmental management

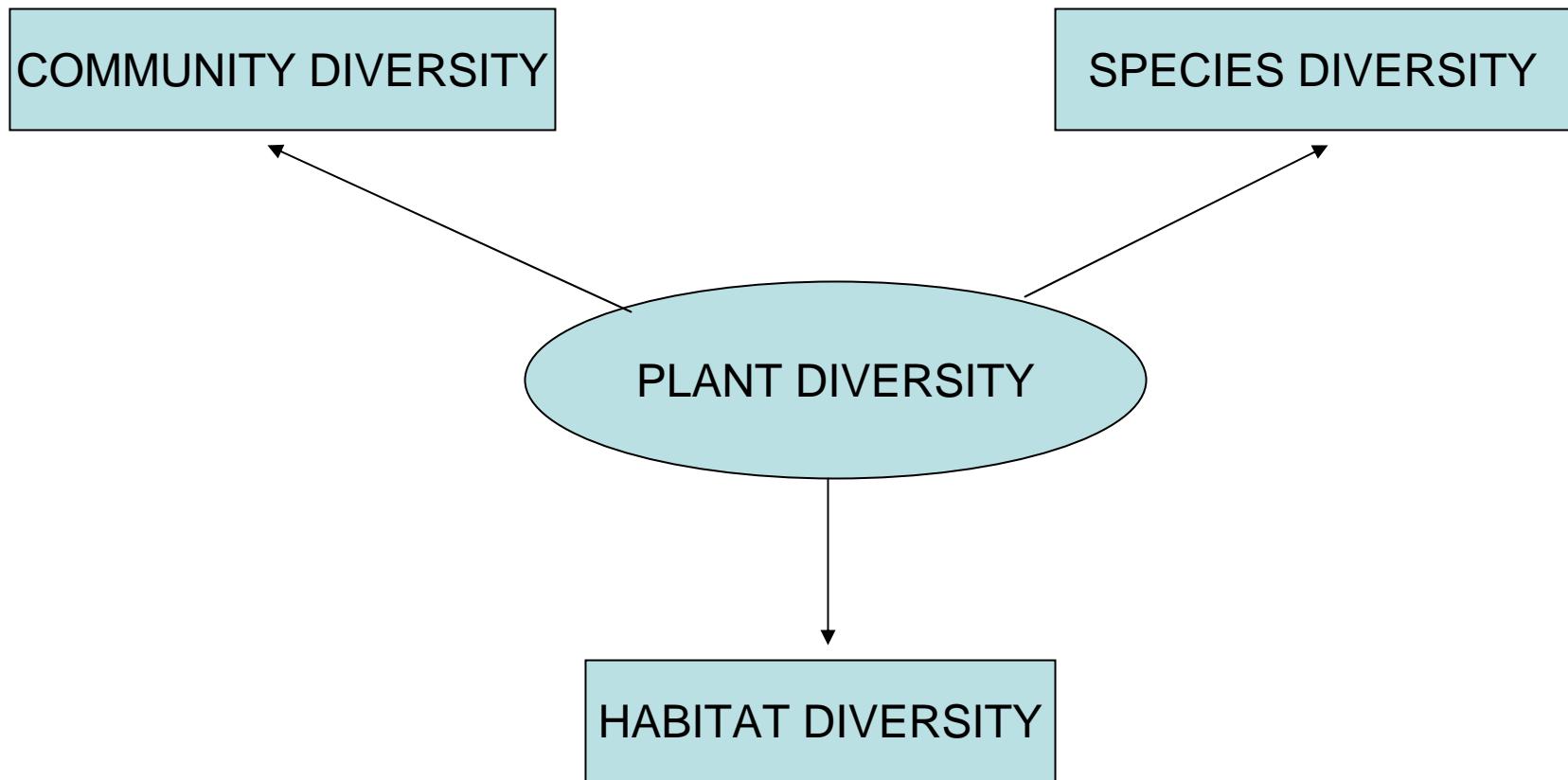
Managing the productive use of natural resources without reducing their productivity and quality

