

Annual Scientific Meet 2017

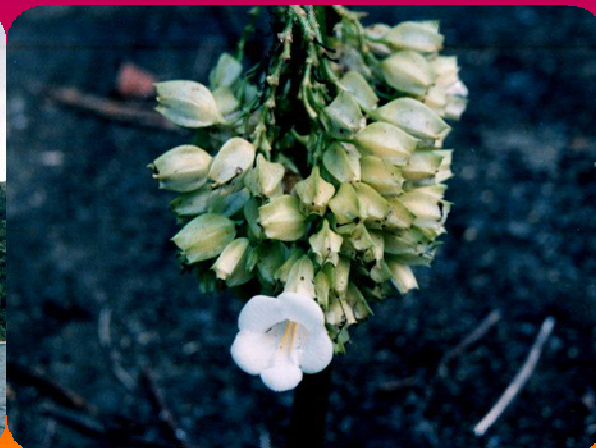
**J. Jayanthi
Scientist 'D'
Botanical Survey of India
Western Regional Centre
Pune**

- **Project Fellow – in Shastri Indo-Canadian Collaborative project titled “Plants, People & Resources: Formal & Informal Knowledge Systems, Institutional Interests & Sustainability” (1999-2000)**
- **Research Scholar – in Flora of North Tamil Nadu under Rev.Fr. K.M. Mathew (2000-2001)**

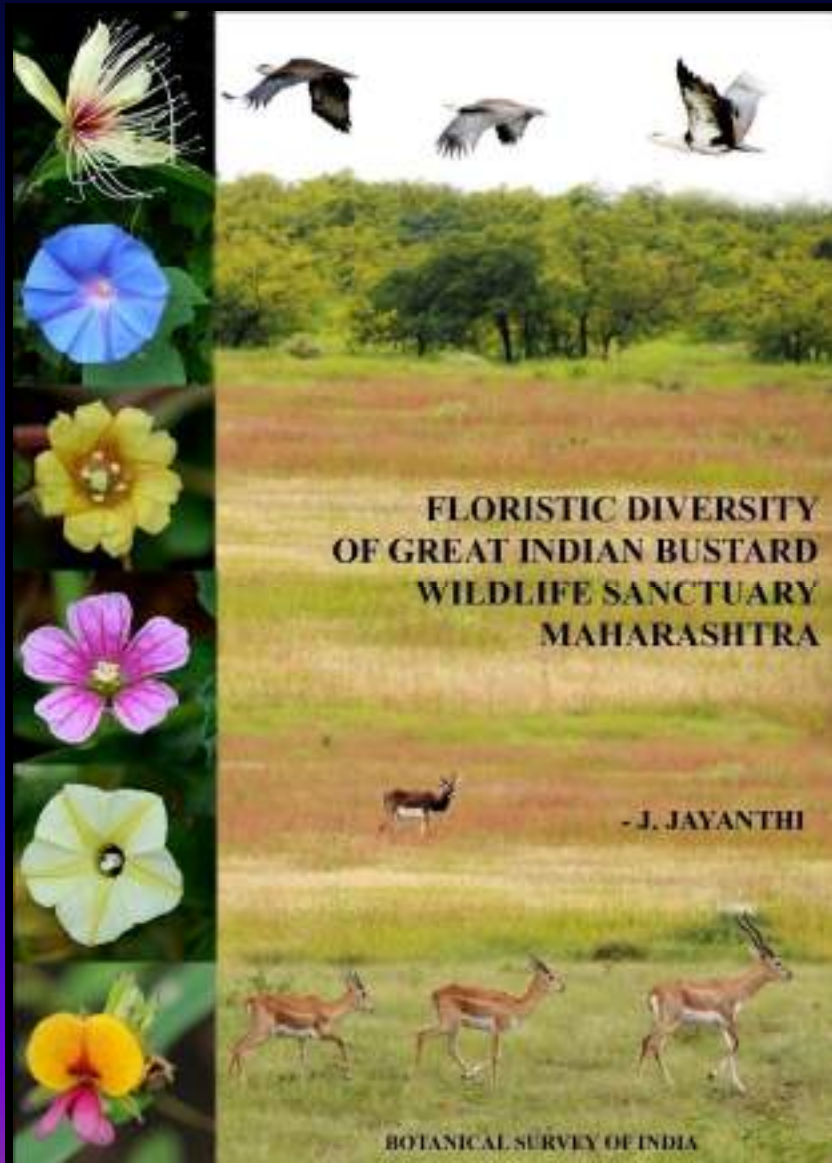
Ph.D. - Floristic diversity of Campbell Bay National Park, Great Nicobar

