PROGRESS OF WORK UNDERTAKEN

FROM July 09, 2001 To February 14, 2017

By

PRATIBHA GUPTA

Scientist 'E'

Botanical Survey of India

MOEF & CC, Govt. of India, AJCBIBG, CNH Building B. Garden, HOWRAH - 711 103, W.B.

Title of The Ph.D. Thesis: Bio-pollution Study of Algae of Ganga Water

Capacity (Research Scholar/ JRF) : Junior Research Fellow

Project Title: Biological Studies of Ganga Ecosystem between Kannauj and Shuklaganj

Sponsored by: Ganga Authority Project, Ministry of Environment and Forests, Government of India, New Delhi

Institution: Bio-pollution Study Centre, Christ Church College, Kanpur

WORK UNDERTAKEN

- A. Scientific Projects of India & Antarctica
- **B.** Administrative
- C. Other Assignments & Service Extended for:
 - > Reviewed Book, Research Projects & Research Papers
 - Edited Articles Published in Vanaspati Vani and for Vigyan Sammelan
 - > Translation work of Plant Discoveries in Hindi
 - Edited Plant Discovery
 - **Edited and Translated BSI Calendar 2011**
 - Prepared Specification of different Microscopes including SEM and others for floating tender
 - Prepared Comparative Statement of different make of SEM and for other Microscopes
 - Demonstrations of SEM(s), Compound Microscope(s), Stereo zoom Microscope(s), Projectors, GPS, etc. Attended
 - Prepared Format for Indenting the Microscope

Contd.....

Contd.....

- Prepared and submitted Inventory of Instruments/ Apparatus/ Devices with Accessories / Computers, Printer, Scanner, etc. available in whole CNH Building in possession with CBL / CNH / IBG/ Cryptogamy / Ecology / Plant Chemistry / Pharmacognosy Section / Library, etc. of BSI and submitted
- **Condemnation of items of Ecology Section**
- Co-Judge for: Sit & Draw and Debate Competition in WED, AJCBIBG, Competitive Events held in BSI Hqr., AJCBIBG & CBL during Hindi Pakhwara
- **Committee Member and Member Secretary for:** Science Quiz Questions, DPC Meeting, Library Committee, Joint Committee and Sub-Committee Member of BSI & ZSI for Utilization of Special Grant, Senior Purchase Committee, Tender for Translation of BSI Publication Committee, Evaluation of AICOPTAX Projects of ZSI and Women **Sexual Harassment**

Development Work:

Prepared and submitted and resubmitted 4 times Computerized Plans for Molecular Biology and Phycology Lab with isolation and culture facility Promotion of Raj Bhasha Hindi

 \mathbf{E}

A. SCIENTIFIC PROJECTS

INDIA:

- 1. Preparation of Checklist of Cyanophyceae of India
- 2. Taxonomic Studies of Cyanophyceae of India: Ist Phase, Maldah District, West Bengal
- 3. Preparation of Checklist of Dinophyceae of India
- 4. Microalgae on & around Lodoicea maldivica (J.E.Gmel.)Pres. (Double Coconut Plant) in AJCBIBG

Contd.....

SCIENTIFIC PROJECTS

- 5. Epiphytic Algal Flora of AJC Bose IBG, Howrah
- 6. Study of Microalgae and monitoring of the water Quality of Leram Lake of AJCBIBG, Howrah (New)

OTHER

7. Restoration of BSI Building Indian Museum Campus at Kolkata

ANTARCTICA

8. Study of Algal Diversity of Larsemann Hills, Antarctica

PREPARATION OF CHECKLIST OF CYANOPHYCEAE OF INDIA

Visited various Scientific Institutions/ Organisations/Universities like NBRI, CDRI, ITRC, CIMAP, BSIP, IARI, INSDOC, NISCAIR, BHU, Lucknow Univ. and Delhi Univ. and Collected Scientific Information / Data published during last 51 years from various sources like:

Database : 06

Journals : 37

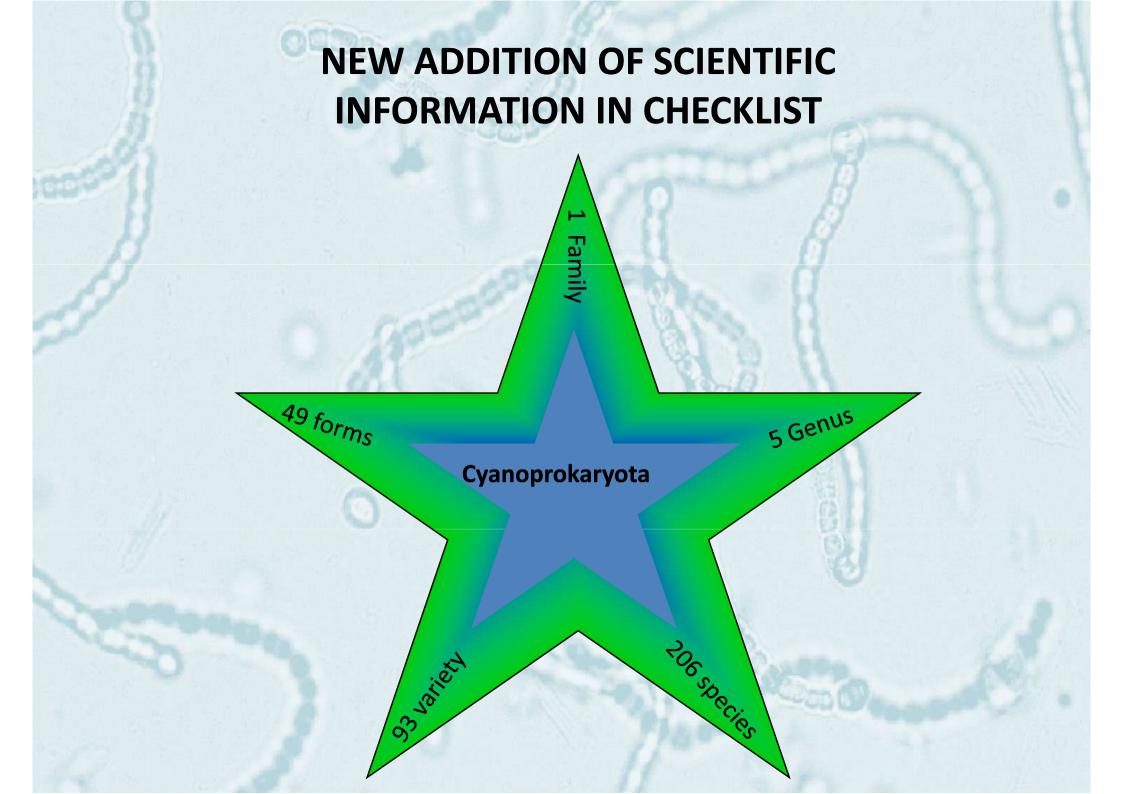
Proceedings : 02

Books : 23

Reference Books : 16

Table 1. NUMBER OF CYANOPROKARYOTES REPORTED FROM INDIA SINCE 1849

S. No.	Order	Family	Genus	Species	variety	forms
1	Chroococcales	02	20	181	32	03
2	Chamaesiphonales	03	04	22	04	- \
3	Pleurocapsales	02	05	11	911	-
4	Nostocales	05	45	678	166	81
5	Stigonematales	06	16	47	05	02
	Total	18	90	939	207	86



