

## SHRI RAMASAMY MEMORIAL UNIVERSITY SIKKIM

### Workshop on “Methodology of Lichen Identification and Herbarium Preparation”

#### Resource Persons:

1. Dr. G.P. Sinha, Scientist F and Head of Office, Botanical Survey of India, Central Regional Centre, Allahabad.
2. Dr. Rajib Gogoi, Scientist E and Head of Office, Botanical Survey of India, Sikkim Himalayan Regional Centre, Gangtok.

Venue: Science Block (Room No. 403), SRM University Sikkim, Tadong, Gangtok

Date: 27-28<sup>th</sup> February, 2020

*Jointly Organized by:*

Department of Chemistry & Department of Botany  
SRM University Sikkim

**Day 1, Date: 27.02.2020**

10:00-10:10	Welcome address and introduction of resource persons by Dr. Govind Pratap Singh, Associate Dean, Faculty of Sciences
10:10-10:15	Felicitating the dignitaries
10:15-10:25	Address by Prof. Ch. Satish Kumar, Honorable Vice Chancellor, SRM University Sikkim
10:25-10:30	Thanks giving by Dr. Anand Sharma, HOD, Department of Botany, followed by photo session
10:30-10:40	Tea Break
10:40-11:40	Lecture by Dr. Rajib Gogoi <b>Topic: Biodiversity in the North Eastern part of India</b>
11:40-11:50	Interaction with the students
11:50-12:50	Lecture by Dr. G. P. Sinha <b>Topic: Collection, Preservation and Identification of Lichens</b>
12:50-1:00	Interaction with the students
1:00-2:00	Lunch Break
2:00-3:00	Lecture by Dr. G.P. Sinha <b>Topic: Lichen Herbarium Methodologies</b>
3:00-3:10	Interaction with the students

**Day 2, Date: 28.02.2020**

10:00-1:00	Field training of the students
1:00-2:30	Lunch Break
2:30-2:40	Summary presentation of the workshop by Dr. Govind Pratap Singh, Associate Dean, Faculty of Sciences
2:40-2:50	Felicitation Program
2:50-3:00	Vote of Thanks by Dr. Anand Sharma, Head, Department of Botany



## **SHRI RAMASAMY MEMORIAL UNIVERSITY SIKKIM**

**Workshop On “Methodology of Lichen Identification & Herbarium Preparation”**

### **Resource Persons:**

- 1. Dr. G.P. Sinha, Scientist F and Head of Office, Botanical Survey of India, Allahabad.**
- 2. Dr. Rajib Gogoi, Scientist E and Head of Office, Botanical Survey of India, Gangtok.**

*Jointly organized by:*

**Department of Chemistry & Department of Botany  
SRM University Sikkim**

**Venue: SRM University Sikkim  
Science Block,  
Tadong, Gangtok**

**Date: 27-28<sup>th</sup> February, 2020**

# SRM University workshop on 'Methodology of Lichen Identification...'

## SE Report

GANGTOK, March 2: The Chemistry and Botany departments of SRM University Sikkim jointly organized a two-day workshop on the 'Methodology of Lichen Identification and Herbarium Preparation' on February 27 and 28.

Dr. G.P. Sinha, head of office, Botanical Survey of India, Allahabad, was the resource person. Dr. Rajib Gogoi, head of office, Botanical Survey of India, Gangtok, was also invited for the inaugural session, informs a press release.

While addressing the gathering, Prof. Ch. Satish



Kumar, the vice chancellor of the university, stressed on how the study of lichens is new in the region and can grow.

“Meaningful research can happen only when different departments engage in a multi-disciplinary approach,” said the vice chancellor. Dr. Govind Pratap Singh, associate dean of Faculty of Sciences, in his introductory speech, stated that this particular lecture was an initiation

of the lecture series in the field of sciences to inculcate a research environment in the university.

