

ANNUAL SCIENTIFIC MEET 2021

Project Title: BRYOFLORA OF JHARKHAND
Executing official: Dr. Devendra Singh

Date of initiation: 2018

Date of completion: 2022

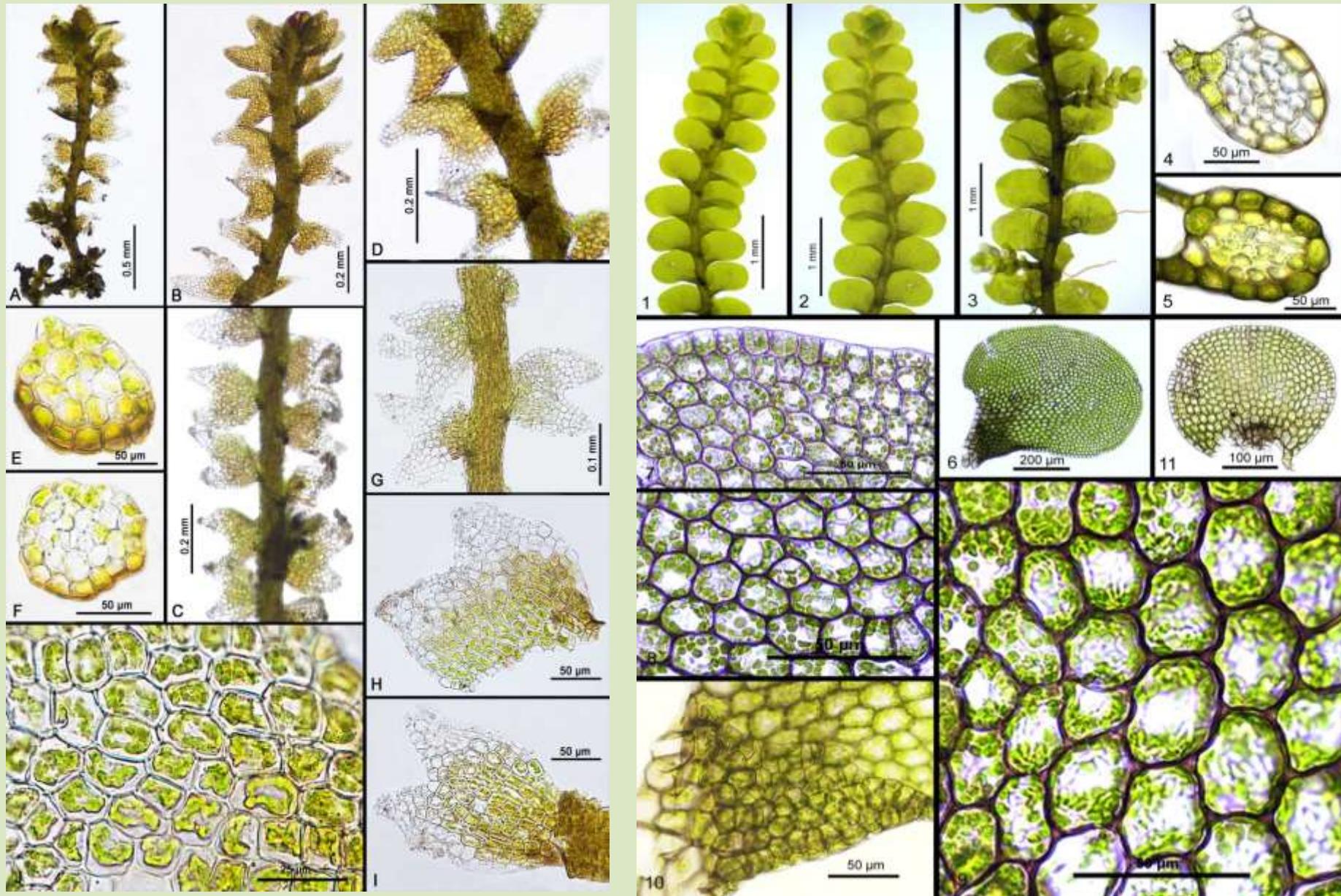


SUMMARY OF WORK DONE

Number of specimens identified	107
Number of species identified	45
Number of species illustrated, microphotographed and described	<p>34 <i>Anthoceros punctatus</i>, <i>A. subtilis</i>, <i>Asterella wallichiana</i>, <i>Bryum coronatum</i>, <i>Cyathodium cavernarum</i>, <i>C. denticulatum</i> <i>Cololejeunea latilobula</i>, <i>Entodontopsis tavoyensis</i>, <i>Erpodium mangifereae</i>, <i>Fissidens cranulatus</i>, <i>F. sylvaticus</i>, <i>Fossombronia himalayensis</i>, <i>Frullania ericoides</i>, <i>Heteroscyphus hyalinus</i>, <i>Hyophila involuta</i>, <i>H. nymaniana</i>, <i>Lejeunea aloba</i>, <i>L. devendrae</i>, <i>Lopholejeunea sikkimensis</i>, <i>Marchantia linearis</i>, <i>Notothylas anaporata</i>, <i>Plagiochasma appendiculatum</i>, <i>P. intermedium</i>, <i>Physcomitrium eurystomum</i>, <i>Reboulia hemisphaerica</i>, <i>Phaeoceros carolinianus</i>, <i>P. laevis</i>, <i>Riccia billardierei</i>, <i>R. curtisii</i>, <i>R. frostii</i>, <i>R. huebeneriana</i>, <i>Solenostoma tetragonum</i>, <i>Spruceanthus minutilobulus</i>, <i>Targionia hypophylla</i></p>
Species new to India	<i>Colura corynophora</i> (Nees, Lindenb. & Gottsche) Trevis.
Species new to Central India	<p>05 <i>Atrichum undulatum</i> Mitt. var. <i>gracilisetum</i> Besch., <i>Anthoceros subtilis</i>, <i>Cyathodium denticulatum</i> Udar & S.C.Srivast., <i>Physcomitrium eurystomum</i> Sendtn., <i>Solmsiella biseriata</i> (Austin) Steere</p>
Species new to Jharkhand	10
Publications	Books: 02 (in press); 01 submitted; research articles: 07
Species collected after 50 years	<i>Cyathodium denticulatum</i> Udar & S.C.Srivast.