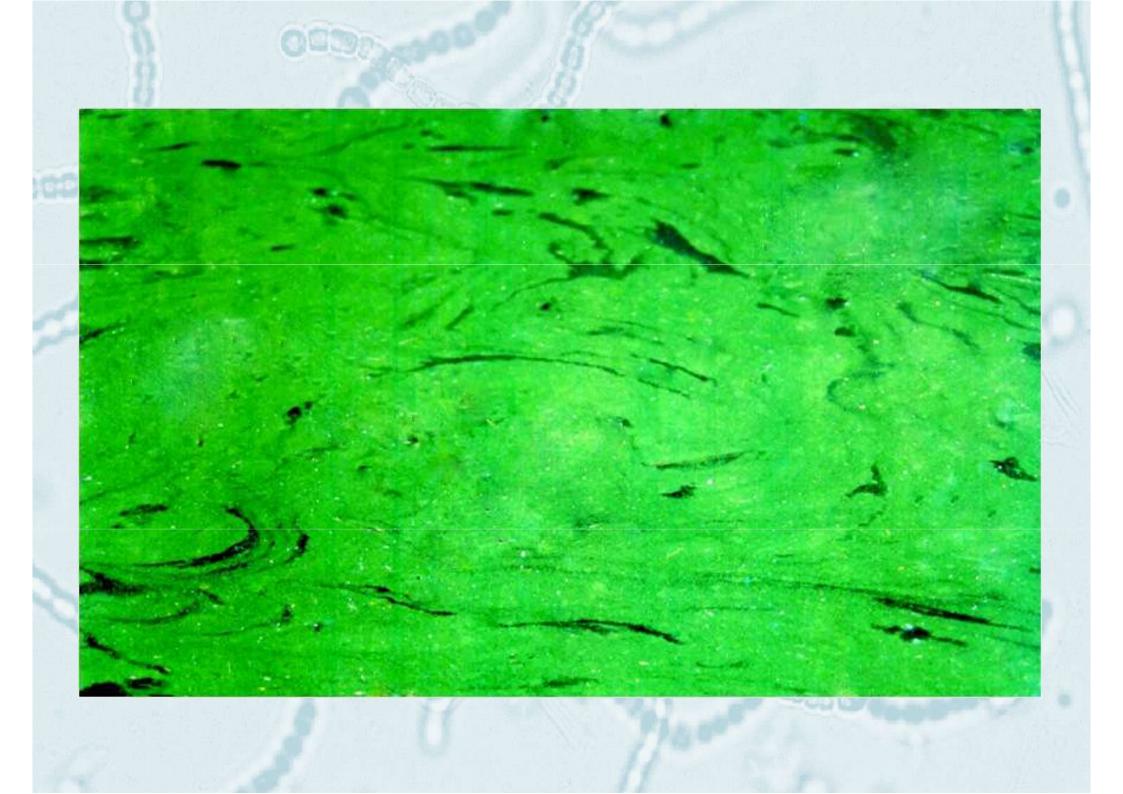
TAXONOMIC STUDIES OF CYANOPHYCEAE OF INDIA: 1ST PHASE - MALDAH DISTRICT, WEST BENGAL

- > Surveyed whole Maldah District and as compared to 11 targeted water bodies samples/specimens from 55 water bodies were collected.
- ➤ During the study, the specimens identified belonging to 03 Order, 5 Families, 22 Genera and 105 species (comprising 93 species, 09 variety and 03 forms)
- There are 43 new records from West Bengal among which 09 species have been reported for the first time from India.
- > Project Completed and Manuscript submitted for. Publication in the form of Book.

Cyanophycean forms recorded from Maldah District

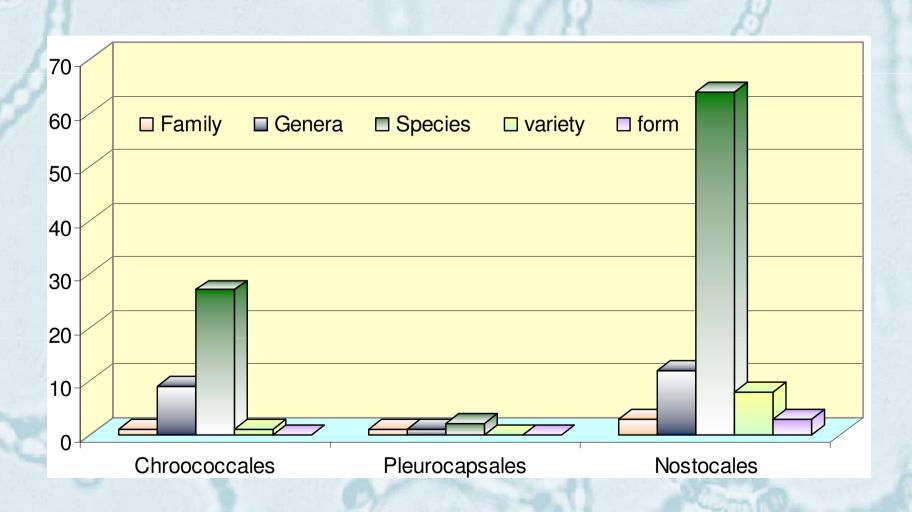
S. N	Order	Family	Genera	species	variety	form
1	Chroococcales	01	09	27	01	-
2	Pleurocapsales	01	01	02	-	-
3	Nostocales	03	12	64	08	03
	Total	05	22	93	09	03







Cyanophycean forms recorded from Maldah District



PREPARATION OF CHECKLIST OF DINOPHYCEAE OF INDIA

Visited various Scientific Institutions/ Organisations/Universities like IARI, NISCAIR, New Delhi, Delhi University (DU) and Banaras Hindu University (BHU) and Collected Scientific Information / Data published during last 48 years from various sources like:

Database : 20

Journals : 35

Proceedings : 02

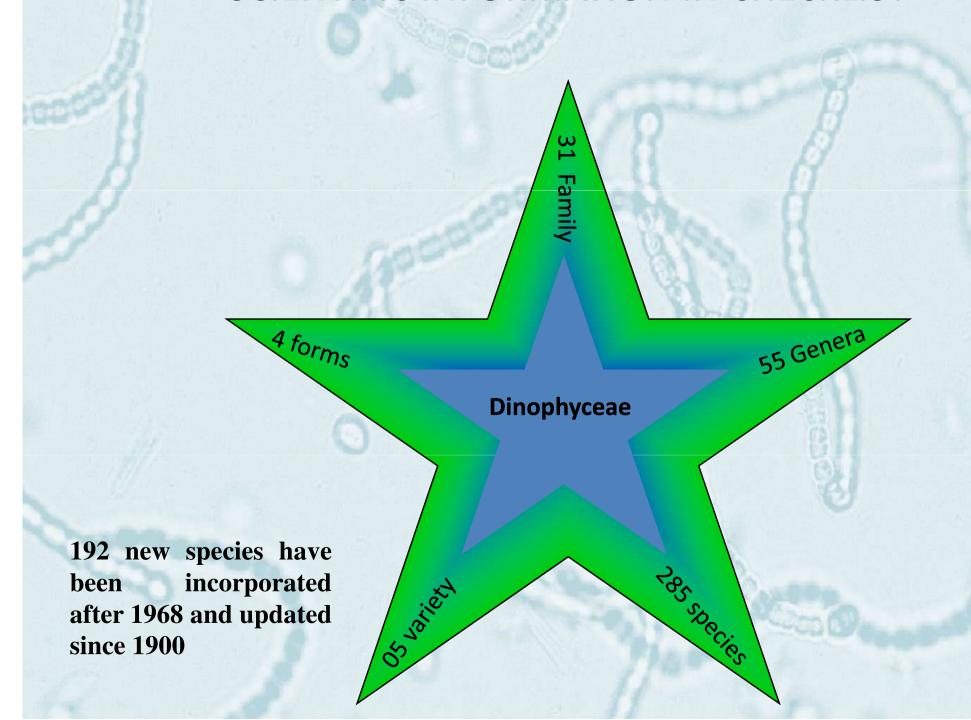
Books : 12

Reference Books : 16

NUMBER OF DINOPHYCEAE REPORTED FROM INDIA SINCE 1900

	S.No.	Order	Family	Genus	Species	Variety	Forma
1	1	Actiniscales Sournia	01	01	04	-	-
	2	<u>Brachidiniales</u>	01	02	03	-	-
		A.R.Loebl. ex Sournia					
	3	<u>Dinophysiales</u> Kof.	03	05	25	-	-
1	4	Gonyaulacales	05	11	90	04	02
		F.J.R.Taylor					
	5	Gymnodiniales Apstein	04	09	30	-	-
	6	Peridiniales Haeckel	80	15	96	01	02
	7	Phytodiniales T.Chr.	01	01	01	-	-
	8	<u>Prorocentrales</u>	02	03	21	-	-
		Lemmerm.					
	9	Pyrocystales Apstein	01	02	06	-	-
	10	<u>Thoracosphaerales</u>	02	03	04	-	-
		Tangen					
1	11	Noctilucales Haeckel	03	03	05	-	-
		Total	31	55	285	05	04

SCIENTIFIC INFORMATION IN CHECKLIST



Microalgae recorded from on and around Lodoicea maldivica (J.E.Gmel.) Pres. (Double Coconut) in AJCBIBG, Howrah

- > Surveyed Large Palm House of AJCBIBG, Howrah.
- > During the study, the specimens identified belonging to 6 Classes of Algae.
- > 38 species recorded from nature.
- > 09 species observed in culture.
- > This is the world record.
- > 04 new record of Microalgae
- > Project Completed and Report submitted.

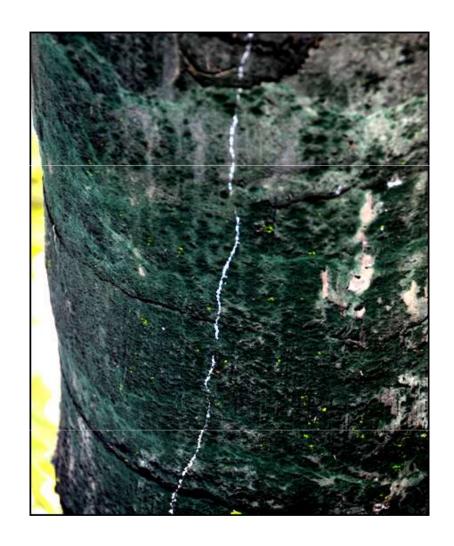


















Microalgae growing in Culture of the part of the tree trunk of Lodoicea maldivica (J.E.Gmel.) Pres.