Dr. Gogoi also delivered a lecture on 'Biodiversity in the North Eastern Part of India.' The workshop was followed by a field visit to demonstrate the practical aspects of lichen identification, collection and classification, the release mentions.

### Summary of Research publications and Research experience of Dr. G.P. Sinha, Scientist F

Dr. G.P. Sinha, born in 1960 in Bihar, is associated with Botanical Survey of India since June 1984: joined as JRF under Flora of India Project in 1984, worked as Junior Scientific Assistant, Botanist, Scientist C, D, E and presently continuing as Scientist F (earlier known as Additional Director) & Head of Office at Central Regional Centre, Allahabad. In between he also worked with Dr. Ajai Singh, Retd. Scientist, NBRI at NRLC, Lucknow for a period of one year during 1990-1991. During the course, Dr. Sinha is associated with the discovery of 47 new species; 162 new records of Lichens for India; published 08 books (6 on lichens and 2 edited books on higher plants) and 173 scientific papers on lichens and higher plants in peer reviewed foreign and national Journals and as Book chapters; jointly edited a Book entitled Flora of Uttar Pradesh, Vol.- I (2016), is life member of Palaeobotanical Society, Lucknow, Association for Plant Taxonomy and Lichenological Society of India, Lucknow; possess over 35 years experience in the field of lichenology; completed the research projects entitled Lichen Flora of Nagaland, Macrolichens of Sikkim, Lichen Flora of Sundarbans Biosphere Reserve, Flora of Mizoram, Vol. -II, Checklist of Indian Lichens, Flora of Uttar Pradesh (Vol 1 & II: selected families), Lichen Flora of Assam; Revision of family Roccellaceae s.l. in India, Floristic diversity of Alwara wetland, Kaushambi, U.P., Flora of Chhattisgarh (Vol. II: fam. Orchidaceae), undertaken over 40 survey cum exploration tours in different localities of Nagaland, Manipur, Meghalaya, Arunachal Pradesh, Sikkim, Assam, Himachal Pradesh, Karnataka, Rajasthan, Gujarat, Uttar Pradesh, Madhya Pradesh and Chhattisgarh; collected and identified over 8000 specimens of Lichens and *ca* 7000 specimens of higher plants. Presently he is engaged in editing of Flora of Uttar Pradesh, Vol. II and Flora of Chhattisgarh, Vol. II.

**BIODATA**Name: **RAJIB GOGOI**, Ph.D

Present Address:

**Botanical Survey of India  
Central National Herbarium  
P.O. Botanic Garden, Howrah-711103  
West Bengal**

e-mail: [rajibdzuko@gmail.com](mailto:rajibdzuko@gmail.com)  
[rajibbsi@yahoo.co.in](mailto:rajibbsi@yahoo.co.in)

+91 9432573826 (M)

Date of Birth: 31.01.1975

Nationality: INDIAN

Post held presently: **Scientist-E & Head**

**Botanical Survey of India (MoEF & CC), Sikkim Himalaya  
Regional Centre, Gangtok, Sikkim**

Educational qualification:

2003-2007

**Ph.D.**Specialization: **Higher Plant Taxonomy**

Title of Thesis: '*Macrophytic Diversity of Deepar Beel with special  
reference to Seasonal variation.*