ALL THESE STRATEGIES ARE IN THE FAVOUR OF HUMAN INTEREST

HUMAN RIGHTS COMMISION

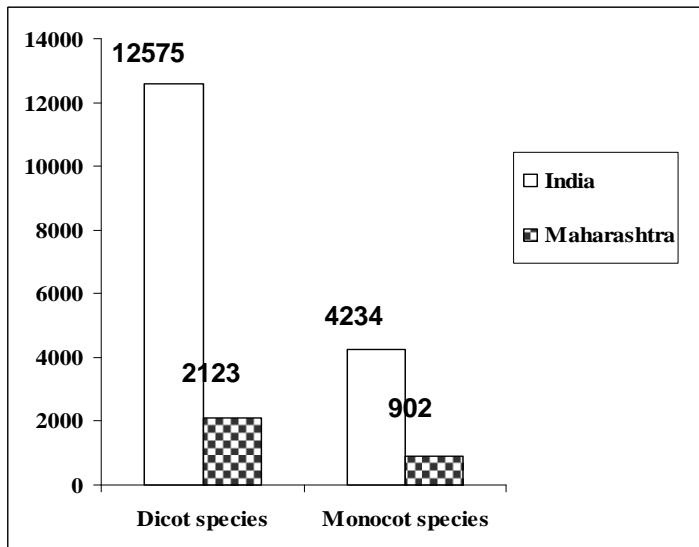
HOW ABOUT PLANT RIGHTS COMMISION?

