



ANNUAL SCIENTIFIC MEET 2017

Dr. Priyanka Ingle
Scientist 'B'

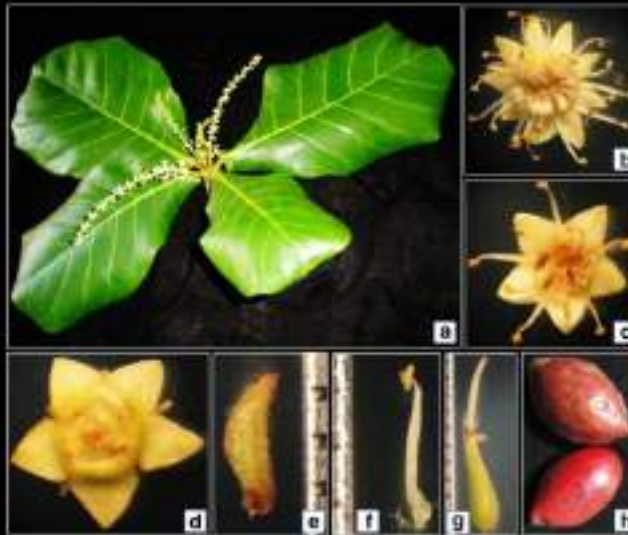
Botanical Survey of India
Western Regional Centre
Pune

Title of the Ph. D. Thesis: **EXPERIMENTAL TAXONOMIC STUDIES ON THE GENUS *TERMINALIA* L.**

Duration : 2007 – 2011

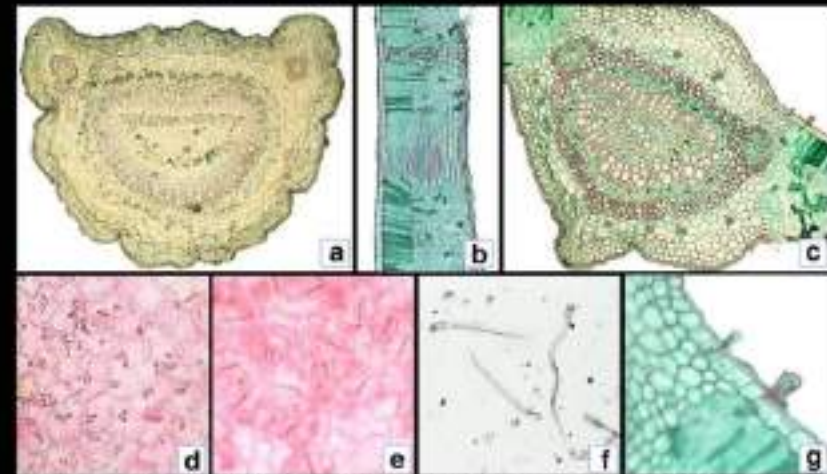
Name of the University : Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra

Terminalia catappa L.



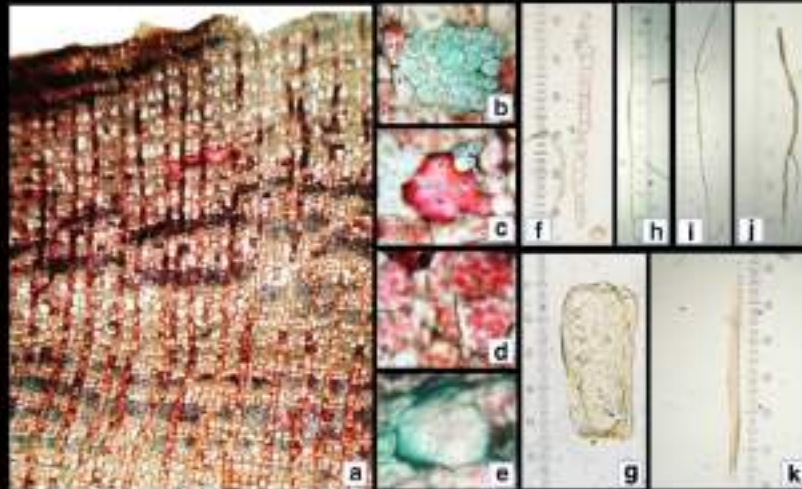
a) Flowering twig b) Flower with more than 10 stamens c) Flower
d) Calyx cup e) Bract f) Stamen g) Carpel h) Fruits

Terminalia bellirica (Gaertn.) Roxb.