**TAXA DISCOVERED/ New to Science**

1. *Impatiens albopetala* Gogoi & Borah 2. *Impatiens dibangensis* Gogoi & Borah
3. *Impatiens rugosipetala* Gogoi & Borah 4. *Impatiens tatoensis* Gogoi & W.Adamowski 5. *Impatiens zironiana* Gogoi, Hareesh & W.Adamowski 6. *Impatiens pseudocitrina* Hareesh, M.Sabu & Gogoi 7) *Impatiens pseudolaevigata* Gogoi, B.B.T.Tham & Lidén 8) *Impatiens arunachalensis* Hareesh, A.Joe, M.Sabu & R.Gogoi 9) *Impatiens trigonopteris* Hook.f. ex Arisdason & Gogoi, sp. nov. 10) *Impatiens dorjeekhandui* Chowlu, S. S. Dash & Gogoi 11) *Impatiens adamowskiana* Gogoi & Borah 12) *Impatiens pathakiana* Gogoi & Borah 13) *Impatiens dalaiensis* Gogoi & Borah 14) *Impatiens ashihoi* Gogoi & Borah 15) *Colocasia boyceana* R. Gogoi & S. Borah 16) *Colocasia dibangensis* R. Gogoi & S. Borah 17) *Musa markkui* R. Gogoi & S. Borah 18) *Musa puspajaliae* R. Gogoi & Hakkinen 19) *Musa argentii* Gogoi & Borah 20) *Musa kamengensis* R. Gogoi & Hakkinen 21) *Impatiens lohitisensis* R. Gogoi & S. Borah 22) *Crawfurdia arunachalensis* S. S. Dash, R. Gogoi & A. A. Mao

**New additions for flora of INDIA**

1. *Impatiens duclouxii* Hook. f. 2) *Impatiens cyclosepala* Hook. f. ex W.W. Sm 3) *Impatiens recticalcarata* S. Akiyama 4) *Impatiens parkinsonii* C.E.C. Fisch. 5) *Impatiens fugongensis* K.M.Liu & Y.Y.Cong (Balsaminaceae) 6) *Impatiens xanthina* H. F. Comber (Balsaminaceae) 7) *Impatiens toppinii* Dunn (Balsaminaceae) 8) *Colocasia lihengiae* C. L. Long & K. M. Liu 9) *Arisaema bannaense* H. Li 10) *Arisaema linyunense* H. Li 11) *Rhododendron hylaeum* Balf.f. & Farrer. 12) *Musa nagensium* var. *hongii* Hakkinen 13) *Impatiens siculifer* Hook.f. 14) *Impatiens xanthina* H.F. Comber 15) *Impatiens fugongensis* K. M. Liu & Y. Y. Cong 16) *Tricarpelaema chinense* D.Y. Hong

**REDISCOVERY**

1. *Impatiens parkinsonii* C.E.C. Fisch. 2) *Impatiens khasiana* Hook.f. 3) *Impatiens kingii* Hook.f.  
4) *Impatiens gamblei* Hook.f. 5) *Impatiens hobsonii* Hook.f.  
*Impatiens sikkimensis* Govaerts & Chakrab. 6) *Rhododendron wattii* Cowan  
*Justicia anfractuosa* C.B. Clarke 7) *Impatiens laevigata* var. *grandifolia* Hook.f.

#### AWARDED

1. **Prestigious SCHLICH prize** for the year 2009 for Best Research Paper published in **The Indian Forester** for the article -**STATUS AND DISTRIBUTION PATTERN OF RHODODENDRON SPECIES IN TEMPERATE AND SUB ALPINE HILL RANGE OF MOUNT ESII AND SURROUNDING, MANIPUR AND NAGALAND, INDIA, *The Indian Forester*. 135 (7): 880-890, 2009.**

#### ONGOING PROJECTS

1. **TAXONOMIC REVISION OF *IMPATIENS* L. (BALSAMINACEAE) OF SIKKIM & DARJEELING HIMALAYAS (2017-2020).**

#### COMPLETED PROJECTS:

1. **STUDY OF *IMPATIENS* L. (BALSAMINACEAE) OF ARUNACHAL PRADESH (2014-2017).**
2. Selected families for **FLORA OF BIHAR & JHARKHAND (2015-2017)**
3. **"RAPID ENVIRONMENTAL IMPACT ASSESSMENT IN RABINADRA SAROBAR LAKE"** vide Vide D/BSI order No. CNH/Tech.2016-17, dated 17.01.2017 on the basis of O.A.136/2016/EZ of The Hon'ble National Green Tribunal, Eastern zone bench, Kolkata.
4. **FLORA OF ANJAW DISTRICT, Arunachal Pradesh (2010-2013).**
5. **FLORA OF MANIPUR vol. III (Monocots of Manipur excluding Orchidaceae) (2009-2011)**
6. **FLORA OF MANIPUR vol. II (2007-2009)**
7. **FLORA OF DZUKO VALLEY AND SURROUNDING HILLS AT THE BORDER OF NAGALAND AND MANIPUR (2006-2008).**