LEVELS OF PLANT DIVERSITY

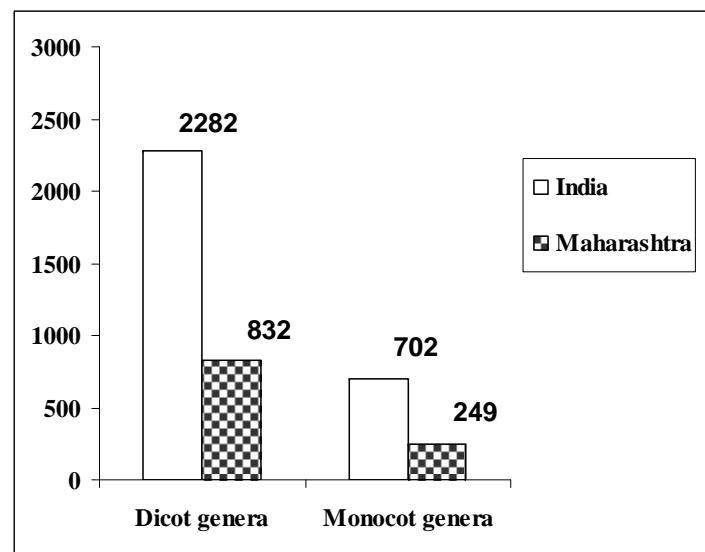


DIVERSITY IN ANGIOSPERMS

Flora of India



Flora of Maharashtra





Grand Canyon of Maharashtra



Memecylon umbellatum



Bauhinia variegata



Carrisa conjusta

DIVERSITY IN HABITATS

Epiphytes



Hoya wightii



Aerides crispum



Vanda tasselata



Rhyncostylis retusa