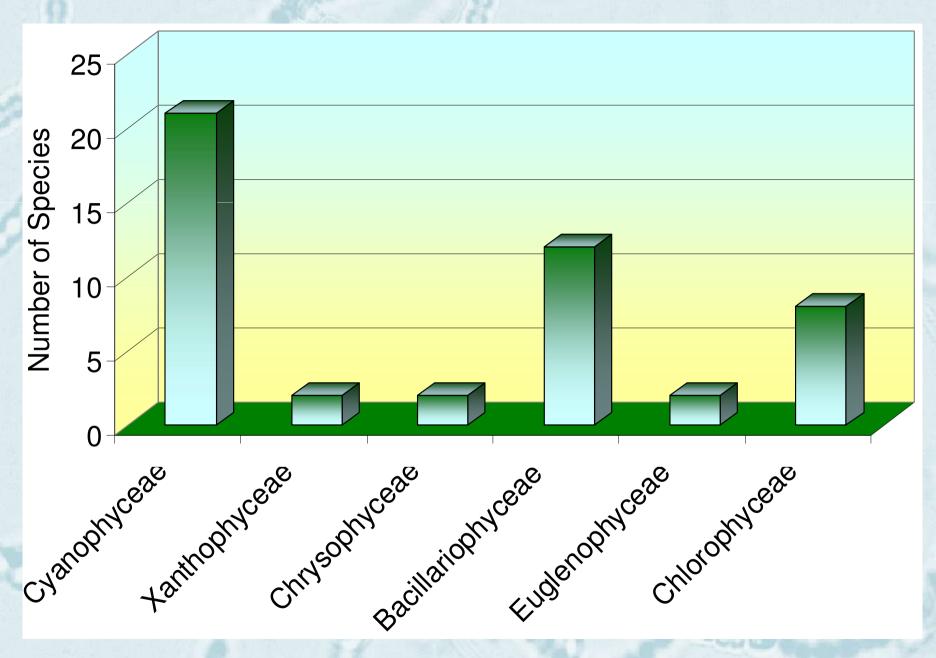




Microalgae growing in Soil Culture, taken soil existing around L. maldivica (J.E.Gmel.) Pres.

Microalgae recorded from Lodoicea maldivica (J.E.Gmel.) Pres. (Double Coconut) in AJCBIBG, Howrah

100	S. No.	Class	Order	Family	Genus	species	subsp.	Var.
	1.	Cyanophyceae	2	3	6	18	0	3
	2.	Xanthophyceae	1	1	1	2	0	0
	3	Chrysophyceae	2	2	2	2	0	0
	4.	Bacillariophyceae	5	7	8	10	1	1
	5.	Euglenophyceae	1	1	1	1	0	1
	6.	Chlorophyceae	3	5	6	8	0	0



Number of Microalgae Recorded from Different Classes

NEW RECORDS FROM INDIA

Name of the Species	Class	Family	Habitat
Monallantus brevicylindrus Pascher	Xanthophyceae	Pleurochloridaceae	Upper part of the tree trunk
Trachelomonas volvocina var. compressa	Euglenophyceae	Euglenaceae	Upper part of the tree trunk
Apistonema expansum Geitler	Chrysophyceae	Phaeothamniaceae	From Leaf Petiole
Synura splendida Korshikov		Synuraceae	Lower Part of the tree trunk and from soil around the tree

MEDICINAL PROPERTY OF ALGAE

Name of Algae	Active Compound / Metabolites	Effect	References		
Phormidium Sulpholipid An tenue Gomont		Anti HIV activity	Gustafson et al., 1989, Falch et al., 1995		
Scytonema ocellatum Lyngbye ex Bornet & Flahault	Phytoalexin	Fungicidal	Patterson and Bolis, 1997		
Oscillatoria tenuis C.Agardh ex Gomont	Antimicrobial compound	Against Staphylococcus aureas, Bacillus subtilis and Micrococcus flavus	Kreitlow et al.,1999		
Chlorella vulgaris Beyerinck (Beijerinck)	Chlorellin	Inhibitory activity against both Gram+ and Gram- bacteria	Pratt et al.,1944		

Epiphytic Algal Flora of AJC Bose IBG, Howrah

- > Surveyed AJCBIBG, Howrah 24 times and samples were collected
- > 656 Numbers of field photographs were taken
- > During the study, 51 number of species were identified
- > Further work is in progress
- > After completion of the work manuscript will be complied

GRANDER TECHNOLOGY

Johann Grander, an Austrian naturalist, created a method of reenergizing the water Bodies.

User Benefits:

- > Inhibit Bacterial Growth
- > Enhanced freshness as a result of altered microbiology
- > Improved quality of the water
- > Degenerate sewage material and improve aquatic environment
- > Able to regenerate biologically dead water bodies

Installation of Grander Unit in Garden Lake

- ➤ Three Grander unit Grander, LWS Double Cylinder Energy Rod Model Brdz (S.No. 82803383, 82803384 and WTV 70059) have been successfully installed in different places of Leram Lake in submerged position by Mr. Kallol Chatterjee, Marin Engineer, Envirotech, 10B Bhabanath Sent Street, Kolkata on 03.01.2017.
- ➤ Before installation water samples were collected in the sterilised bottles and properly sealed and sent in Laboratory for proper analysis of all Physico-chemical and biological parameters.





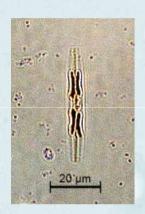




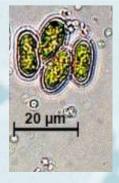
Study of Microalgae and monitoring of the water Quality of Leram Lake of AJCBIBG, Howrah (New)

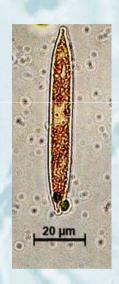
Before installation of Grander Technology Units water samples were collected from Leram Lake to study the Microalgae and after periodic intervals nature of the microalgae will be studied to find out the changes in the aquatic environment of the lake after installation of the Grander Technology units

