



DR. MONALISA DEY
Scientist - B
Cryptogamic Section
Botanical Survey of India

Flora of India Project: Epiphyllous Liverworts of Eastern Himalaya (16.02.2004–15.02.2009)

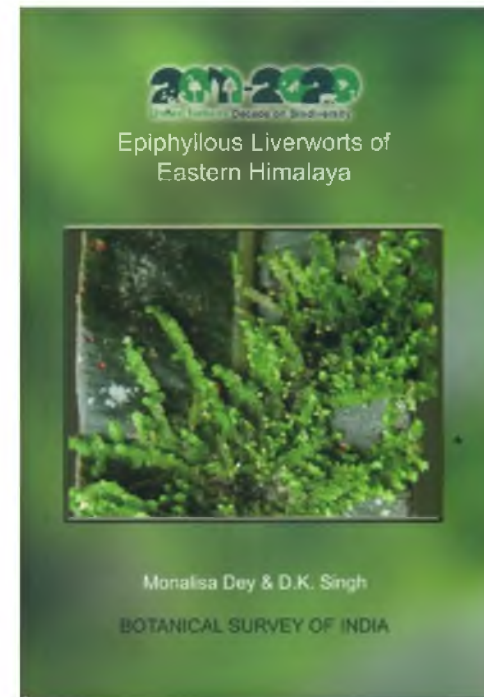


Areas covered:

Arunachal Pradesh, Sikkim,
Darjeeling district of West Bengal

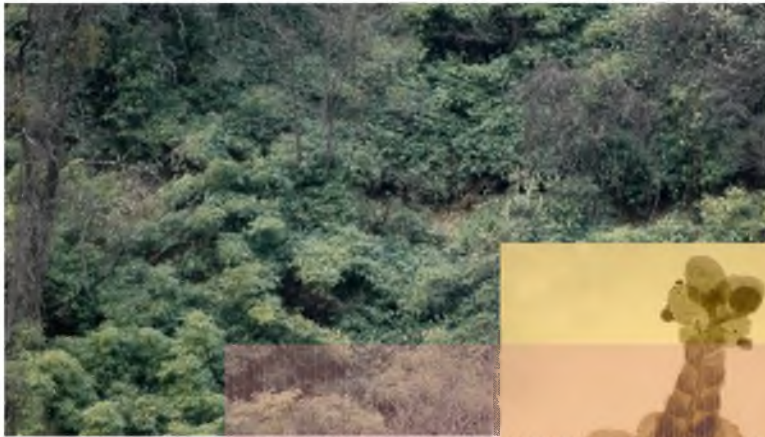


**89 taxa belonging
to 19 genera of 07
families**

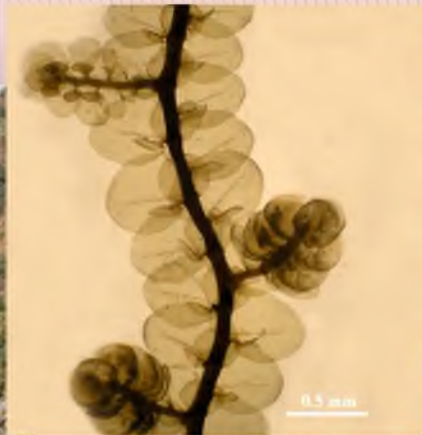


Title of PhD Thesis: Morpho-taxonomic studies of the Epiphyllous Liverworts of Eastern Himalaya (The University of Burdwan)

AICOPTAX Project: Hepaticae of Arunachal Pradesh (Families Radulaceae, Frullaniaceae, Jubulaceae, Lejeuneaceae) (18.12.2009–31.03.2012)



| | |
|--|-----|
| ❖ NO. OF SPECIES DESCRIBED AND ILLUSTRATED | 22 |
| ❖ NO. OF SPECIES IDENTIFIED | 72 |
| ❖ NO. OF SPECIMENS IDENTIFIED | 616 |