Lithophytes



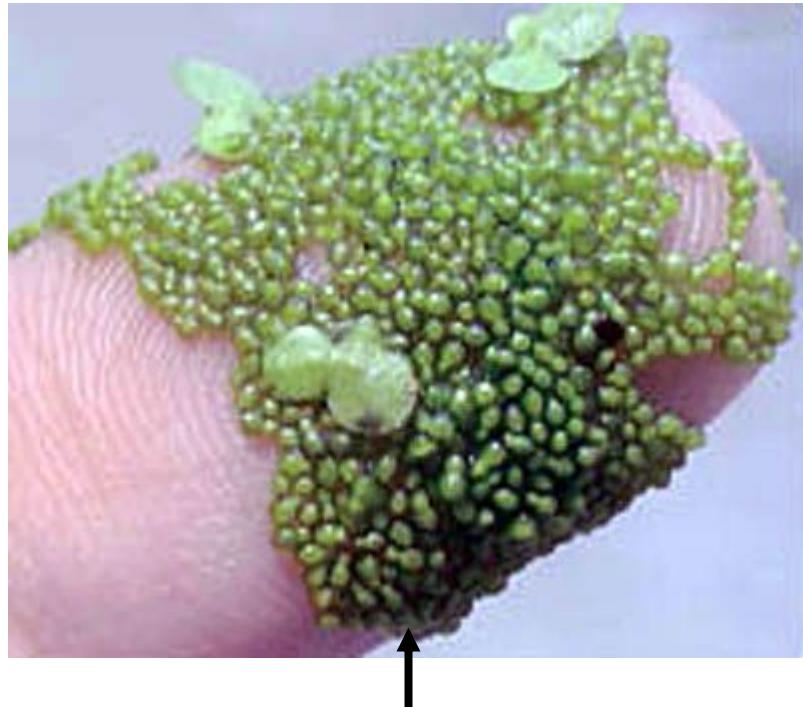
Frerea indica

Lithophytes



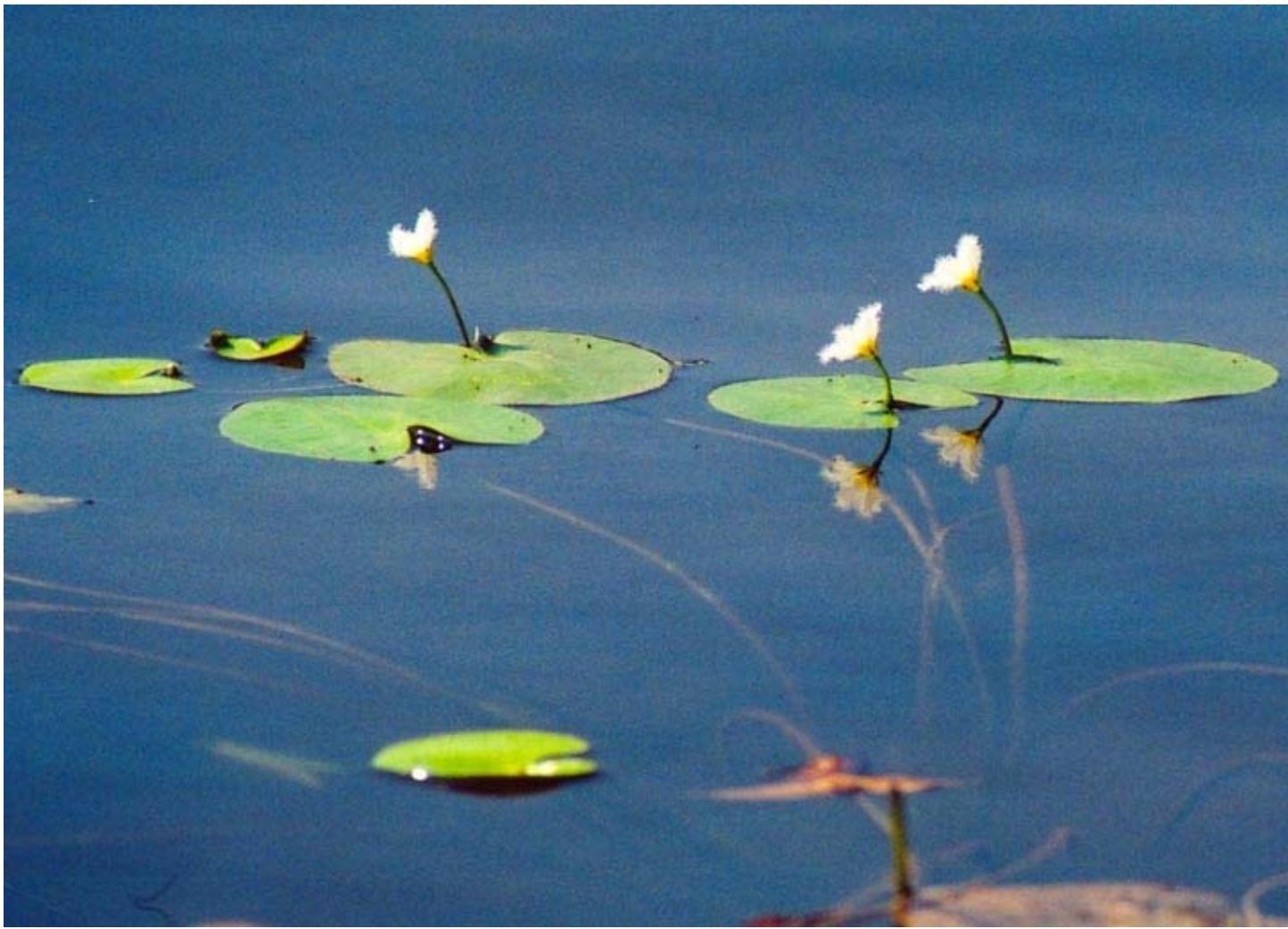
Caralluma fimbriata

Hydrophytes



Wolffia arrhiza

Hydrophytes



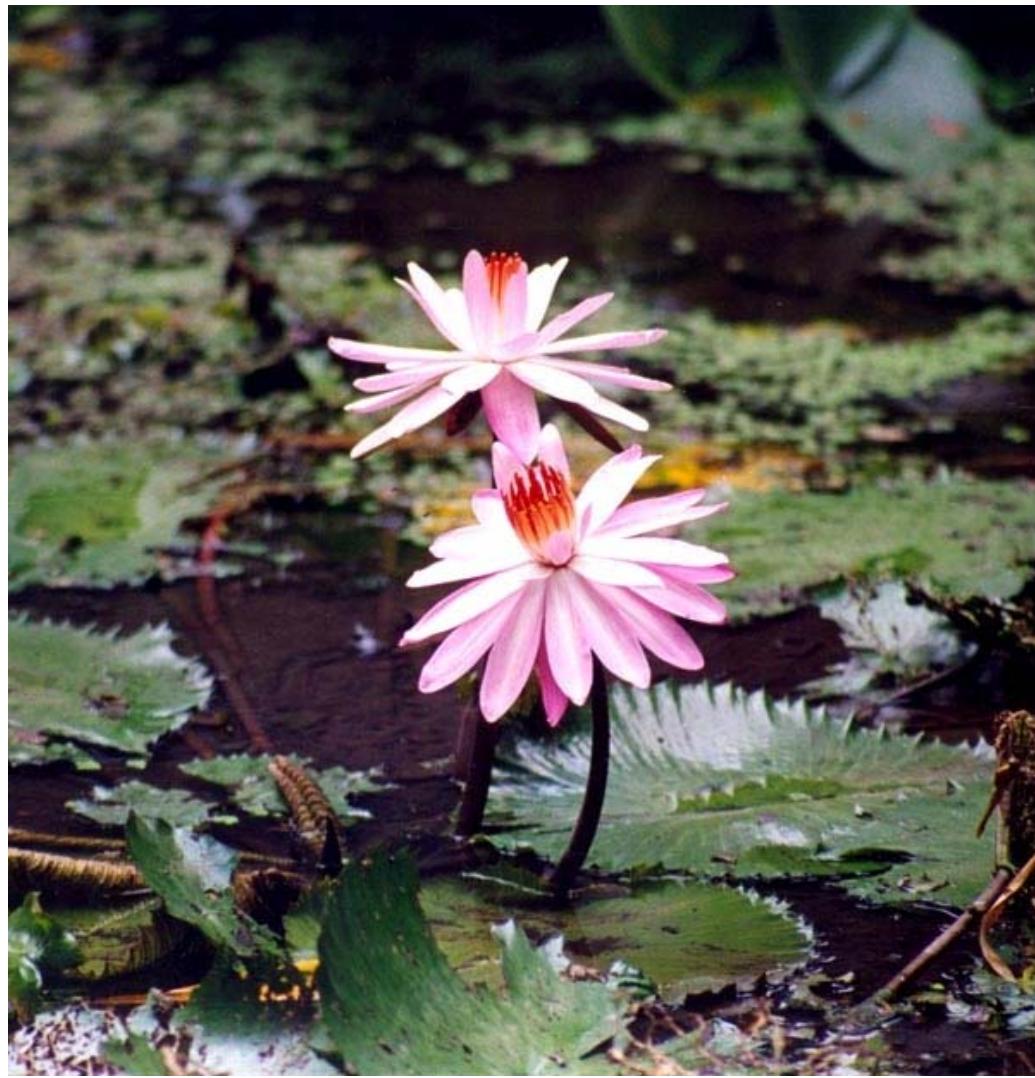
Nymphoides sp

Hydrophytes



Nymphoides sp

Hydrophytes



Nymphaea sp

COMMUNITY DIVERSITY



Mangrove community