University of Madras

Protected Area Network Project (2001 – 2004)
(MOEF/BSI)



Annual Action Plan Project



Carried out AAP Project titled
“Floristic Diversity of Great Indian Bustard Wildlife Sanctuary, Maharashtra”
during 2010 – 2013 &
submitted report in 2013



Work done

- **Five** field surveys were conducted during the period 2010–2012.
- One herbarium consultation tour was also undertaken.
- Collected 571 field numbers and identified.
- A total of **996** well labelled herbarium specimens were prepared and incorporated in BSI herbarium.



Outcome of the project

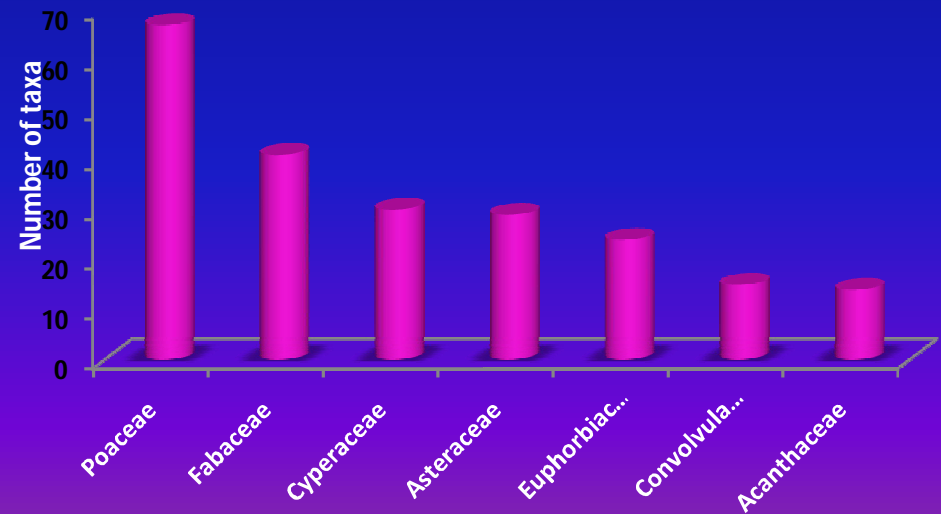
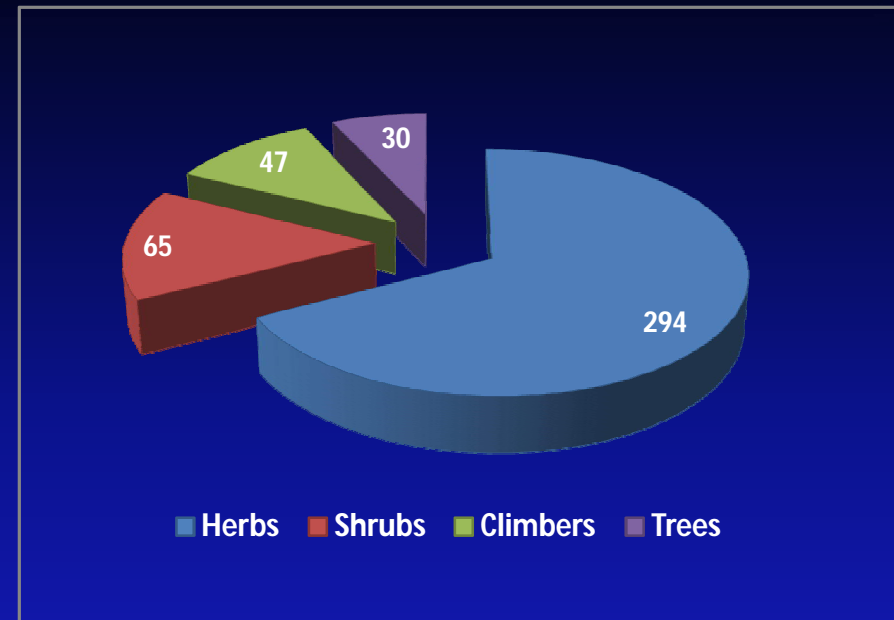
This project has resulted in documentation of 436 wild taxa, belonging to 67 families and 259 genera from the semi-arid grassland habitat.