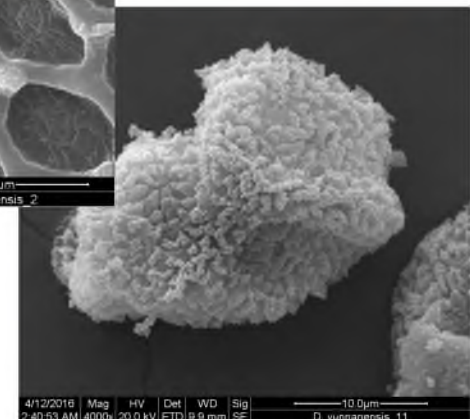
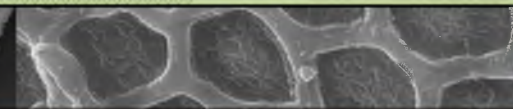
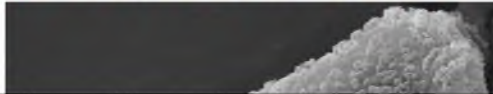
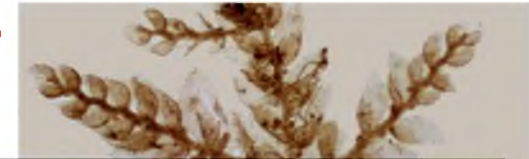
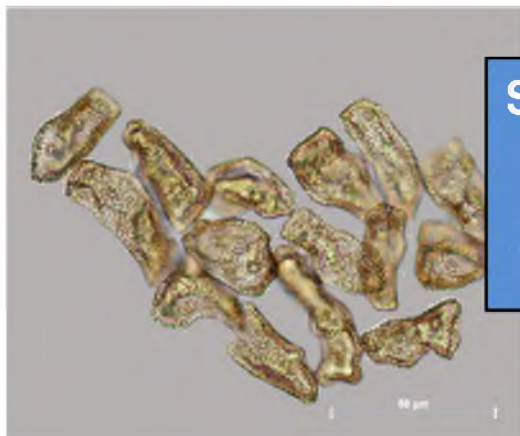
**AJCB PDF: Taxonomic Revision of Liverwort Genus
Drepanolejeunea (Spruce) Schiffn. in India
(14.11.2013–16.04.2015)**

Specimens studied from:

Arunachal Pradesh, Meghalaya, Sikkim, West Bengal, Kerala,
Andaman & Nicobar Islands

Type specimens studied from the following herbaria: JE, E, G, NY,
BM, HIRO

Species reported: 17
Eastern Himalaya: 14
Western Ghats: 05
A & N Islands: 03



**Name of the project: Liverworts and Hornworts Flora of
Darjeeling District, West Bengal
(Annual Action Plan April 2016–March 2021)**

Area of Study: Darjeeling
District, West Bengal

Field tour conducted: 01

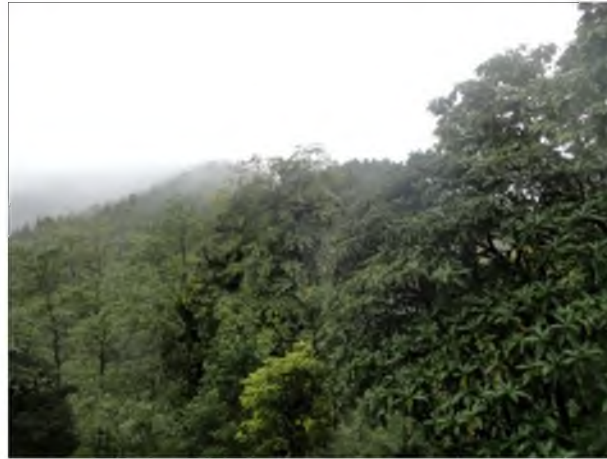
Field nos. collected: 121

Areas Visited: Darjeeling,
Lloyd's Botanical Garden,
Ghum, Tiger hill, Lepchajagat,
Takdah, Tinchuley

Specimens identified: 83



Field photographs



Future plan

Objective:

Documentation of the Liverworts and Hornworts of Darjeeling district of West Bengal along with taxonomic description, illustration, nomenclature, specimens examined, a note on their habitat preferences and an identification key for easy identification of the taxa.

Plan of work for 2017:

- One field collection tour in February – March 2017
- One field collection tour in October 2017
- Processing, identification, illustration and description of collected specimens