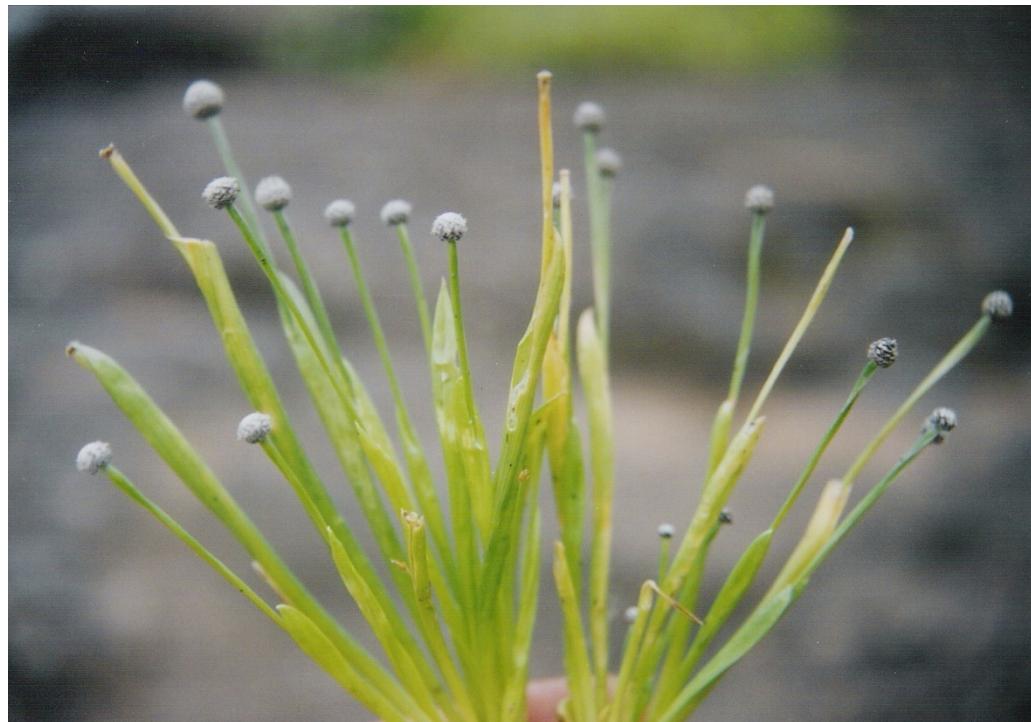
FOREST COMMUNITY



SCRUB COMMUNITY



DIVERSITY IN LIFE CYCLE PATTERN Ephemerals



Eriocaulon sp

DIVERSITY IN LIFE CYCLE PATTERN

Plietasials



Carvia callosa

DIVERSITY IN MODE OF NUTRITION Parasites



Christisonia calcarata

DIVERSITY IN MODE OF NUTRITION

Parasite



Aeginetia indica