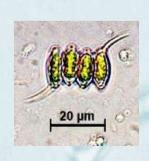
Microalgae from Leram Lake of AJCBIBG

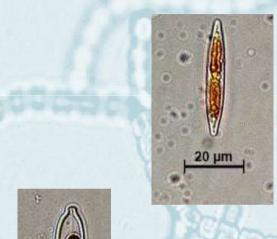


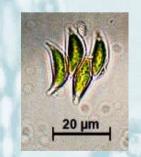


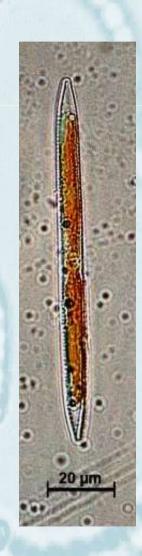






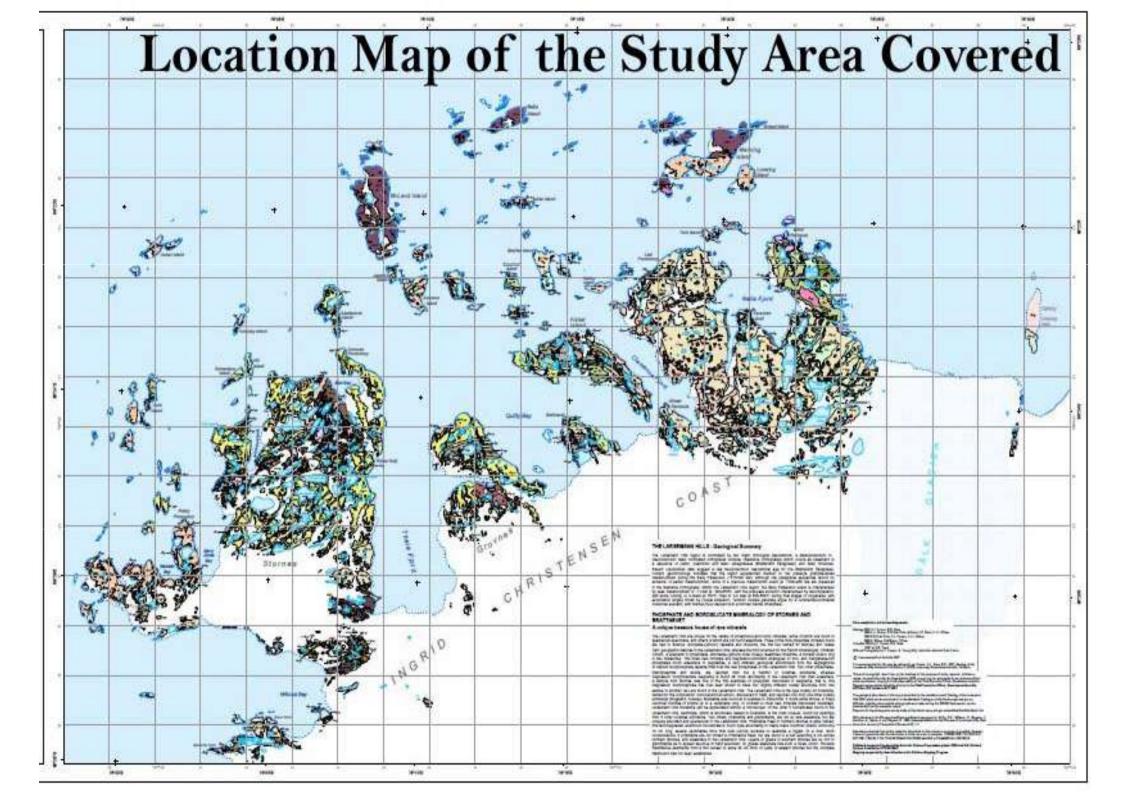






Study of Algal Diversity of Larsemann Hills, Antarctica

- > Covered almost all the area except Stornes Peninsula due to Antarctica Specially Protected Area (ASPA) restriction.
- ➤ During Survey Covered 04 Peninsulas and 07 Islands of Larsemann Hills.
- ➤ The Target was for 40% completion of the survey and collection work during this austral summer. I achieved more than 75% which is much higher than target.
- > Samples received from NCAOR, Goa by courier after returned back to India.
- ➤ Microscopic observation and Identification work is in progress.



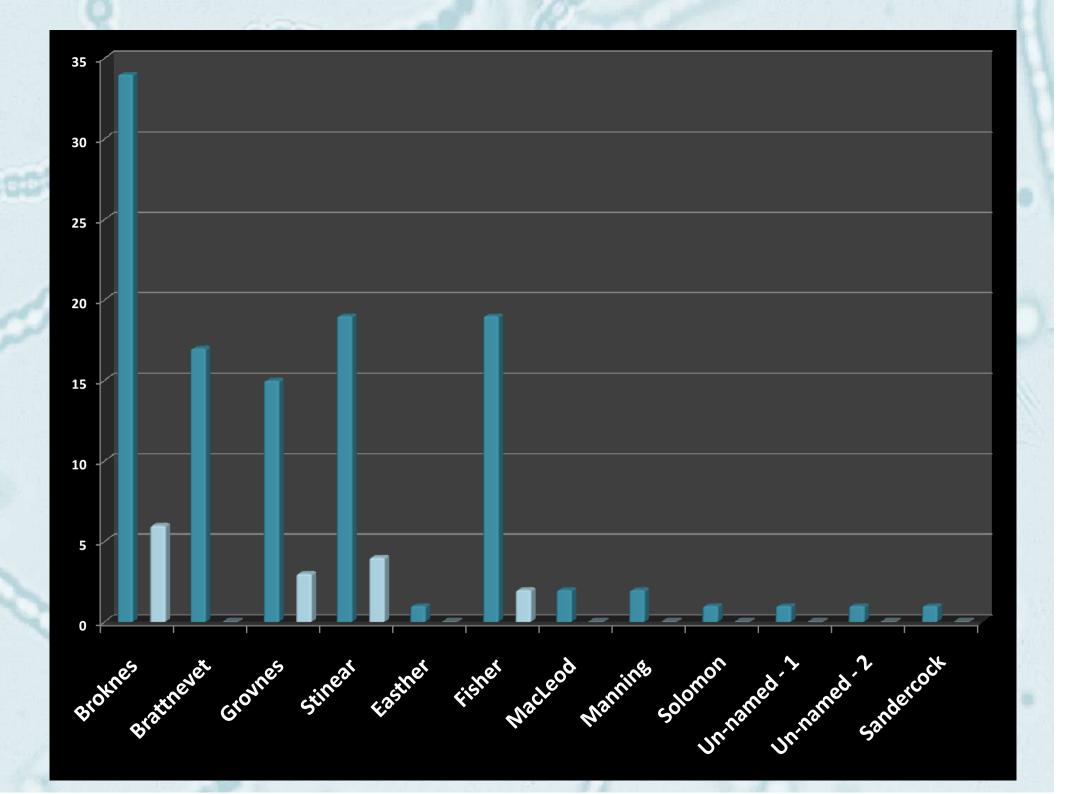
Peninsula and Island Surveyed

Peninsulas

- 1. Broknes
- 2. Brattnevet
- 3. Grovnes
- 4. Stinear

Islands

- 5. Easther Island
- 6. Fisher
- 7. MacLeod
- 8. Manning
- 9. Solomon
- 10.Between Solomon and Breadloaf Island and
- 11. Sandercock Island