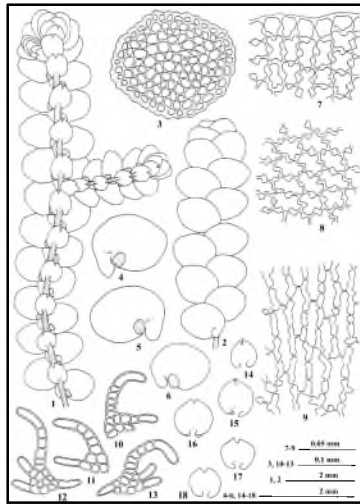
Achievements

| | |
|------------------------------------|---|
| Species New to Science (09) | <i>Frullania pran-nathii</i> M.Dey & D.K.Singh <i>Cololejeunea tixieriana</i> M.Dey, D.Singh & D.K.Singh <i>Lejeunea kashyapii</i> M.Dey, D.K.Singh & D.Singh <i>Lejeunea mehrana</i> M.Dey, D.K.Singh & D.Singh <i>Leptolejeunea mirikana</i> M.Dey & D.K.Singh <i>Leptolejeunea udarii</i> M.Dey & D.K.Singh <i>Lopholejeunea udarii</i> M.Dey & D.K.Singh <i>Drepanolejeunea devendrae</i> Sushil K.Singh & M.Dey <i>Cololejeunea andamanensis</i> M.Dey & D.K.Singh |
| Species new to Asia (01) | <i>Jubula pennsylvanica</i> (Steph.) A.Evans subsp. <i>pennsylvanica</i> |
| Genus new to India (01) | <i>Tuyamaella</i> S.Hatt. |
| Species new to India | 33 |
| Research publications | Book published: 01 Book chapter: 01 Research papers: 32 |

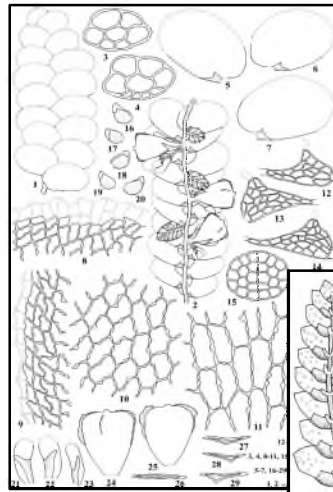
New records for India

| | |
|--|---|
| 1. <i>Caudalejeunea lehmanniana</i> (Gottsche) A.Evans | 18. <i>Herbertus armitanus</i> (Steph.) H.A.Mill. |
| 3. <i>Cololejeunea aequabilis</i> (Sande Lac.) Schiffn. | 19. <i>Herbertus longispinus</i> J.B.Jack & Steph. |
| 3. <i>Cololejeunea bhutanica</i> Grolle & Mizut. | 20. <i>Lejeunea alata</i> Gottsche |
| 4. <i>Cololejeunea dozyana</i> (Sande Lac.) Schiffn. | 21. <i>Lejeunea eifrigii</i> Mizut. |
| 5. <i>Cololejeunea equialbi</i> Tixier | 22. <i>Lejeunea papilionacea</i> Steph. |
| 6. <i>Cololejeunea grossepapillosa</i> (Horik.) Pócs | 23. <i>Lejeunea sordida</i> (Nees) Nees |
| 7. <i>Cololejeunea longiana</i> Grolle & Mizut. | 24. <i>Leptolejeunea apiculata</i> (Horik.) S.Hatt. |
| 8. <i>Cololejeunea macounii</i> (Spruce ex Underw.) A.Evans | 25. <i>Leptolejeunea subdentata</i> Schiffn. ex Herzog |
| 9. <i>Cololejeunea ocellata</i> (Horik.) Benedix | 26. <i>Metzgeria furcata</i> (L.) Dumort. var. <i>ulvula</i> Nees |
| 10. <i>Cololejeunea pseudoschmidtii</i> Tixier | 27. <i>Metzgeria temperata</i> Kuwah. |
| 11. <i>Cololejeunea serrulata</i> Steph. | 28. <i>Metzgeria violacea</i> (Ach.) Dumort. |
| 12. <i>Cololejeunea yipii</i> R.L.Zhu | 29. <i>Radula nymanii</i> Steph. |
| 13. <i>Colura pluridentata</i> Ast | 30. <i>Radula sumatrana</i> Steph. |
| 14. <i>Drepanolejeunea longii</i> Grolle & R.L.Zhu | 31. <i>Riccia haskarliana</i> Steph. |
| 15. <i>Drepanolejeunea siamensis</i> (Bischl.) Grolle & R.L.Zhu | 32. <i>Stenolejeunea apiculata</i> (Sande Lac.) R.M.Schust. |
| 16. <i>Drepanolejeunea thwaitesiana</i> var. <i>thwaitesiana</i> (Mitt.) Steph. | 33. <i>Tuyamaella serratistipa</i> S.Hatt. |
| 17. <i>Drepanolejeunea tibetana</i> (P.C.Wu & J.S.Lou) Grolle & R.L.Zhu | |