DIVERSITY IN MODE OF NUTRITION

Insectivores



Drosera indica

DIVERSITY IN MODE OF NUTRITION

Insectivores



Utricularia spp

MASS EFFECT
Smithia spp



DAFFODILS OF MAHARASHTRA



PLATEAU OF FLOWERS



Smithia spp

MASS EFFECT



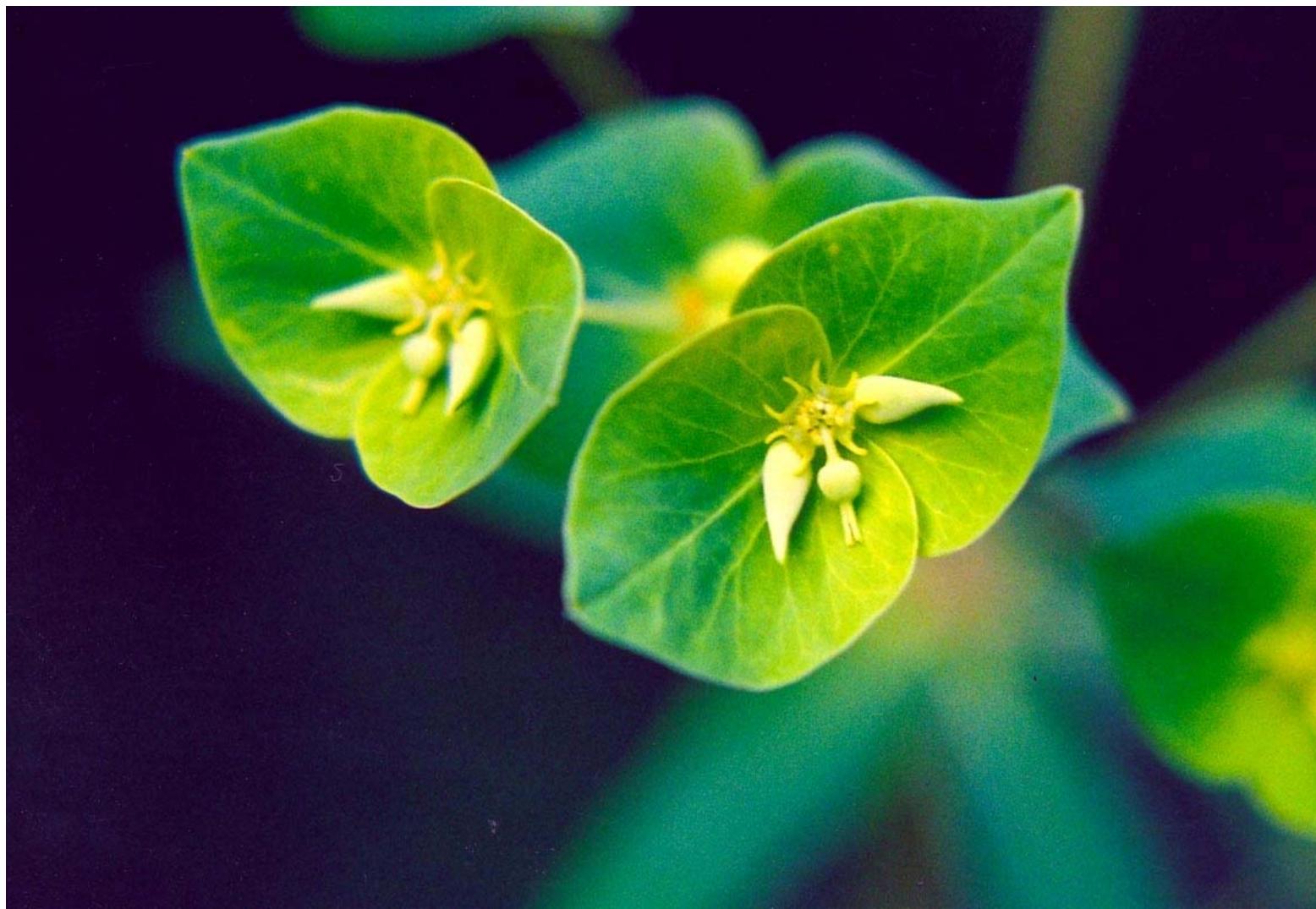
Senecio grahamii

MASS EFFECT



Pogostemon deccanensis

BEAUTY IN “FLOWERS”