A total of 25 peninsular endemics and 109 invasive alien species were also documented.

The study also resulted in documentation of 67 species of grasses of which 24 species having fodder value.

This is the first floristic inventory available for this wildlife sanctuary providing a primary baseline data on the floristic elements of the habitat of Great Indian Bustard.

This inventory is vital, in view of the MoEFCC's centrally sponsored scheme on Integrated Development of Wildlife Habitat for recovering the Critically Endangered Bustard species.







Acacia nilotica (L.) Willd.



Cleome chelidonii L.f.



Tricholepis radicans (Roxb.)



Alysicarpus glumaceus (Vahl) DC.



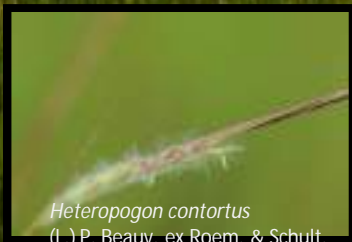
Cyanotis fasciculata Schult.



Monsonia senegalensis Guill. & Perr.



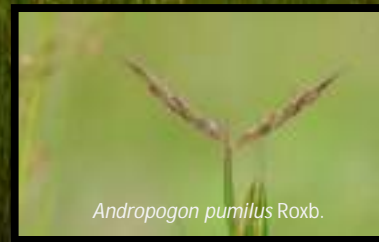
Lophopogon tridentatus (Roxb.) Hack.



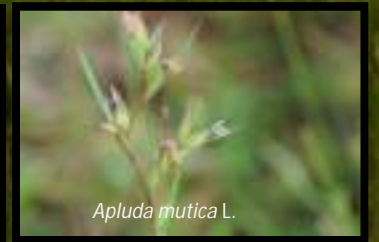
Heteropogon contortus (L.) P. Beauv. ex Roem. & Schult.