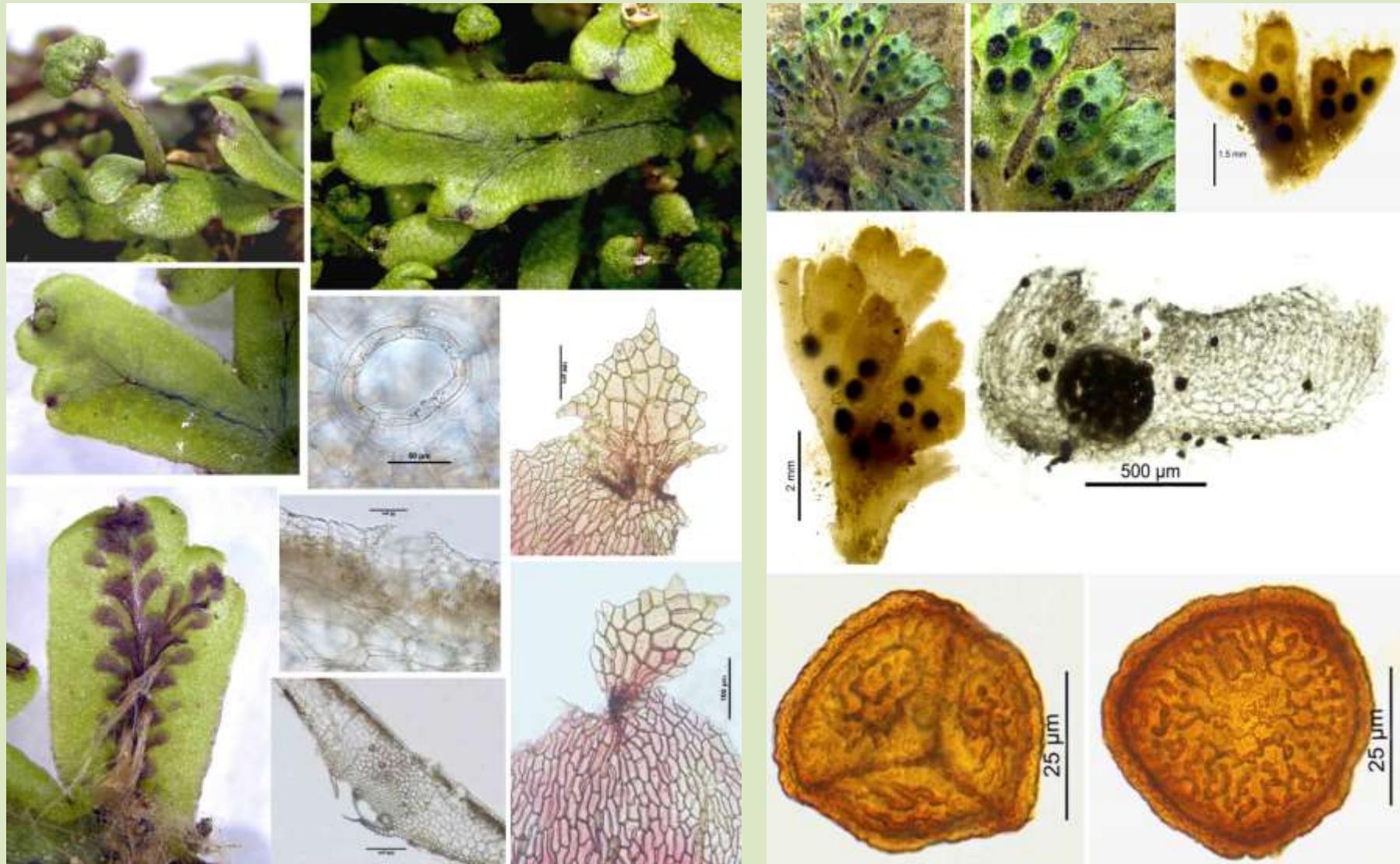
LEAFY LIVERWORTS



Cephalozia sp.

Lopholejeunea sikkimensis Steph.

THALLOID LIVERWORTS



Marchantia linearis Lehm. & Lindenb.