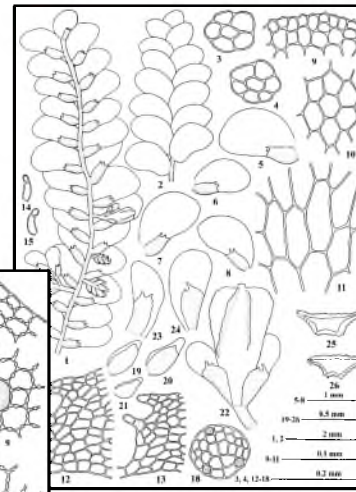
New Species



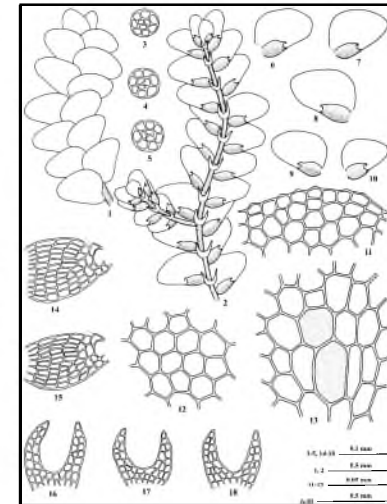
Frullania pran-nathii M.Dey & D.K.Singh



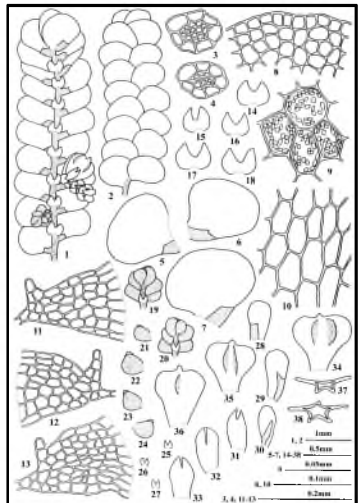
Cololejeunea andamanensis
M.Dey & D.K.Singh



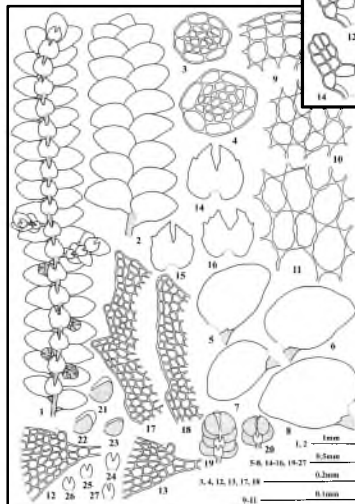
Cololejeunea tixieriana
M.Dey, D.Singh & D.K.Singh



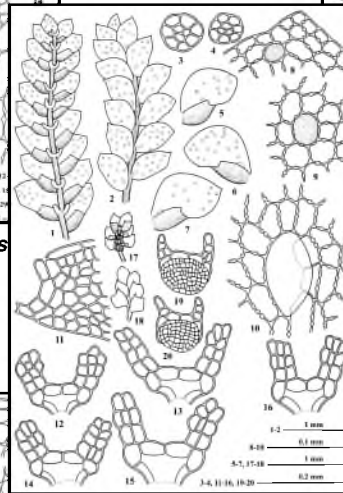
Drepanolejeunea devendrae
Sushil K.Singh & M.Dey



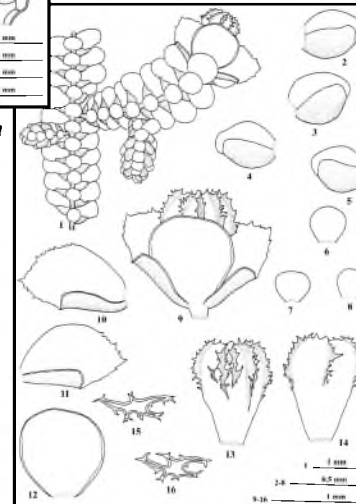
Lejeunea kashyapii M.Dey,
D.K.Singh & D.Singh



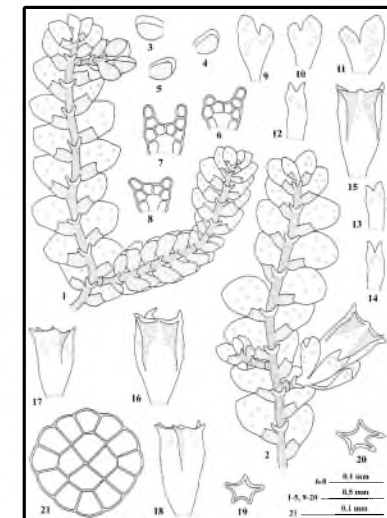
Lejeunea mehrana M.Dey,
D.K.Singh & D.Singh