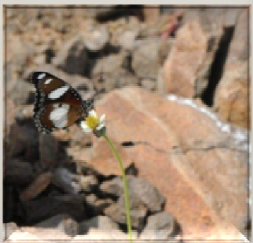
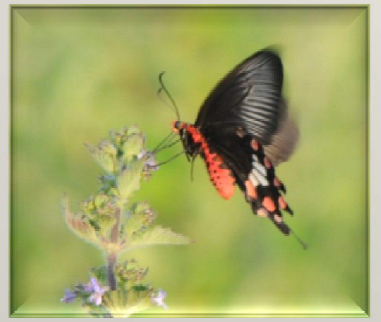
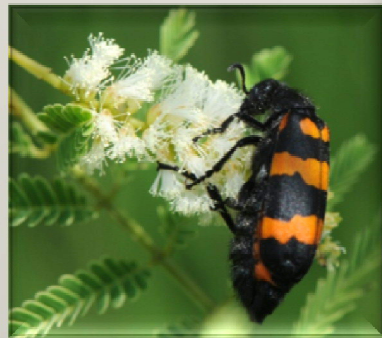
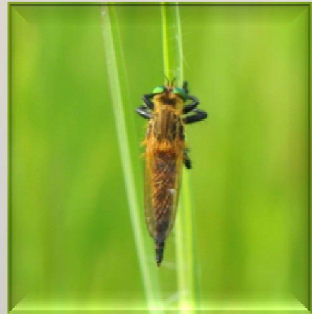
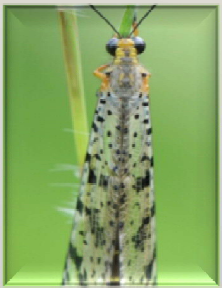
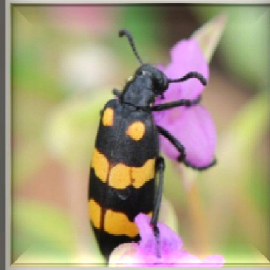
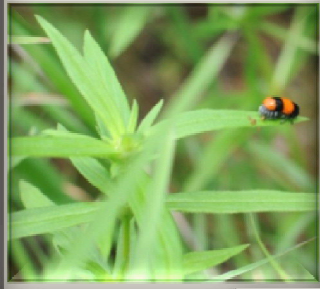
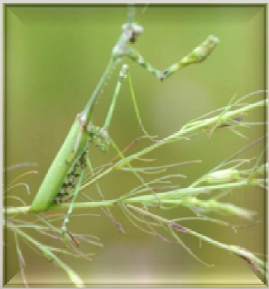
Heteropogon triticeus (R.Br.) Stapf ex Craib