Riccia frostii Austin

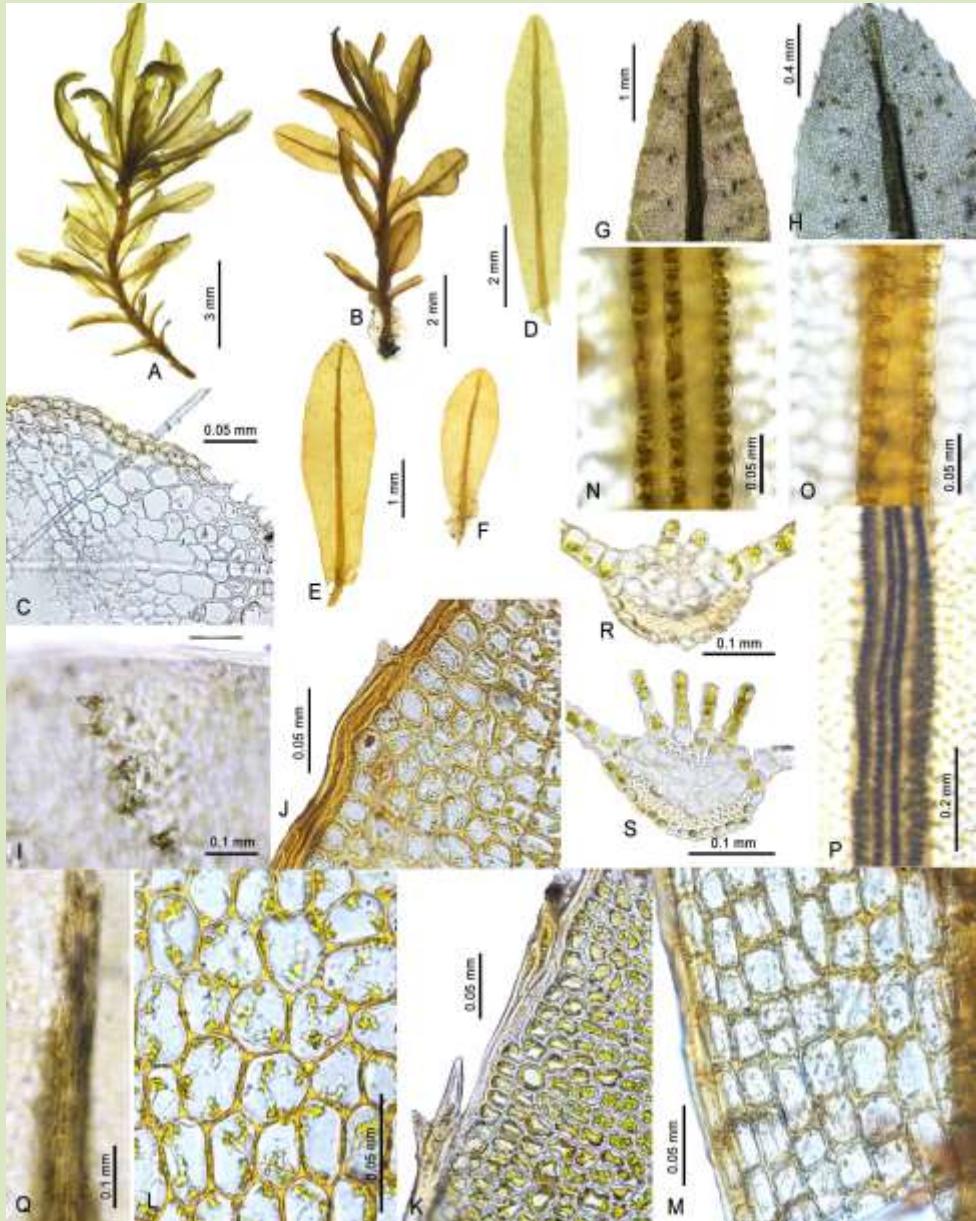
THALLOID LIVERWORTS



Reboulia hemisphaerica (L.) Raddi

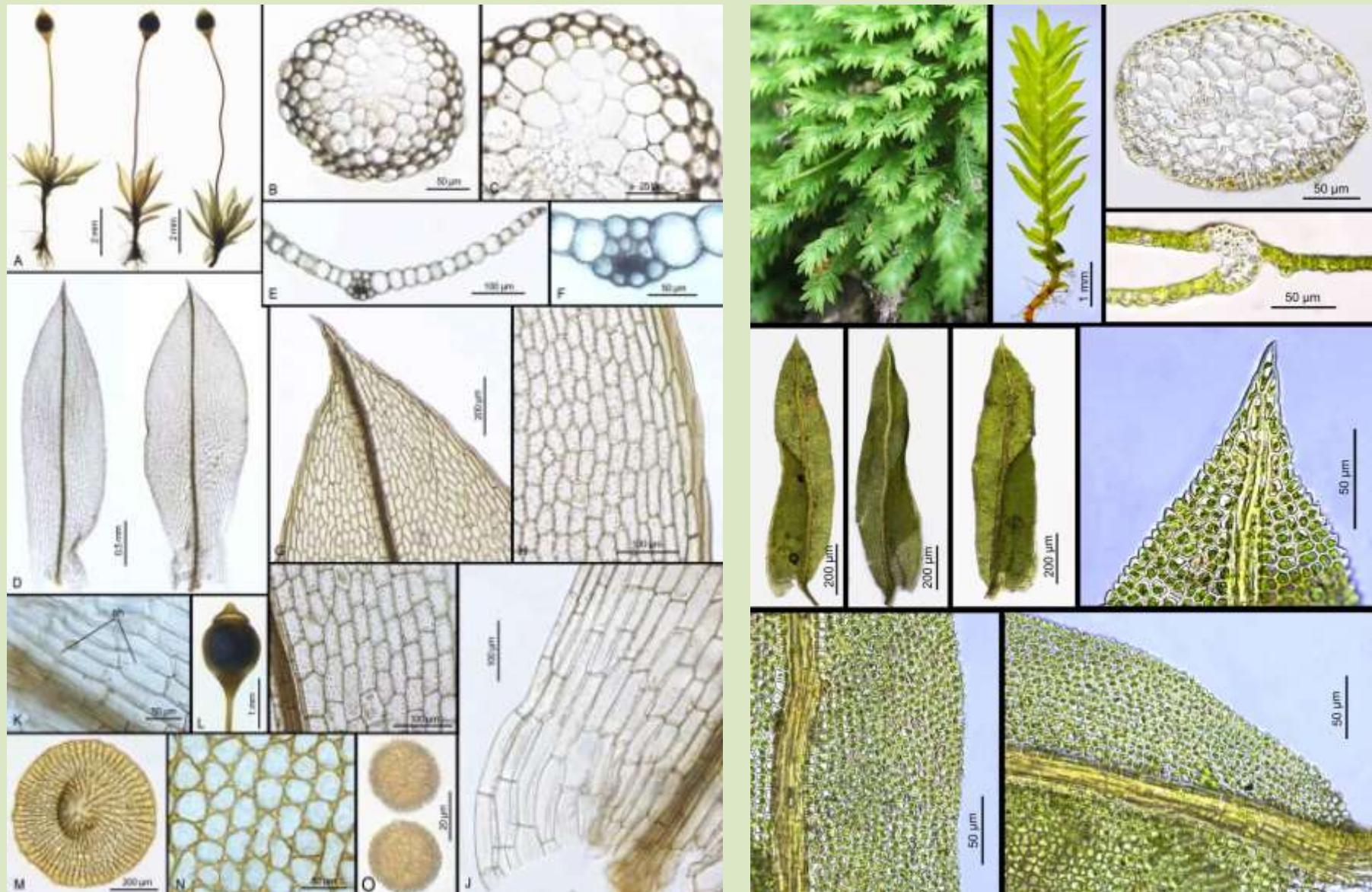
Cyathodium denticulatum Udar & S.C.Srivast.