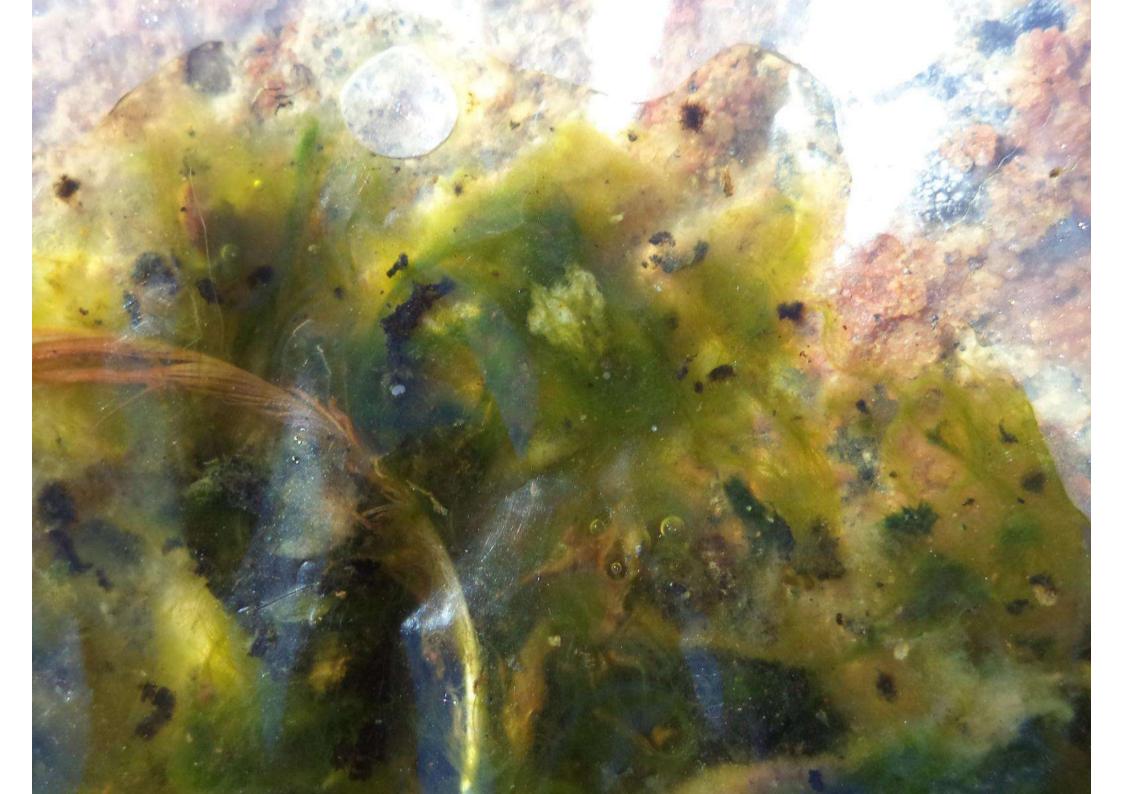
















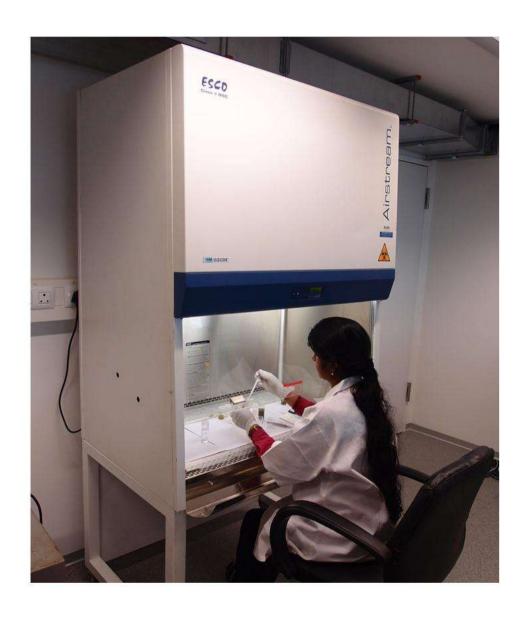


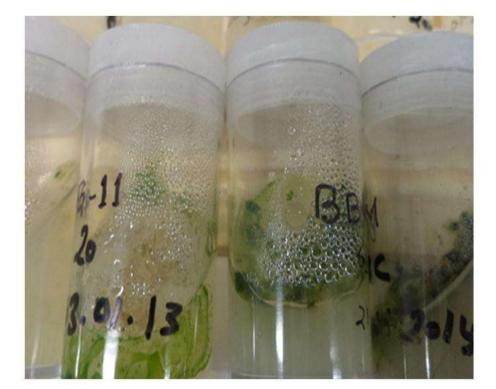






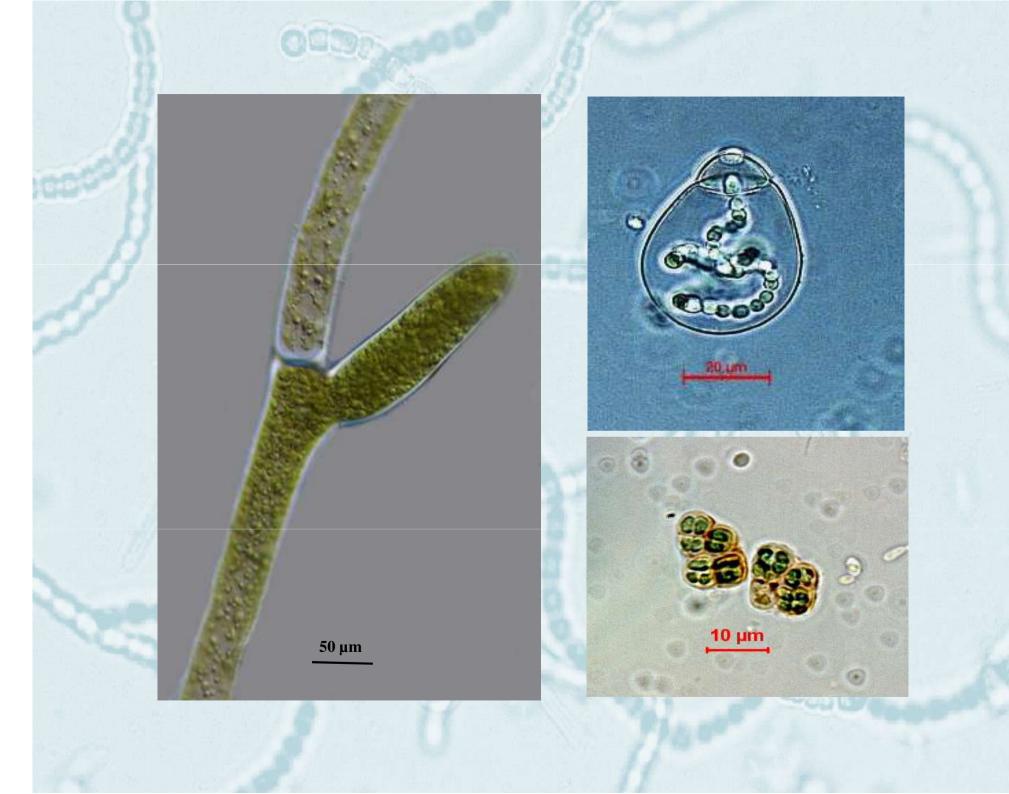


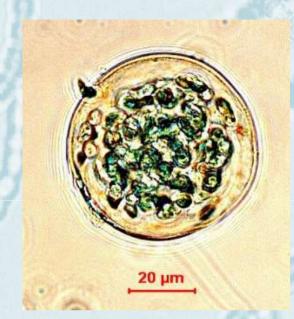


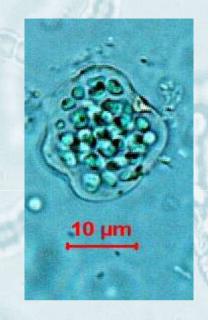




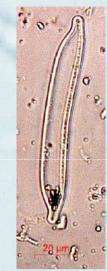


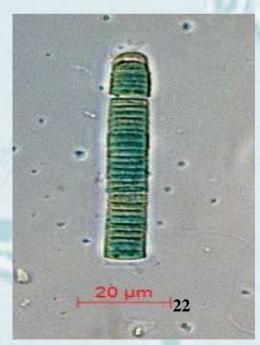


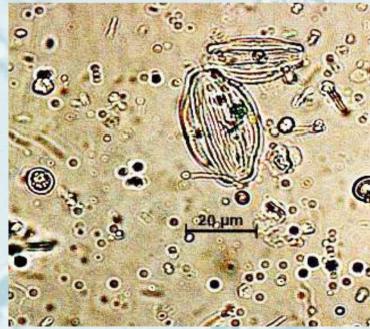


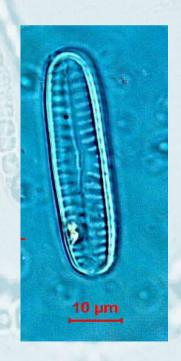






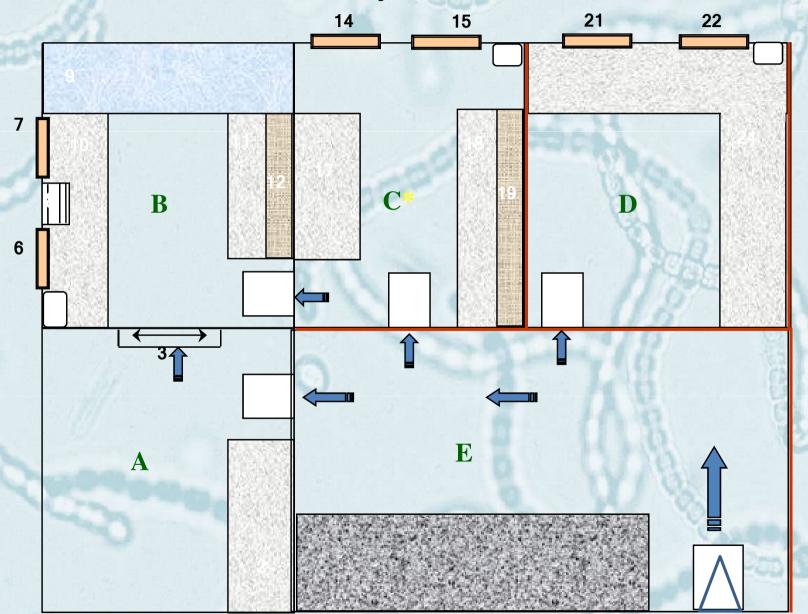




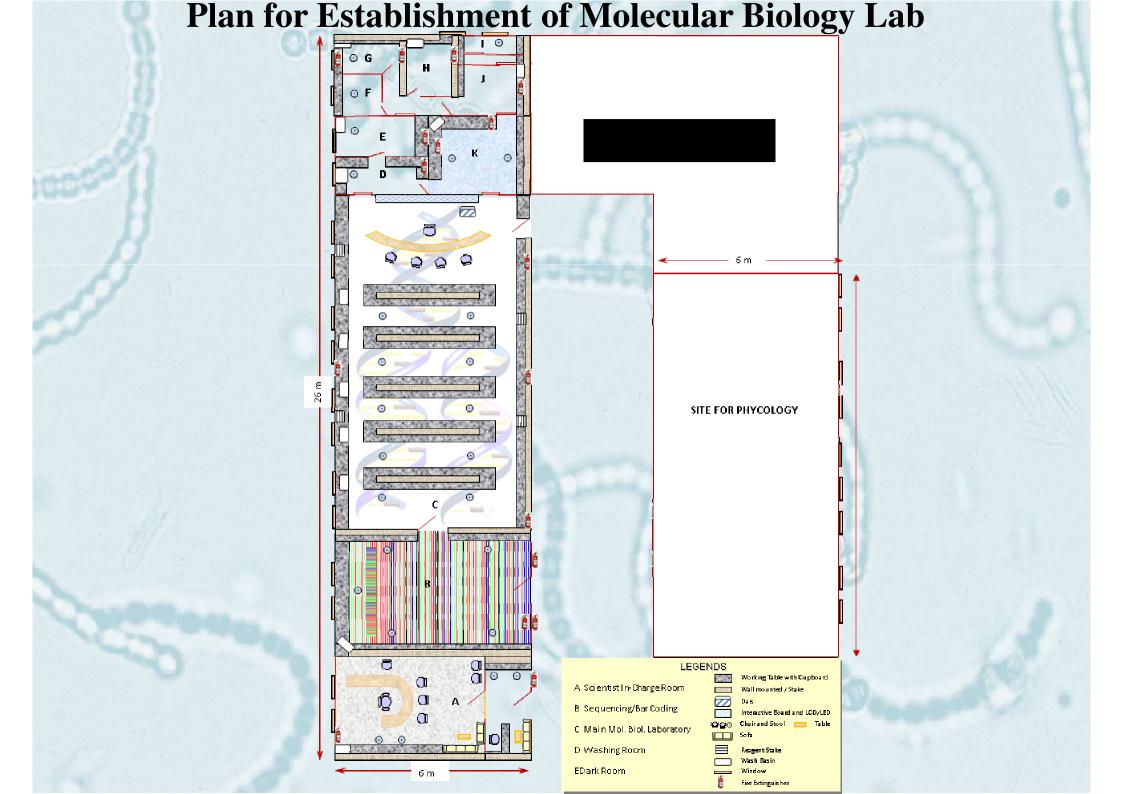




Plan for Establishment of Phycology Section / Unit and Phyco-informatic Centre



- A Existing Room
- B Room for Microscopic Studies
- C Culture Room with Samples
- D Phyco Informatics Centre (PIC)
- E Lobby for Heavy Instruments & Sitting of Staff