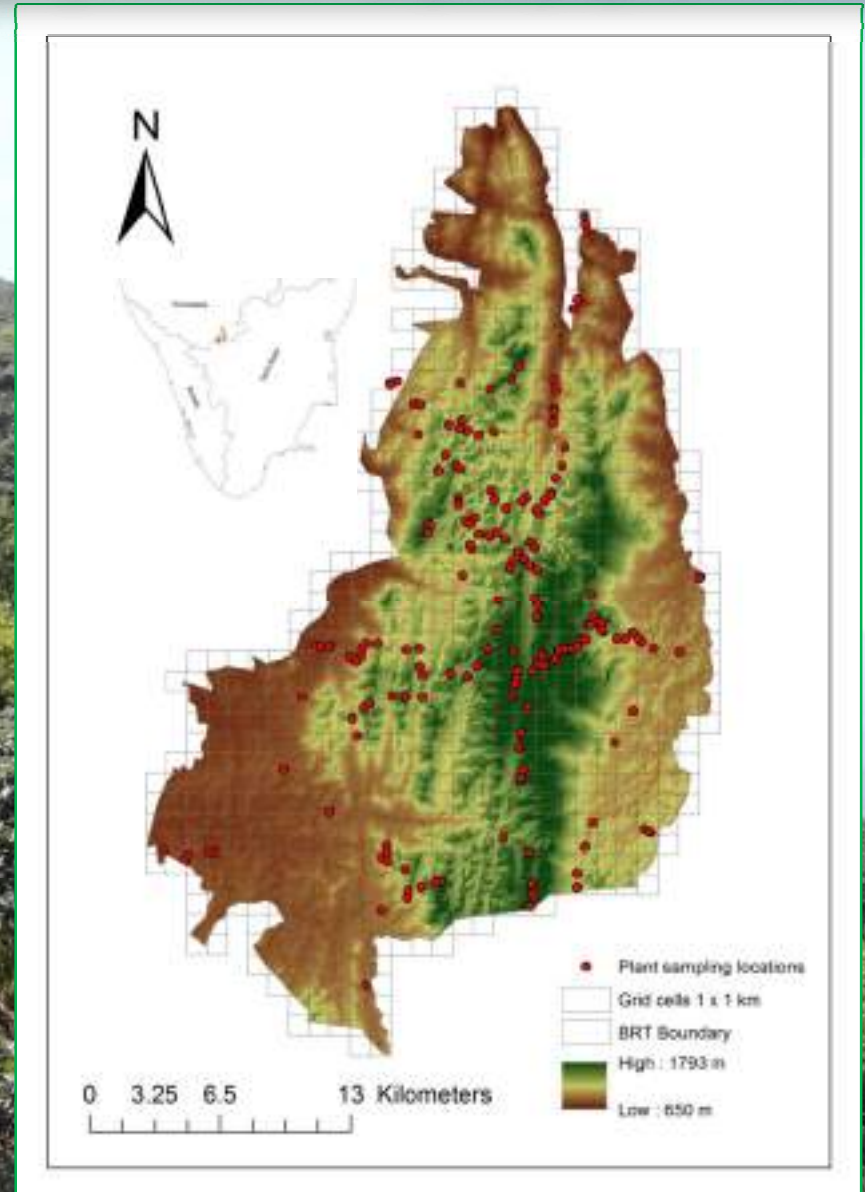
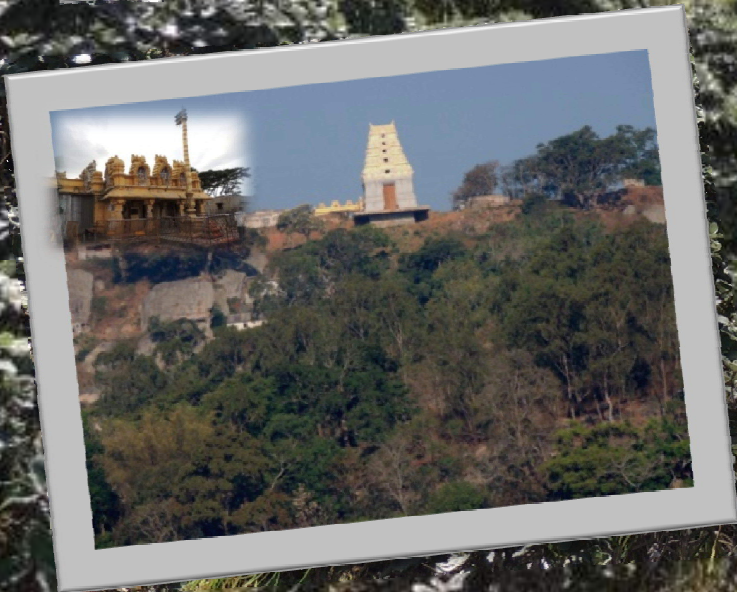
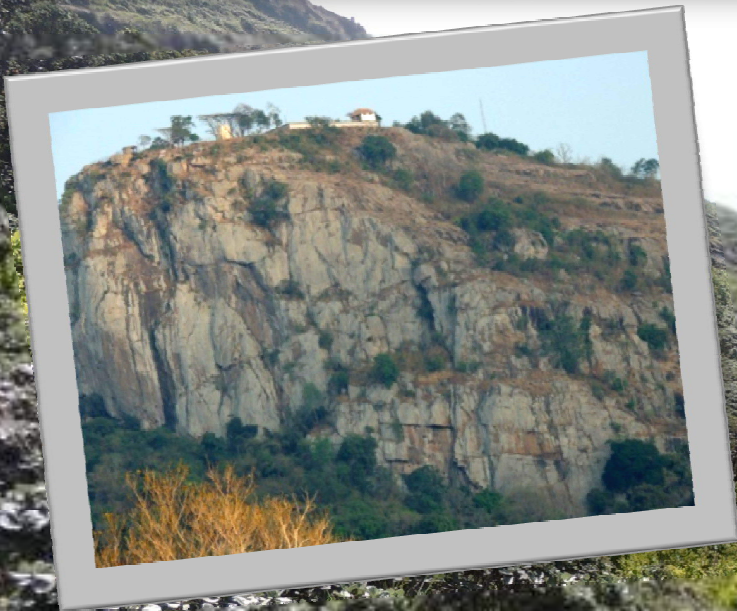
Andropogon pumilus Roxb.