Euphorbia rodhiana

Diversity in *Ceropegia* spp



Seshagiri sahyadrica





Clematis hedysarifolia



Sarraca asoka



Cyanotis tuberosa



Exacum bicolor



Swertia decussata



Habenaria longicorniculata

BEAUTY IN GROWTH FORM

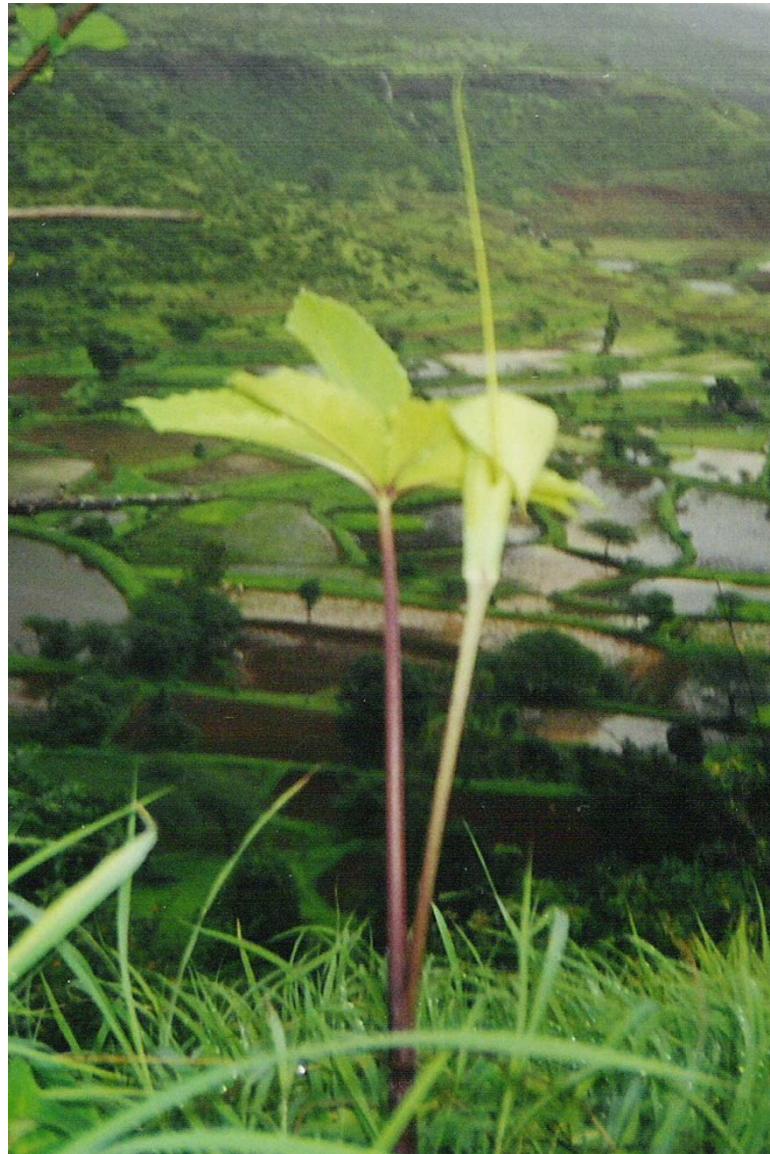


Costus speciosus

MIMICRY



Pterocarpus marsupium



Arisaema



Bauhinia retusa

THE BIRDS AND BEES



Butea monosperma



BUTTERFLIES



Commelina benghalensis



Alysicarpus pubescens

FIREY FLOWER



Gloriosa superba

“SNAKES”



Radermachera xylocarpa



Ventilago spp



Entada pursaetha

DIVERSITY IN FRUIT FORMS

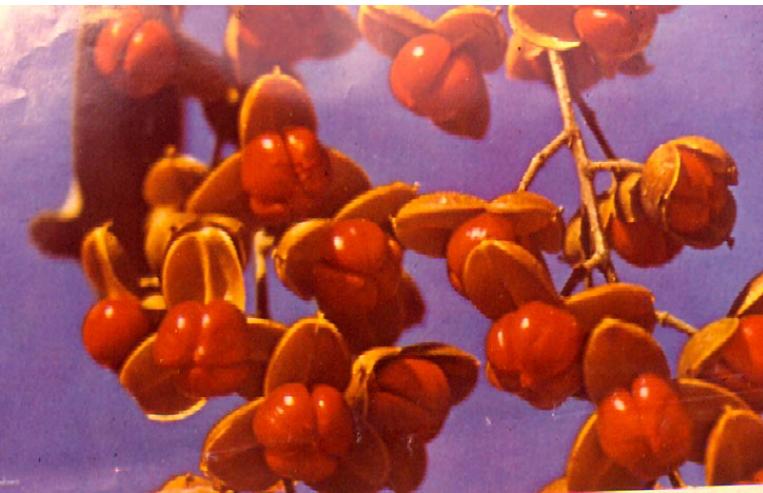


Mucuna pruriens

COLORFUL SEEDS



Rhynchosia cyanosperma



Celastrus paniculatus



Abrus precatorius

Ecological restoration

Altering an area in such a way as to reestablish an ecosystem's structure and function, usually bringing it back to its original