Submitted Requirement Plan for Molecular Biology Lab

- > Infrastructure
- > Equipments
- > Other Essential Items / Accessories
- > Experimental Kits,
- > Primers
- > Glass wares,
- > Chemicals,
- > Dyes and Enzymes,
- > Specialized Bioinformatics Databases for consultation for very specific Information about DNA Sequencing
- > Furniture and
- > Minimum Staff required for Molecular Biology Lab

Websites / URL Search for Molecular Studies

Gene Bank

www.nchi.nlm.nih.gov/BLAST

www.ddbj.nig.ac.jp

www.ebi.ac.uk/ena

Specialised Barcoding Database

http://www.cuhk.edu.hk/icmmmdbd.htm

http://www.polarbarcoding.org/

Software for Primer Design:

http:/biotools umassmed.edu/ bioapps/primer3

http://basic.northwestern.edu/biotools/OligoCalc.html

http://bioinformatics.org/sms2/pcr_products.html

Simple Primer Design:

www.ncbi.nlm.nih.gov

Multiple sequence Alignment

ftp://ftp.ebi.ac.uk/pub/software/

ftp://ftp-igbmc.u-strasbg.fr/pub/ClustalX/

Barcode submission in Gene Bank

www.barcoding.si.edu

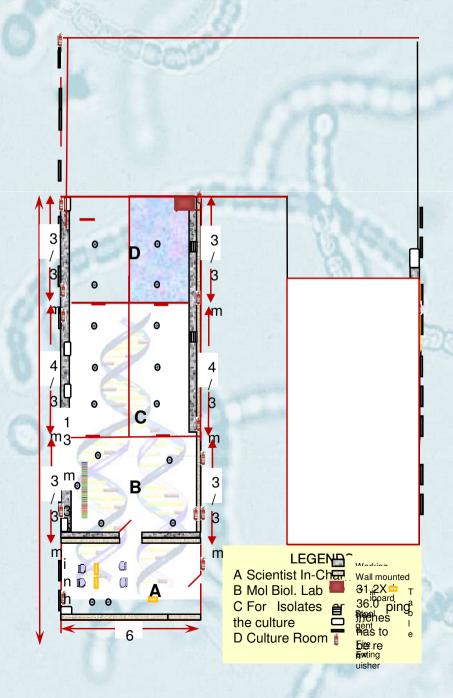
www.ncbi.nlm.nih.gov/WebSub?tool=barcode

PLAN FOR PHYCOLOGY CENTRE (INCLUDING CULTURE FACILITY) SITE FOR MOLECULAR BIOLOGY Wording Table with Cupboard A Stientist In-Charge Room യ്യൂള Chairand Stool 👝 Table B Microscopy and Instruments C Isolation Room Fire Schinguisker D. Incubation Boom

Requirement for Phycology Centre (including Culture Facility)

- > Infrastructure
- > Equipments
- > Other Essential Items / Accessories
- Glass wares
- > Chemicals including Antibiotics
- > Culture Medium (for each group of Algae)
- > Furniture and
- ➤ Minimum Staff required for Phycology Section including Culture facility

PLAN FOR CULTURE AND MOLECULAR BIOLOGY LAB



Initiatives Taken

- Plan for establishment of Culture and Molecular Biology Lab also submitted to In-charge, CNH for CPWD work for establishment of Culture and Molecular Biology Lab on 08th Aug., 2014.
- ➤ Prepared List of Instruments / Equipment's required for Algal Culture and Molecular Biology Lab to be developed in BSI and submitted with full specification and justification of each items on 7th Aug., 2014.
- ➤ Submitted Plan for Electric Fittings Details for Isolation/ Culture and Molecular Biology Lab on 15th Sep., 2014 required for installation of indented instruments in Molecular Biology and Isolation / Culture Lab which is under establishment in 4th Floor.
- ➤ Prepared Layout and submitted along with specification for fixing of Working Plate form with Cupboard, Wall mounted hanging Reagent Rack, Hanging cupboard, etc. required for Algal Culture and Molecular Biology Lab on 22nd Sep., 2014.

Books	Numbers
Published	01
In Press	01
Submitted	01
Prepared	01

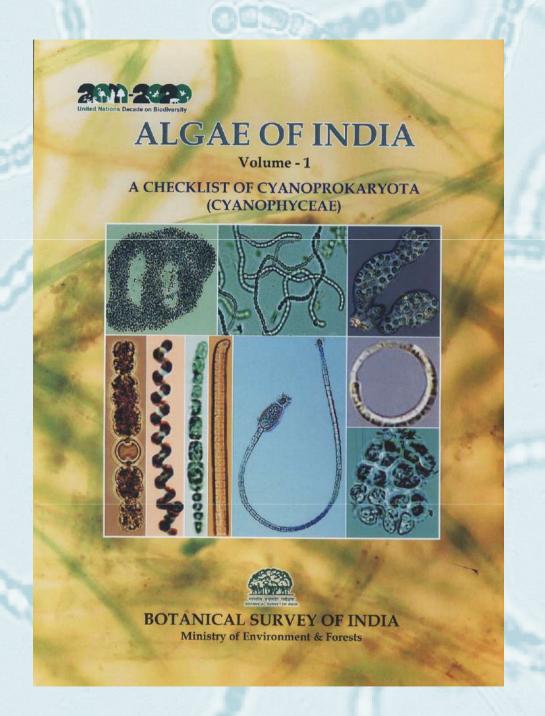
Books Written

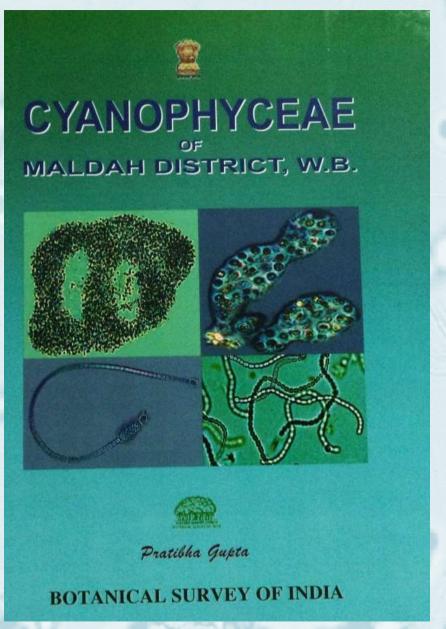
- 1. Algae of India: A Checklist of Cyanoprokaryota (Cyanophyceae) Published
- 2. Cyanophyceae of Maldah District, West Bengal In Press
- 3. Algae of India: A Checklist of Dinophyceae (Dinoflagellates) Submitted
- 4. On Antarctica Expedition entitled "A Journey to Antarctica"

Prepared Booklet: Water and Algae

Chapters in Book:

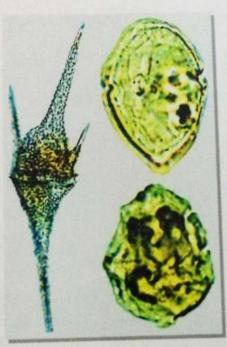
Gupta, Pratibha and Husain, M. M. (2007). Cyanobacterial Toxins - Monitoring and Management. *Pollution Managements*. 1(17): 249 – 290.