#### LIFE MEMBER OF SCIENTIFIC JOURNALS

1. ETHNOBOTANY- Journal of the Society of Ethnobotanist.

#### TRAINING

1. Participated in the **"One week long intensive Botanical Latin Course"** held at Southern Regional Centre, Botanical Survey of India, Coimbatore w. e. f. 1<sup>7</sup><sup>th</sup> to 24<sup>th</sup> January, 2011
2. Attended **IT training programme** for the Officials of Ministry of Environment and Forests(MoEF) under the e-Governance Project **"ENVISION"** of MoEF at Shillong w.e.f. 24.08.2009-28.08.2009.
3. Participated **NATIONAL CAPACITY BUILDING IN PLANT TAXONOMY** organized by MoEF at BSI, ERC, Shillong w.e.f. 03.11.2008-15.11.2008.
4. Successfully completed Hindi Prabudh, Praveen & Pragya, under the scheme of Raj Bhasa of Ministry of Home affairs, Govt of India (2005-2007).

#### REFeree FOR SCIENTIFIC JOURNALS:

A regular referee for many journals like: **PHYTOTAXA, NORDIC JOURNAL OF BOTANY, TAIWANIA, TELOPEA, JOURNAL OF CAVE AND KARST STUDIES, JOURNAL OF THE**

GEOLOGICAL SOCIETY OF INDIA, INTERNATIONAL JOURNAL OF EARTH SCIENCE AND ENGINEERING, THE PALAEOBOTANIST, QUATERNARY INTERNATIONAL, CHECKLIST.

RESEARCH PUBLICATIONS

A. BOOK PUBLISHED: (2 BOOKS)

1. GOGOI, R., S. BORAH, S.S. DASH, P. SINGH. 2018. *BALSAMS OF EASTERN HIMALAYA- A REGIONAL REVISION*. Botanical Survey of India, Kolkata. pp 1-210.
2. MAO, A.A. & R. GOGOI. 2016. *FLORA OF DZIIKO/DZUKOU VALLEY*, Botanical Survey of India, Kolkata. pp.1-283.

A. PLANT TAXONOMY, FLORISTIC DIVERSITY AND CONSERVATION (100 publications)

PAPERS COMMUNICATED (2 PAPERS)

1. GOGOI, R., U. TIWARI, S. BORAH & B.B.T. THAM, *Impatiens duclouxii* Hook. f. a new addition to flora of India from Arunachal Pradesh communicated to *JoTT*.
2. DEORI, C., B. B. T. THAM, S. R. TALUKDAR, W. ADAMOWSKI & R. GOGOI, Lectotypification of *Impatiens acuminata* Benth. ex Hook.f. & Thomson and notes on its geographical distribution
3. GOGOI, R., S. BORAH & A. KUMAR, Flower colour polymorphism in genus *Impatiens* L.(Balsaminaceae) submitted to ENVIS News letter.

HINDI ARTICLE PUBLISHED

1. GOGOI, RAJIB & SUSHIL KUMAR SINGH 2009. Bharat Ke Cymbidium ki Prajatiyou ka upayog abam sanrakshan. *Vanaspati Vani* 18: 85-87.
2. GOGOI, RAJIB & RANJIT DOIMARI, 2007. Asamke Kom Gyata Dos Sakya Podhe, *Vanaspati Vani* 16 : 54-56.