MOSSES



Atrichum undulatum Mitt. var. *gracilisetum* Besch.

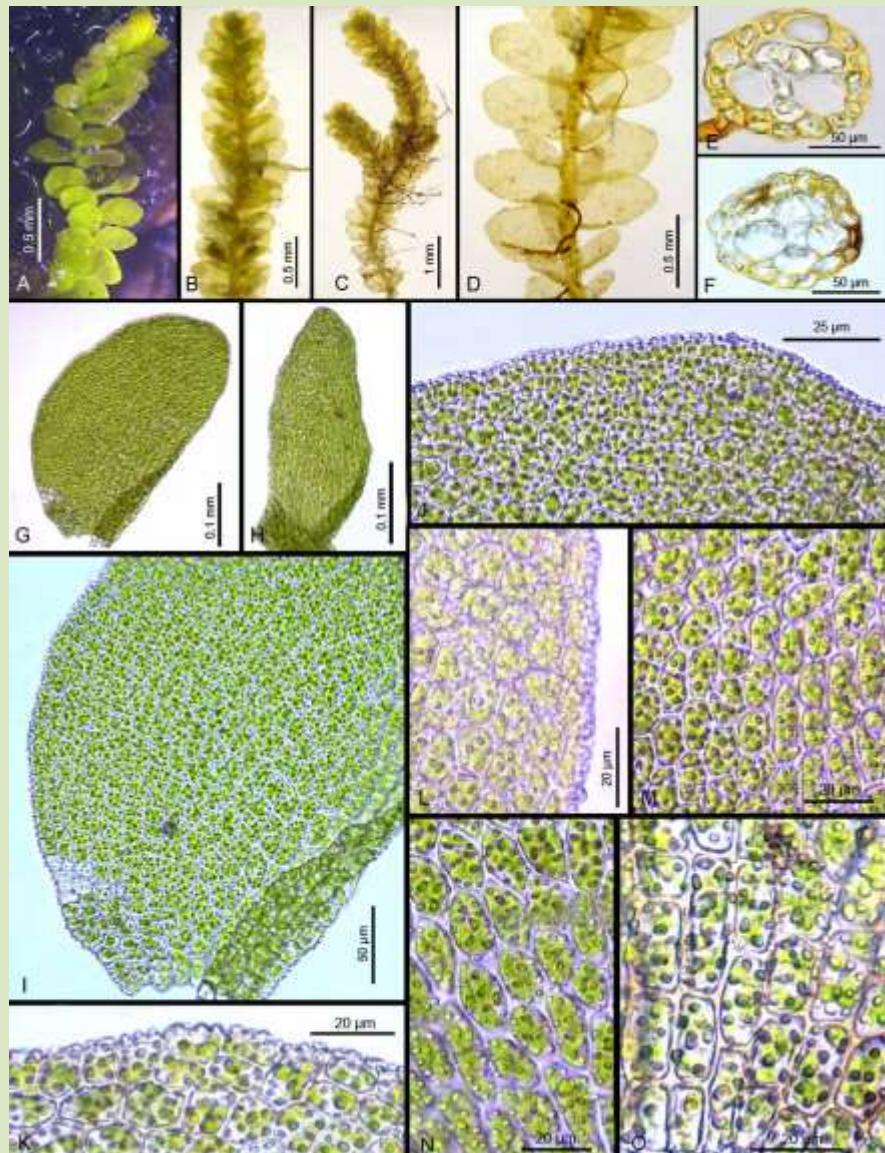