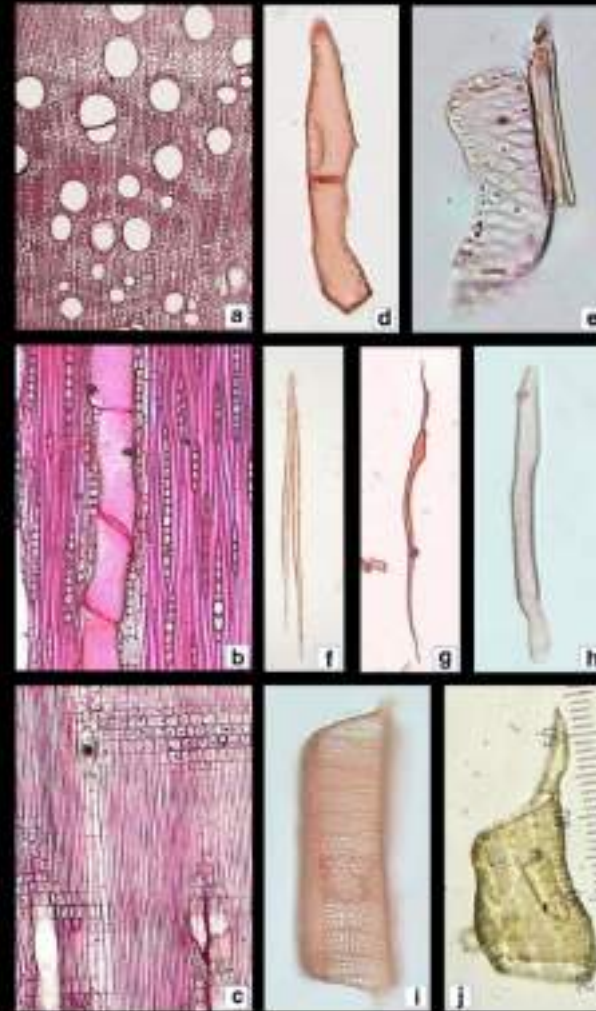
a) T. S. of petiole b) T. S. of leaf through lamina c) T. S. of leaf through midrib
d) Upper epidermal cells e) Lower epidermal cells f) Trichomes
g) Trichomes in T. S. of leaf

Terminalia citrina Roxb. ex Flem.

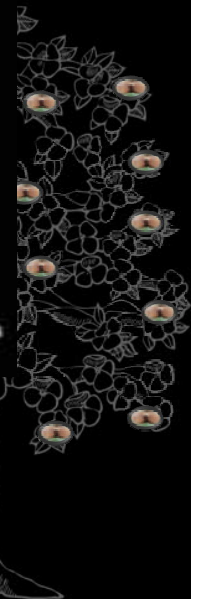


a) T. S. of bark b) Fibre bundle c) Stone cells d) parenchyma with starch grains
e) Druse f) Thin walled parenchyma g) Thick walled parenchyma h) Simple fibre
i) Crystalline fiber j) Branched fibre k) Sieve element

Terminalia catappa L.



a) T.S. of wood b) T.L.S. of wood c) R.L.S. of wood d-e) Parenchyma f-g) Fibres
h) Tracheid i-j) Vessel elements



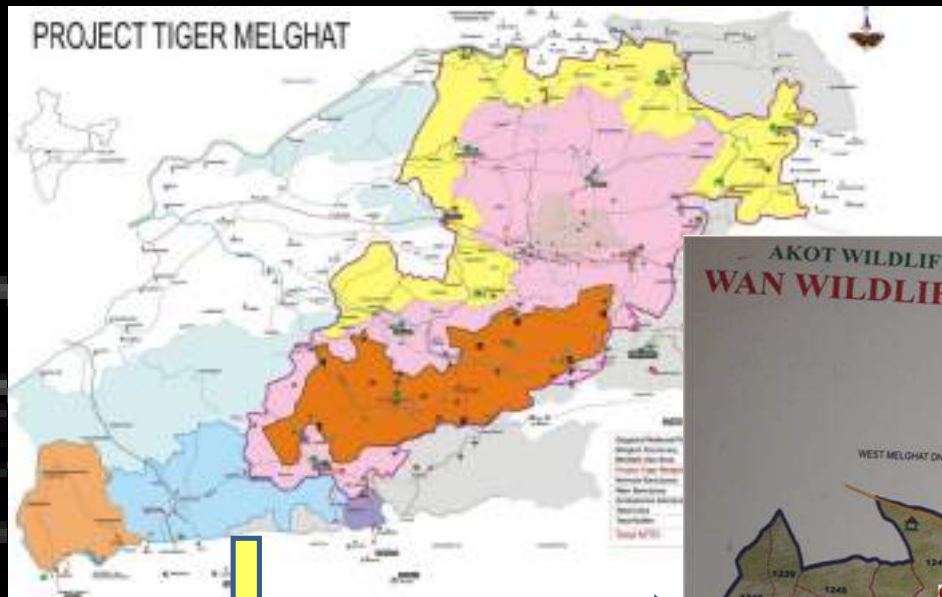
RGSTC Project Fellow: Digitized Inventory of Medicinal Plants of Aurangabad, Jalna & Parbhani district of Maharashtra. 2009 - 2013