SYMPOSIA/SEMINAR/WORKSHOPS ATTENDED/LECTURE DELIVERED:

1. Delivered a talk in AJCB College, Kolkata on 11.01.2018 on "Phytodiversity of NE India".
2. Delivered a talk in Calcutta University, Kolkata on 05.03.2018 on "*Impatiens* L.(Balsaminaceae : Wild Balsams) of Eastern Himalaya" on Workshop on Angiospermic plants organised by Department of Botany, Calcutta University.
3. Delivered an invited lecture in Bethune College, Kolkata on "An overview of Phytodiversity of North-east india-a plant hunter's experience" on 07.03.2018 in National Seminar organised by Department of Botany, Bethune College.
4. Delivered lecture on "Phytodiversity of NE India" on 18.08.2017 for JPF of Flora of India Project of BSI, at CNH.



5. Delivered a lecture on **“Impatiens of Eastern Himalaya”** at BSI, ERC, Shillong on 14.11.2011.
6. Delivered lecture on **“How we conduct plant exploration tours”** on 19.09.2017 to JPF of Flora of India Project of BSI, at CNH.
7. Delivered lecture on **“Impatiens of NE India”** on 20.07.2017 for JPF of Flora of India Project of BSI, at CNH.
8. Delivered a talk on **“Biodiversity and Sustainable Tourism-case study from Northeast India, a global biodiversity hotspot”** at Central National Herbarium, BSI on 22.05.2016 for the occasion of International Biodiversity Day.
9. Delivered a lecture on **“Wild Bananas of Northeast India-diversity and economic potentiality”** in CNH on the occasion of International Biodiversity Day on 22.05.2016.
10. Delivered a lecture on **“An overview of Phytodiversity of NE India-a plant hunter’s experience”** in AJCB College, Kolkata on 23.05.2016 in the event of One day State level UGC Seminar.
11. Delivered one Lecture on **“Biodiversity of NE India”** on 10.11.2016 at Pub-Kamrup College, Baihata Chariali, Assam.
12. Participated in Capacity Building Workshop on – **“Long Term monitoring of Himalayan Biodiversity for stakeholders of Himalayan Region”** organized by BSI, ZSI and G.B. Pant Institute of Himalayan Environment & Sustainable Development at Gangtok on 29<sup>th</sup> March 2017.
13. Delivered a lecture as **“Master Resource Person”** at Assam Science Technology & Environment Council (Govt. of Assam), Guwahati, Assam on **“Plant Exploration and Herbarium Methodology”** on 04.09.2014.


(Rajib Gogoi)

**CIRCULAR**  
**Department of Botany**

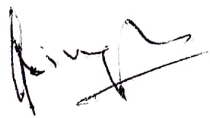
Urgent meeting has been planned on 25.02.2020 at 10.00 am at Botany and Zoology department staff room for upcoming workshop on Lichens.

**Agenda of a meeting**

1. Receiving the resource person for the lecture event.
2. Accommodation of guests.
3. Distribution of work for the workshop event (Anchoring, files, seating arrangement, decoration, foods, bus services etc.).
4. Ensuring all the students should be present during the lecture session.



HOD, Department of Botany  
H.O.D.  
Department of Botany  
SRM University Sikkim



Associate Dean,  
School of Basic Sciences  
SRM University Sikkim

## Minutes of Meeting

The meeting was chaired by Dr. Govind Pratap Singh Associate Dean, School of Basic sciences. The agenda discussed in the meeting is related to the upcoming workshop jointly organised by Department of Chemistry and Department of Botany, SRM University Sikkim.