MOSSES



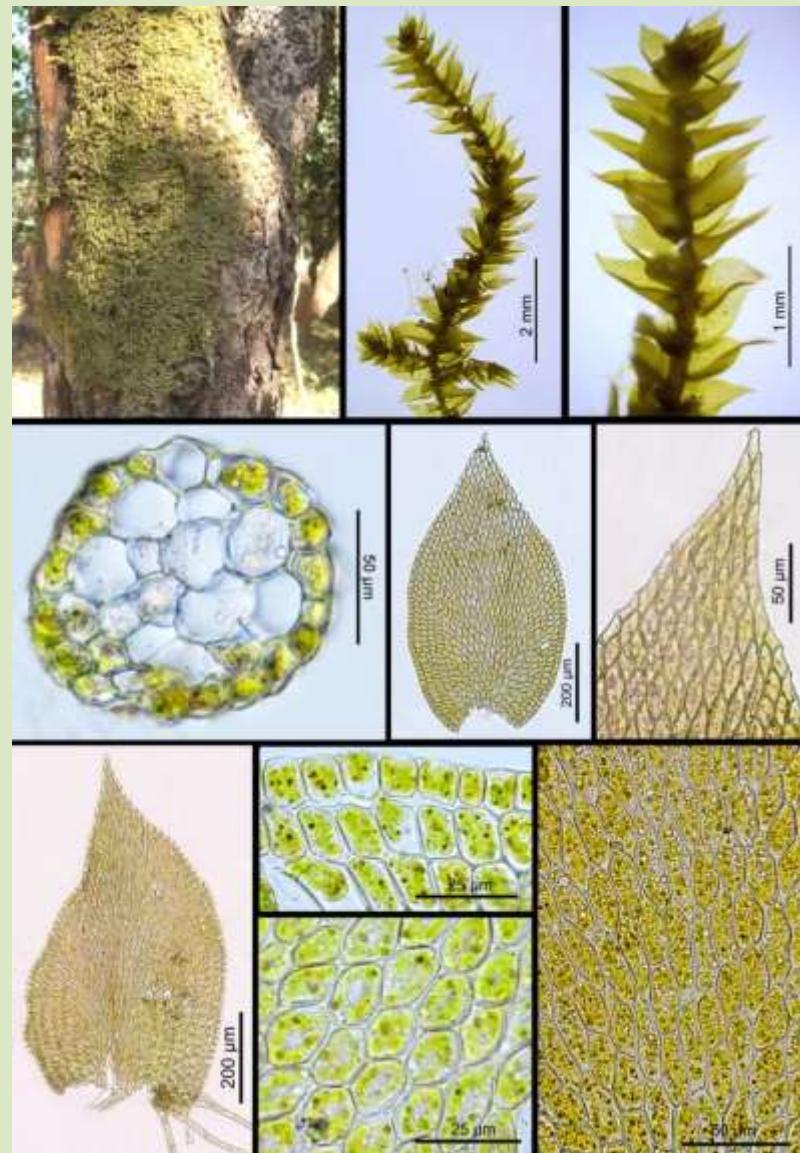
Physcomitrium eurystomum Sendtn.

Fissidens cranulatus Mitt.