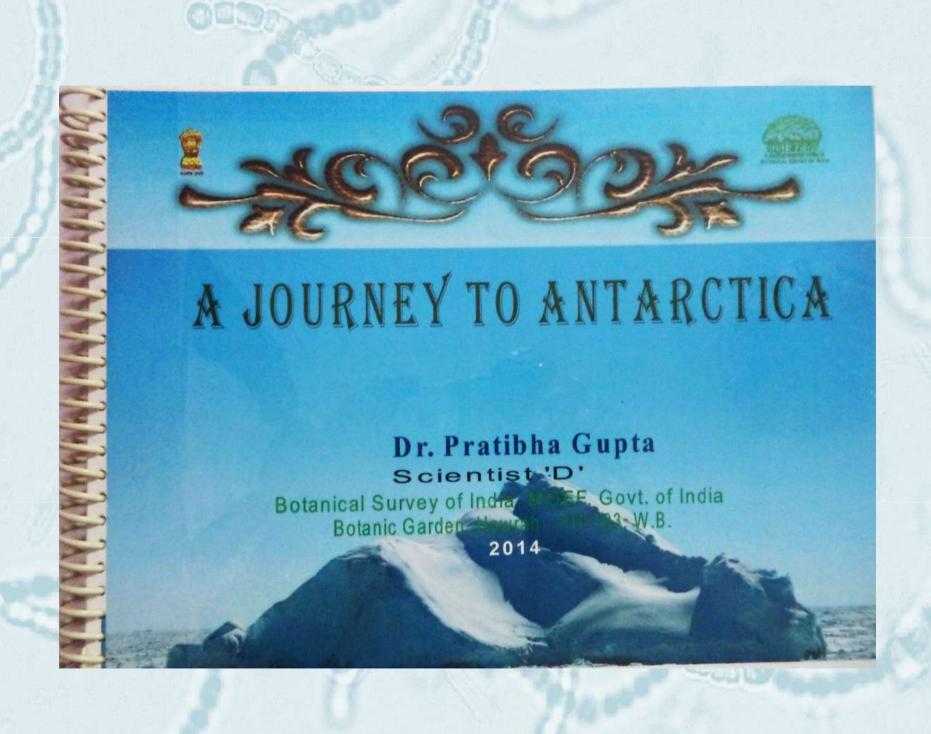
ALGAE OF INDIA A CHECKLIST OF DINOPHYCEAE (Dinoflagellates)





Pratibha Gupta

BOTANICAL SURVEY OF INDIA Ministry of Environment Forests & CC Government of India



Publications

Papers	Numbers
Published	103
Communicated	01
Accepted	-
Review Article	01
Book Chapter (on request)	01
Total	106

Conference / Seminar / Symposium / Sangoshti/ Workshop/ Training Programme Attended and Paper Presented and PPT submitted

Conference Attended:	09
Seminar/ Symposium / Sangoshti Attended:	06
Workshop Attended:	03
Training Programme Attended in India:	06
Training Programme Attended in Antarctica:	01

Contd.....

Paper Presented in Conference/Seminar/ etc.:	
Paper/ Work presented/ lecture delivered other than Conference/Seminar/ etc.	12
Power Point Presentations Prepared and Submitted	08
Invited/ Guest Lectures Delivered:	05

Meeting Attended: 111 + 129 = 240

Lecture Attended: 36

Report Submitted: 281

Demonstration Attended: 17

Project Prepared: 05

Judged Hindi Programme: 16

Judged Sit and Draw Competition: 05

Judged Debate Competition: 02

Editorial and Translation Work Done

Book Edited: 10

Book Translated: 03

Edited Articles: 271

Brochure Edited: 01

Signages Edited: Botanical gallery Signages of the Section and

Subsections of ISIM

BSI Calendar Edited: Calendar of BSI 2011 edited and

translated legends in Hindi of 15

photographs of different species and

sub-species

Translated Abstracts: 05

Book / Projects and Papers Reviewed

Book Reviewed: 01

Paper Reviewed: 05

Project Reviewed: 27

International Journal: Palgo Journal of Medicine

and Medical Sciences

(PJMM)

Science Quiz

Science Quiz Questions Prepared: 350

Videos for Science Quiz submitted: 15

Book Release

Book entitled "Algae of India: A Checklist of Cyanoprokaryota (Cyanophyceae) Vol. I" released on the occasion of International Day of Biological Diversity by Dr. Rajagopalan, Secretar y (E & F), Ministry of **Environment** Forests, Government of India at WWF-Indian

Auditorium, WWF, Ind ia, Lodhi Estate, New Delhi on 22.05.2013.



Felicitation

Received Certificate and Memento for Participation and Research work done during 33rd Indian Scientific Expedition to Antarctica (ISEA) in Debriefing and Felicitation Programme organised by National Centre for Antarctic & Ocean Research (NCAOR), Ministry of Earth Science, Goa on 17.05.2015

Award

Awarded Environmental Science Gold Medal with Citation and Memento for "Outstanding Research & Academic Contribution in the Field of Environmental Sciences" on 17.11.2014 during National Seminar on 'Threats to Biodiversity and Ecosystems: Impacts of Developmental Projects and Climate Change' organised by Department of Zoology & Environmental Science, Gurukul Kangri University, Haridwar. It was nicely covered by local daily newspapers like Hindustan, Amar Ujala, Rashtriya Sahara, Dainik Jan Vani, Jagran of Dehradun / Haridwar and Hindustan Times of Delhi Edition along with my name and Photo. Besides this, the news was also flashed in Kanpur edition of Hindustan, Inext and Dainik Jagran along with photo on 18th and 19th Nov., 2014 News Papers.



Climate change to hit one-third of flora and fauna, say experts

Radhika Nagrath

htdehradun@hindustantimes.com

HARIDWAR: Climate change and developmental projects may affect the flora and fauna of the entire world 35 years from now, said experts at a three-day seminar organised by Gurukul Kangri University here. The seminar -- Threats to Biodiversity and Ecosystems: Impact of Developmental Projects and Climate Change organised by the department of zoology and environmental science began Monday.

UGC professor BD Joshi said scientists have predicted that by 2050, one-third of the flora and fauna would be affected due to climate change and developmental projects.

Chancellor of Gurukul Kangri university Dr Ram



Pratima Gupta receives an award at Gurukul Kangri University for her work on environment conservation.

HT PHOTO

AN INDISCRIMINATE USE
OF PESTICIDES IS
AFFECTING NOT ONLY
THE CROPS BUT ALSO

emission in this connection.

RC Sobti from Lucknow said performing yajnas, worshipping trees and mountains are all ways

जलवायु परिवर्तन से लुप्त

गुरुकुल कांगड़ी विश्वविद्यालय में शुरू हुई तीन दिवसीय जैवविविधता पर खतरा भौतिक विकास एवं जलवायु परिवर्तन विषय पर संगोही

संगोठी में 48 विश्वविद्यालयों, 11 केन्द्रीय विश्वविद्यालयों तथा 16 शोध संस्थाओं के 362 शिक्षाविद, वैज्ञानिक एवं शोधकर्ता ले रहे है भाग

• जनवाणी संवाददाता, हरिवार

वजाने के विकास के जहां अच्छे परिणाम देखने को मिलते हैं वहीं उनके दणरिणामी को भी सामना करना पड़ता है। किसी समय भारत एवं श्रीलंका में धान की अनेक

में जन्त एवं पर्यावरण विज्ञान विभाग की ओर से आयोजित त्रिदिवसीय संगोष्ठी के उदघाटन सत्र को विश्वविद्यालय के कलाधिपति डा.रामप्रकाश पूर्व राज्य सभा सदस्य मुख्य अतिथि के रूप में संबोधित कर रहे थे। जैवविविधता पर खतरा भौतिक विकास एवं जलवाय परिवर्तन विषयक संगोष्टी को संबोधित करते हुए कुलाधिपति ने कहा कि प्राचीन काल में यज्ञ का प्रचलन था, जिस कारण वातावरण पवित्र एवं शद रहता था। पर्यावरण को किसी प्रकार की क्षति नहीं पहंचती थी। जैव-विविधता प्रदयण दर करने में उसी प्रकार महत्वपूर्ण थी और आज भी है। उन्होंने कहा कि खेती में पंजाब सबसे बडा अन्न प्रदाता है लेकिन अत्यधिक खाद के प्रयोग के कारण वहां केंसर की आधकता होती जा रही है। भविष्य को देखते हुए हुमें आज तीय एवं

भौतिक विकास के कारण इनमें कमी आती हमें जन आंदोलन बनाना होगा। आज जा रही है। गुरुकुल कांगडी विश्वविद्यालय खरपतवार समाप्त करने की नहीं अपित गाजर घास खत्म करने के लिए चिंता

विशिष्ट अतिथि डा. भीमराव अंबेडकर विश्वविद्यालय लखनऊ के कलपति हा. आरसी सोबती ने कहा कि आज हम अपनी पहचान भल गए हैं। आधनिक विज्ञान जिस स्थान पर आज खड़ा है हमारे ऋषि मनि उसका अन्वेषण हजारों वर्ष पूर्व कर चुके थे विज्ञान जर्मनी अमेरिका में नहीं अपित भारतीय संस्कृति की धरोहर है। मनोबल वामिंग के कारण आज स्लेशियर समाप्त हो रहे हैं। जिस कारण वर्फ में रहने वाले अनेक जीव प्रजातियां ही नष्ट होती जा कातियां, प्रक्षियों की अनेक प्रजातियां थीं टिकाऊ विकास की आवश्यकता है। हमें रही हैं। विश्वविद्यालय के कलपति द्य किन जलवाय परिवर्गन तथा अंधार्ष्य । ध्यान रखना है कि जैवविधिता बनी रहे इसे कमार ने कहा कि भारत देश जैवविधियता