Apluda mutica L.



FLORISTIC DIVERSITY OF BILIGIRI RANGASWAMY TEMPLE (BRT) WILDLIFE SANCTUARY, KARNATAKA- Ongoing Annual Action plan project



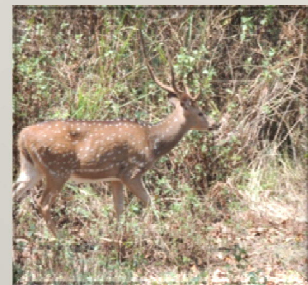
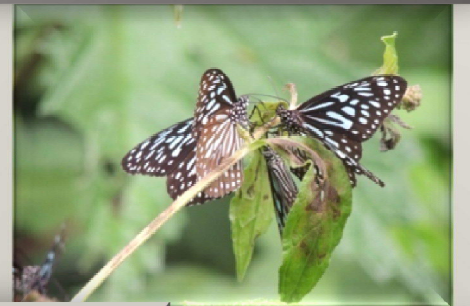
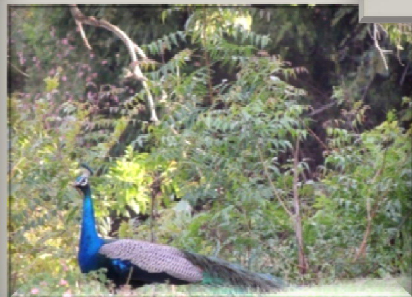
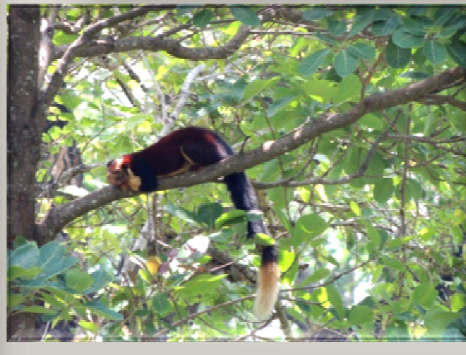
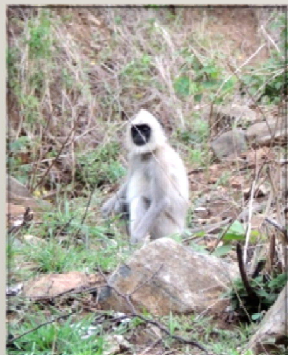
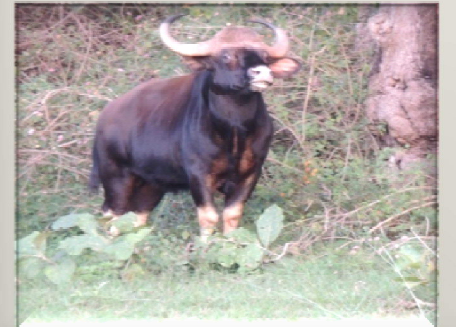
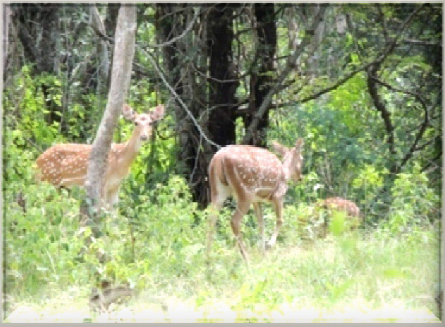
Uniqueness of BRT WLS

Located in the confluence of Western ghats and Eastern ghats.

Presence of wide range of vegetation types ranging from Dry deciduous forest, Scrub forest, moist deciduous forest, evergreen forest, shola forest.