MOSSES

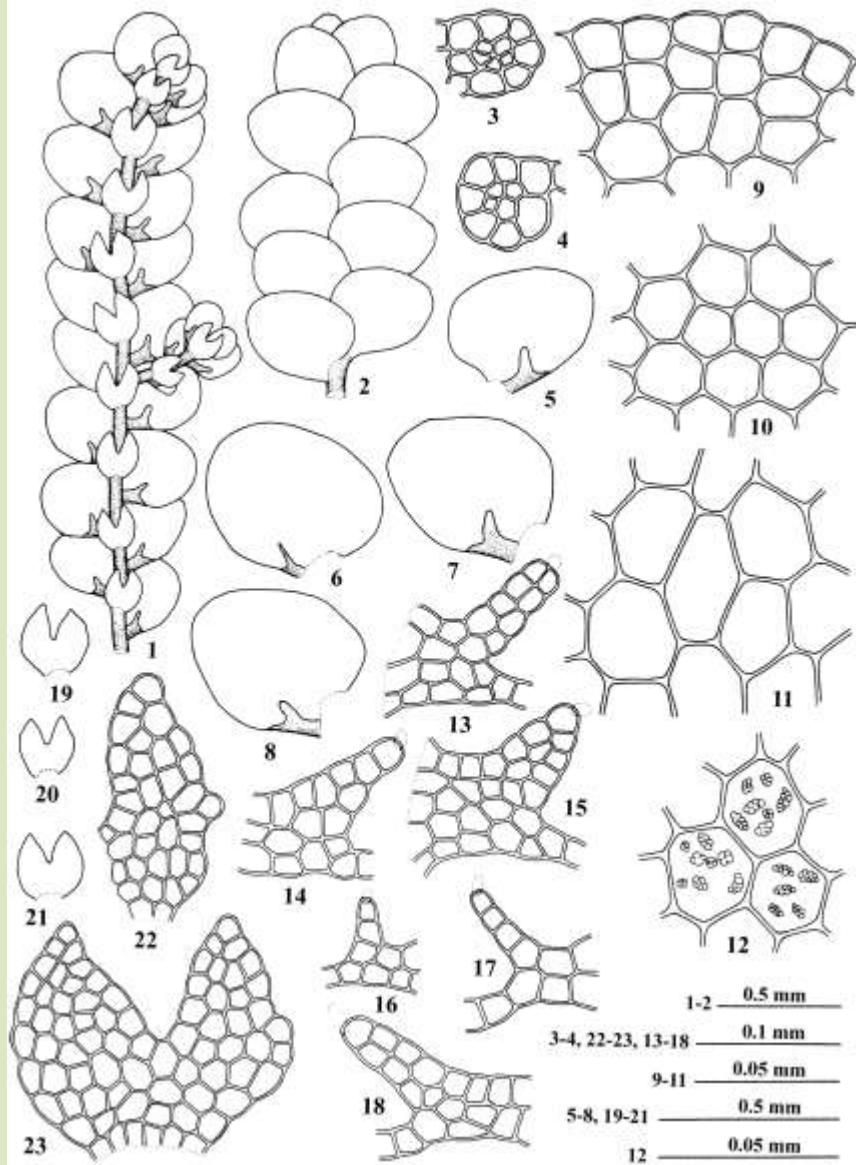


Solmsiella biseriata (Austin) Steere

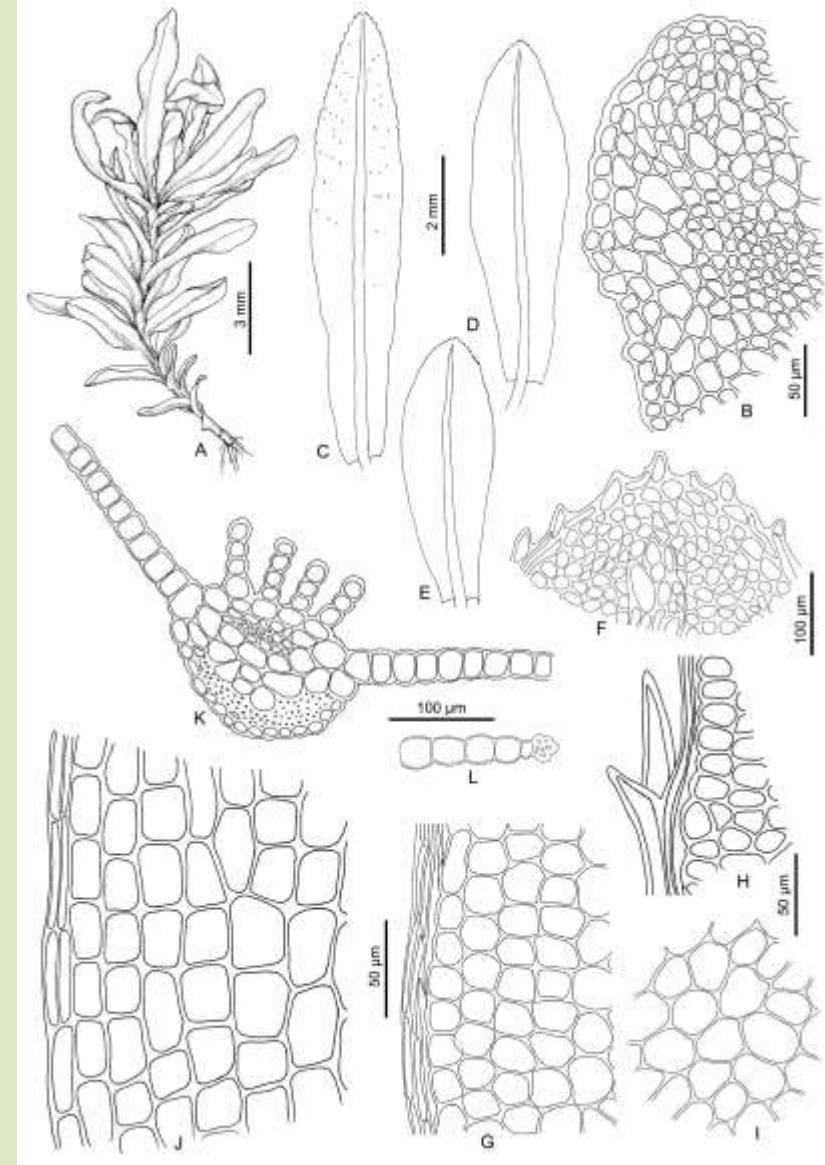


Erpodium mangiferaeae Müll. Hal.