ANNUAL ACTION PLAN PROJECT

Title of the Project : Floristic Diversity of Wan Wildlife Sanctuary

Duration of the Project: 2016 – 2020

Total Study Area : 211 sq. km.



WORK DONE

Field Tour Undertaken : 1 (25th July to 9th August, 2016)

Area Surveyed : Approximately 50 sq. km.

Locations Surveyed : **19**

Total field no's collected: 152

Photographs taken : 410

Field no's. identified : 59

Description writing : **59**

Mounting of specimens : **300**





Gloriosa superba L.



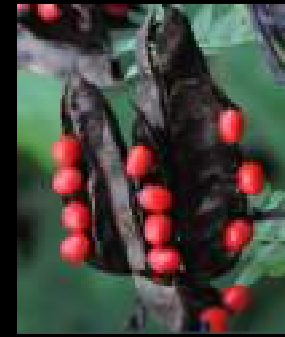
Hemidesmus indicus
(L.) R. Br. Ex Schult



Pergularia daemia
(Forssk.) Chiov.



Ampelocissus latifolia
(Roxb.) Planch.



Abrus precatorius L.



Cardiospermum
helicacabum L.



Triumfetta
rhomboidea Jacq.



Enicostema axillare
(Poir. ex. Lam.) A. Raynal



Hyptis suaveolens
(L.) Poit.



Sesamum indicum L.



Aeschynomene indica L.



Alysicarpus
tetragonolobus Edgew.



Digera muricata
(L.) Mart.



Andrographis
echioides (L.) Nees



Tribulus terrestris L.



Pennisetum glaucum
(L.) R.Br.



Paspalidium flavidum
Wight & Arn



Paspalidium flavidum
(Retz.) A. Camus



Melanocenchris jacquemontii
Jaub. & Spach



Dichrostachys cinerea
(L.) Wight & Arn



Eriolaena hookeriana
Wight & Arn



Balanites aegyptica
(L.) Delile



Helicteres isora L.



Martynia annua L.



Mimosa hamata Willd



Vitex negundo L.

Wild Edibles



Semecarpus anacardium L.f.



Canthium coromandelicum
(Burm. f.) Alston



Carissa carandas L.



Buchanania lanzan Spreng.



Diospyros melanoxylon Roxb.



Phyllanthus emblica L.



Terminalia bellirica
(Gaertn.) Roxb.



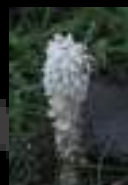
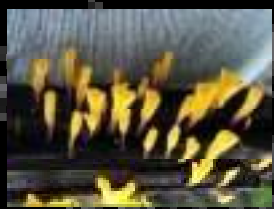
Borassus flabellifer L.



Capparis grandis L.f.

'Talai' the only village present in the Wildlife Sanctuary area





ADMINISTRATIVE WORK CARRIED OUT

1. Coordinating the Plant Authentication.
2. In-charge of Herbarium Hall – 3 (Moncot)
3. Coordinating the visits of visitors at BSI, WRC.
4. In-charge of Library
5. In-charge of Sales Counter, BSI, WRC.

NUMBER OF RESEARCH PAPERS PUBLISHED: 12

FUTURE PLAN

1. DNA Bar coding of the Plant Wealth of Wan Wildlife Sanctuary & Anthropological Studies of the Tribes of Melghat.
2. Authentication of Medicinal Plants on the basis of DNA Bar coding.

Acknowledgement

I acknowledge my sincere thanks to the Director HoO, WRC, HoO Headquarters, Technical Section, Headquarters' and my colleagues for their constant encouragement.



Thank you