जित हा रह खत, बोमारियों का भी खतरा 'जैव विविधता पर खतरा, भौतिक विकास एवं जलवायु परिवर्तन' विषय पर सेमीनार जलवायु परिवर्तन' विषय पर सेमीनार

यज्ञीय वातावरण से सुरक्षित था ऋषि चक्रः डा. रामप्रकाश

no ba के प्रमान में के कुलाती हो सुंद कुमर ने कहा कार्यक्रम का संचालन हो. विद्यालयों और 16 सीध संस्थानी हो। सुंद्रक में अर्जिया प्रकृतिक सामार्थनी के आर्थीयक स्थाल जीती ने किया। प्री दिनेश के 362 सिखाविद, वैज्ञानिक और बाद के प्रधान के कामा के देहन में भी दिकात आ स्त्री है। भट्ट ने अतिथियों का स्वागत शोधकर्ता प्रतिभाग कर रहे हैं।

केंसर के मामले समने का रहे चूनतेली के वरिष्ट प्रोफेसर हा

किया, प्रो. विनोद कमार शामी है। कहा विज्ञान जर्मनी मा अमेरिका चोडी जोती ने कहा जलवायु ने सभी का धनाबाद किया। हा के जो अप बल्कि हजार्ग साल परिवर्तन जैसी घटनाएँ प्रतिभा एका को स्वर्ण प्रदक्त दिव का चला हो वह है। पहले समारे ऋषि मुने उनका जैवकिविधान एवं पारिस्थानको तथ गना। कार्पकाम में 48 के लिए बता खत्र धन गई है। विश्वविद्यालयों 1) केंद्री

गुरुकुल कांगडी विश्वविद्यालय में आयोजित से

किया, प्रो. विनोद कुमार राम ने सभी का धन्यवाद किया। डा. प्रतिभा गप्ता को स्वर्ण पदक दिया विद्यालयों और 16 शोध संस्थानों होने चहिए। (ii) अनुभव प्रमाण पत्र के 362 शिक्षाविद, वैज्ञानिक और शोधकर्ता प्रतिभाग कर रहे हैं।

में भाग लेते लोग।

शब्दि पः

जनता उ.मा.वि. सिलचम पिथीराग 48 06 नवंबर 2014 को प्रकाशित विज्ञी क्रम 3 में (i) आवेदन पत्र के साथ सा प्रशिक्षण प्रमाण पत्र राजपत्रित अधिकार खंड शिधा अधिकारी द्वारा प्रतिहस्तार्था धीरेन्द्र सिंह चीह

जनता उ.मा.वि. सिलच

हो रही पक्षियों की प्रजातियां



गुरुकुल कांगड़ी विश्वविद्यालय में शुक्ष हुए नेशनल सेमिनार में मंदासीन अतिथि।

वसं विभिन्न प्रकार के पारिस्थितिको तंत्रों स जलवाय परिवर्तन जैसी घटनाएं का देश है। वहीं, प्राकृतिक संसाधनों का जैवविविधता एवं पारिस्थितिको तंत्र के दोहन भी हमारे देश में बहतायत से हो रहा ि लिए एक बहुत बड़ा खतरा बन गई है। है।विषयवस्तु पर प्रकाश डालते हुए यूजीसी कार्यक्रम को प्रो. एके सक्सेना, प्रो. बीएन के वरिष्ठ प्रोफेसर डा. बीडी जोशी ने बताया पाण्डेय ने भी संबोधित किया। प्रो. विनोद कि जब पर्यावरण के साथ संतुलन नहीं है । शर्मा कुलसचिव ने धन्यवाद दिया। प्रो. प्रोफेसर एवं वैज्ञानिक इसमें भाग ले रहे हैं।

टिनेश भप्त ने सभी का स्वागत किया। कार्यक्रम का संचालन प्रो. प्रकाश जोशी ने किया। कार्यक्रम में डा. प्रतिभा गप्ता आदि अनेक वैज्ञानिकों को स्वर्ण एवं रजत पटक प्रदान किए गए। इस संगोध्डी में 48 विश्वविद्यालयों 11 केन्द्रीय विश्वविद्यालयों तथा 16 विभिन्न शोध संस्थाओं के 362 शिक्षाबिद, वैज्ञानिक एवं शोधकर्ता भाग ले रहे हैं। जिनमें प्रमुख रूप से डीबीटी वे सलाहाकार प्रो. ए. निनावे, भारत सरकार मे ही सलाहाकार प्रो. वीसी झा, कोल्ड वॉटर फिशरिज के निदेशक हा. एके सिंह औरंगाबाद से प्रो.जीके कुलकर्णी, कर्नाटका विश्वविद्यालय के कुलपति प्रो. बीबी कालीवाल, आसाम से प्रो. वसी गीस्वामी लखनऊसे एसपी त्रिवेदी एवं एके शर्मा फैजाबाद से जीसी पाण्डेय, जम्मू से केके शर्मा, श्रीनगर गढवाल से प्रो. आरसी शर्मा कश्मीर से प्रो. एनए यनाई सहित कई वरिष्ठ





कानपुर की डॉ. प्रतिमा को मिला गोल्ड मेडल

» हरचार से पान रही 25वी आन इंडिया जुनों कान्त लाहरू के लेक्स दिएमा ग्राम समझाति।

अटाव्याक में बिक्स दिखाई वर्क

मंगलवार, १८ नवम्बर २०१४



डॉ. प्रतिभा गुप्ता को किया गया सम्मानित

कानपुर। सिविल लाइन्स निवासी भारतीय वनस्पति संस्थान कोलकाता की डिप्टी डायरेक्टर डॉ. प्रतिभा गुप्ता को पर्यावरण क्षेत्र में विशेष योगदान के लिए जुलॉजिकल सोसाइटी ऑफ इंडिया की ओर से स्वर्ण पदक देकर उनको सम्मानित किया गया है। डॉ. गुप्ता वर्तमान में अंदार्टिका में शोध कार्य करके वापस लौटी है। डॉ. गप्ता ने भारतीय वनस्पति सर्वेक्षण संस्थान के कई प्रोजेक्ट में योगदान दिया है।

को मिला स्वर्णपदक पर्यावरण के क्षेत्र में महत्वपूर्ण योगदान देने वाली

एक नजर

डॉ. प्रतिभा गुप्ता को गुरुकुल कांगड़ी विश्वविद्यालय हरिद्वार में हुई '25वीं ऑल इंडिया जलॉजिकल कांग्रेस' में स्वर्ण पदक से नवाजा गया। क्राइस्ट चर्च डिग्री कॉलेज से एमएससी व पीएचडी की पढाई पुरी करने वाली डॉ. गुप्ता वर्तमान में भारतीय वनस्पति सर्वेक्षण कोलकाता में डिप्टी डायरेक्टर के पद पर कार्यरत हैं।

पर्यावरण के क्षेत्र में निखरी 'प्रतिभा

कानपुर, 19 नवंबर 2014 देविक जागरण |

ADMINISTRATIVE

As In-Charge of Ecology Section discharged all routine duties from 09.07.2001 to 19.07.2015. In between worked as head of the Office of CBL and BSI HQ on following Dates:

CBL:

From 5th Oct. to 7th Oct., 2010 (Order no. BSI-44/1/2009 - Adm. dtd. 4th Oct., 2010).

Headquarter:

On 18.04.2011 (Order no. BSI-44/2/2009-Adm. dtd. 13.04.2011).

From 13.12.2011 to 26.12.2011(order No. BSI-44/2/2009-Adm. dtd. 12.12.2011).

From 10.11.2014 to 12.11.2014 (Order no. BSI - 44/2/2012-Adm. dtd. 10.11.2014).

From 02.06.2015 to 05.06.2015 (Order no. BSI - 44/2/2012-Adm. dtd. 27.05.2015).

ISIM:

Joined ISIM on 20.07.2015 (Order no. BSI - 80/5/2015- Estt. dtd. 26.06.2015), and taken charge as In-charge of ISIM and discharged all routine Administrative duties as HOO. On 25.10.2016 Handed over the change of the HOO of ISIM.

Membership

- ➤ Life Member of International Society of Environmental Botanists, Scientific Member of International Union of Biological Sciences (IUBS), Lucknow.
- ➤ Life Member of the Indian Science Congress Association (ISCA), Kolkata.
- > Conferred Life membership of the Administrative Staff College of India (ASCI), Hyderabad.
- > Life Member of Vigyan Parishad, Lucknow, U.P.
- ➤ Life Member of Member of Zoological Society of India.

Future Plan

- > Study of Algal Diversity of Laremann Hills Antarctica will be completed
- > Epiphytic Algal Flora of AJC Bose IBG, Howrah
- > Study of Microalgae and monitoring of the water Quality of Leram Lake of AJCBIBG, Howrah (New)