The Soligas are an indigenous tribal community who live in the BRT. Approximately 6000 Soligas live in forest villages called *podus* (tribal settlements).





Work done

Field tours: Seven field tours

Herbarium tours: Two HCT tours

Field numbers collected: 1300 field no.s

Identification: 1100 field nos.

No. of species: 900

No. of genera: 490

No. of families: 124

Description prepared: 150 species

Herbarium mounted: 2000 sheets

Gynostemma pentaphyllum is a herbaceous climber of the family Cucurbitaceae is reported as new record for Karnataka state.



Scientific/Technical work carried out

Technical Section Incharge (2010-till date)

Compilation all monthly/quarterly/annual reports/monthly e-newsletters/Agenda for Head of Office meetings/RAMC meetings/making powerpoint etc.

Providing all type of scientific or technical information / comments / write-ups/ parliamentary queries etc to forest department, ENVIS, National Tiger conservation authority, NGO's, RTI queries, Colleges, Universities, Scientific research laboratories, school children, public etc.

Garden Inspection tours (2012-till date)

Conducted seven Garden Inspection tours in Maharashtra and Karnataka under ABG scheme and submitted comments.

Flora of Karnataka

Prepared manuscript of 3 families Convolvulaceae, Caesalpiniaceae and Sterculiaceae . Prepared the introductory chapter and submitted. Compiled the whole dicotyledon manuscript and submitted.

Ex-Situ conservation

Introduction of plants for ex-situ conservation. A total of 90 species including endemic, RET and medicinal plant species were introduced in office garden

Plant authentication (2010-2015)

Supervised scientific assistants for identification and authentication of 500 plant specimens.

Summer Training Students

Assisted 10 Post Graduate students for their summer training project in BSI, WRC.

Scientific and Technical Training programme attended

Attended four training programme during 2010-2012 in ASCI,WII, BSI-ZSI and Hindi training.

Membership

Life member of Indian Association for Angiosperm Taxonomy (IAAT), Calicut.

Life member of Association for Plant Taxonomy (APT), Dehradun.

Deputed member of Plant committee of Maharashtra State Biodiversity Board.

Administrative works carried out

Performed duties of HoO during November 2011 to March 2013.

RTI incharge- attended all queries & provided information. Also submitted RTI quarterly returns timely.

Tender Committee Chairman (Security & House Keeping)-Performed all noting, drafting and processing of Tender Committee for outsourcing of housekeeping and security services.

Library verification- Conducted Library verification during 2011 and 2013 and submitted the finding report.

Audit - Assisted the Audit officials during Scientific Audit, Mumbai and internal audit party, MOEF, OM inspection and also prepared reply for queries.

Scrutinized all **pending medical bills** and assisted HoO in settling of those bills.

Assisted HoO in processing all procedures viz. Fumigation of herbarium, purchase of Olympus microscopes, GPS, Modernisation of Conference hall, installation of CCTV camera, purchase of scanners, preparation of posters of eminent botanists etc.

Drafting all types of Budget letter as per HoO's instruction when needed.

Assisted HoO in providing any other details as and when required by Hqrs.

Summary

Number of projects carried out	Two (One completed & One ongoing)
Number of Books written/compiled/edited individually as well as jointly	Nil
Number of papers published Individually/ first author/Co-author	67
Number of new taxa	9
Number of new combination	4
New reports for states/regions	15 (India), 31 (states)

Future Plan

*Applied for Extension for One year (April 2017-March 2018) of on going project
FLORISTIC DIVERSITY OF BILIGIRI RANGASWAMY TEMPLE
(BRT) WILDLIFE SANCTUARY, KARNATAKA*

*Floristic Diversity of a selected protected Area
in Western Ghats*

Acknowledgements

I am grateful to,

The Director

Head of Office, WRC

Head of Office, Hqrs,

Head of Office, CNH

Technical Section in-charge, Hqrs & Technical Team

Committee & Sub-committee members

All colleagues



Thank you