The outcome of the meeting are as follows:

1. Accommodation of guests will be handled by Associate Dean, School of Basic Sciences. Since, resource person is coming with his daughter. So, on 25<sup>th</sup> February 2020, Associate Dean, Basic Sciences and HOD, Botany will visit hostel to ensure proper accommodation for the guests.
2. Resource person along with his daughter will reach NJP by 26<sup>th</sup> February 2020 morning and he will be picked by a hired vehicle.
3. The guest will be received by Dr. Biswajit Bose and Miss. Abhirami Raja from the University side at around 12:30 pm. Both of them will take them to the University Hostel.
4. The responsibility of the files, bouquet was given to Dr. Anand Sharma, HOD, Botany.
5. The anchoring the session will be done by Mrs. Samjetsabam Bharati Devi, Assistant Professor, Botany.
6. The decoration and seating arrangement responsibility has been assigned to Dr. Anup Gurung and Dr. Dev Kumar, Assistant Professors, Department of Chemistry along with lab assistants of Botany and Chemistry.
7. Responsibility of bus service for the students is given to Ms. Abhirami Raja.

Date: 25.02.2020

Time: 10:00-10:30 am

Venue: Department of Botany and Zoology Staff room

Chairperson: Dr. Govind Pratap Singh, Associate Dean, School of Basic Sciences

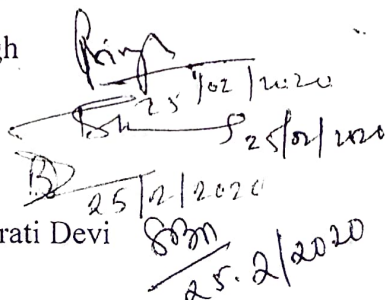
Members in attendance:

Dr. Govind Pratap Singh

Dr. Anand Sharma

Dr. Biswajit Bose

Mrs. Samjetsabam Bharati Devi

  
Pratap  
25/2/2020  
Anand  
25/2/2020  
Bose  
25/2/2020  
Samjetsabam  
25.2/2020

**News published today - 10.09.19**

1 message

Tue, Sep 10, 2019 at 9:59 AM

Triptina Rai R &lt;triptina.r@srmus.edu.in&gt;

To: All Associated dean &lt;all.associatedean@srmus.edu.in&gt;, All HOD &lt;all.hod@srmus.edu.in&gt;, All Staff &lt;all.staff@srmus.edu.in&gt;, "R. Anbalagan R" &lt;anbalagan.r@srmus.edu.in&gt;, All Faculty &lt;all.faculty@srmus.edu.in&gt;

Dear All,

Please find the attached news published today.

Event : Lecture on Bio-Economy for Sustainable Development

Date: 10.09.19, Tuesday

Newspaper : Sikkim Express

: Summit Times

Thanks &amp; Regards

**Ms. Triptina Rai**

PS to Registrar, SRM University

5th Mile, Tadong - 737102,

Sikkim, India.

Tel-03592-231666, 232666

website: www.srmus.ac.in

E: triptina.r@srmus.ac.in | Mobile: +91 8327678578

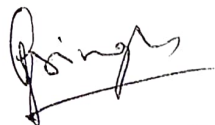
**2 attachments**Scan\_20190910 (2).jpg  
2015KScan\_20190910.jpg  
2133K

**Budget for Special Lecture Event on Lichens. Date: 27th-28th Feb, 2020**

Sl. No.	Items	Qty	Rate	Amount (Rs.)
1	Flower Bouquet	2	250	500
2	Snacks (Tea+ snacks items)	50	20	1000
	Day 1 morning			
	Day 1 evening	50	10	500
	Day 2 morning (Tea+ snacks items)	50	20	1000
	Day 2 evening	50	10	500
3	Dry fruits	1	200	200
4	Lunch for faculty and guests	10	150	1500
5	Miscellaneous (Note Pad and Pen and Transparent File)	5	20	100
			Total	5300

To the Registrar

Submitted for the approval



GOVIND PRATAP SINGH  
(Head, Department of  
Chemistry).



REGISTRAR  
SRM UNIVERSITY, SIKKIM  
5th Mile, Tadong, Gangtok  
Sikkim-737102

H.O.D  
Department of Chemistry  
SRM University Sikkim