Leptolejeunea mirikana
M.Dey & D.K.Singh

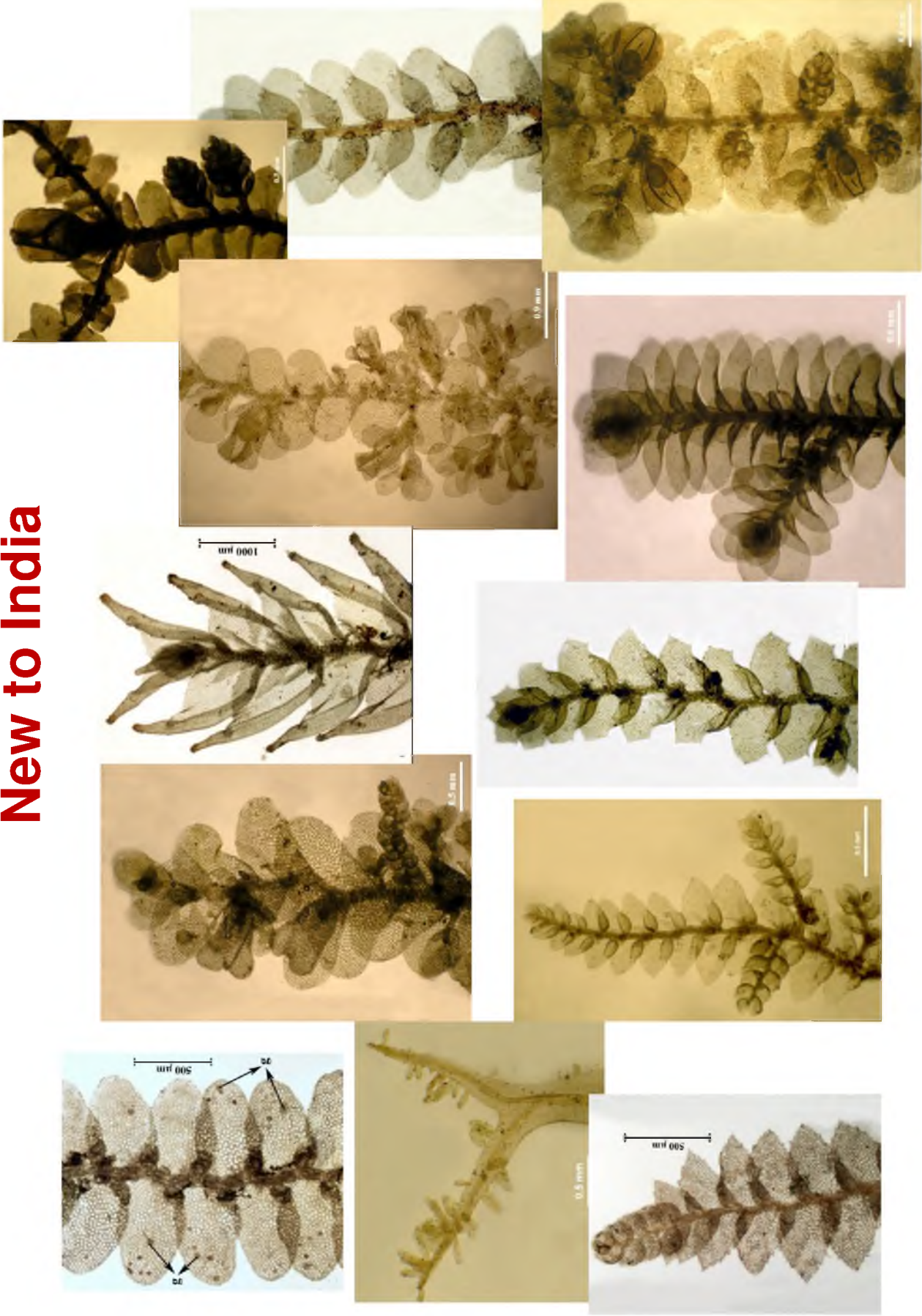


Lopholejeunea udarii
M.Dey & D.K.Singh



Leptolejeunea udarii
M.Dey & D.K.Singh

New to India



New to India





Thank You