ILLUSTRATIONS



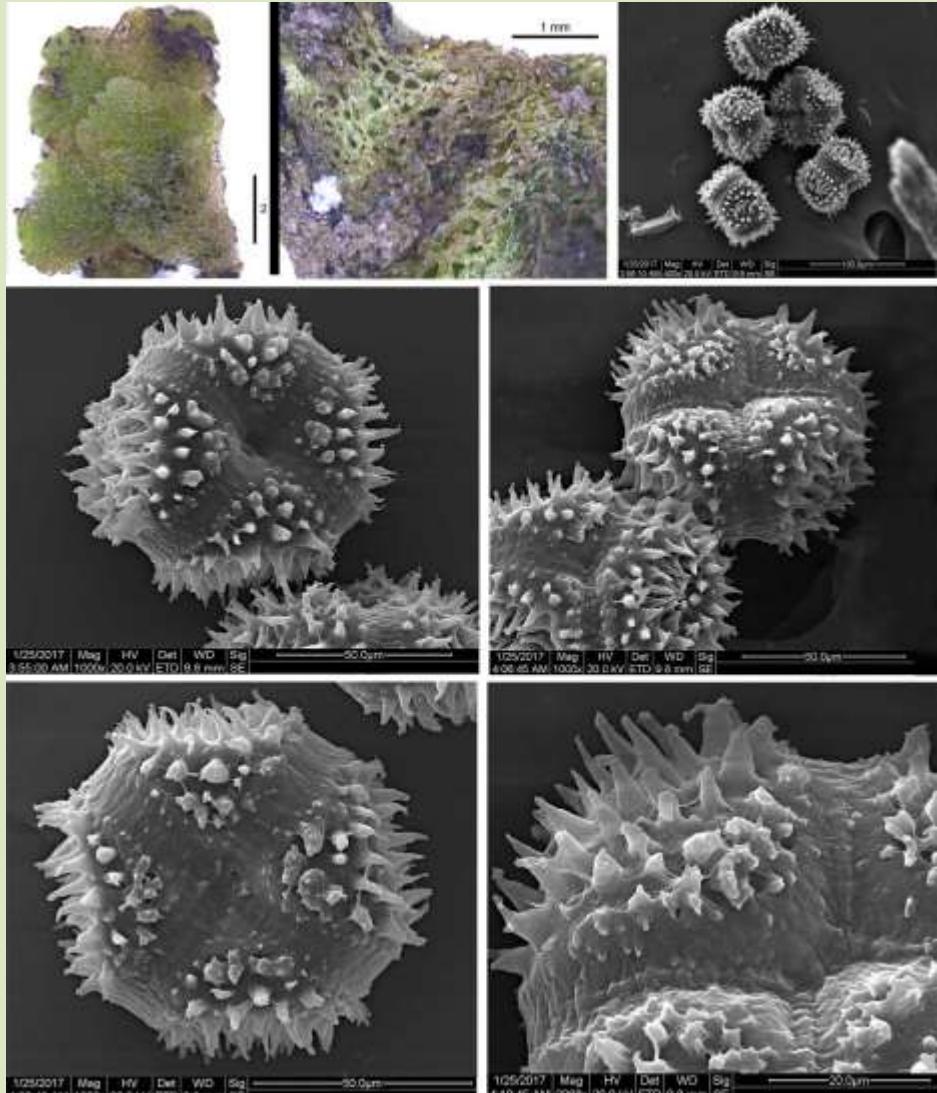
Lejeunea devendrae (Sushil K. Singh)
P.K.Verma & K.K.Rawat



Atrichum undulatum Mitt. var. *gracilisetum*
Besch.

MAJOR GAPS (SEM)

- Our SEM is not functional approximately from 2017
- 20 no. of scientist and 15 Botanist are posted in Kolkata region.
- 10 no. of scholars are working in in CNH.
- SEM study can solved many complex species and it can also lead many more novelties.



THANK YOU