

DISTRIBUTION OF PTERIDOPHYTES IN INDIA

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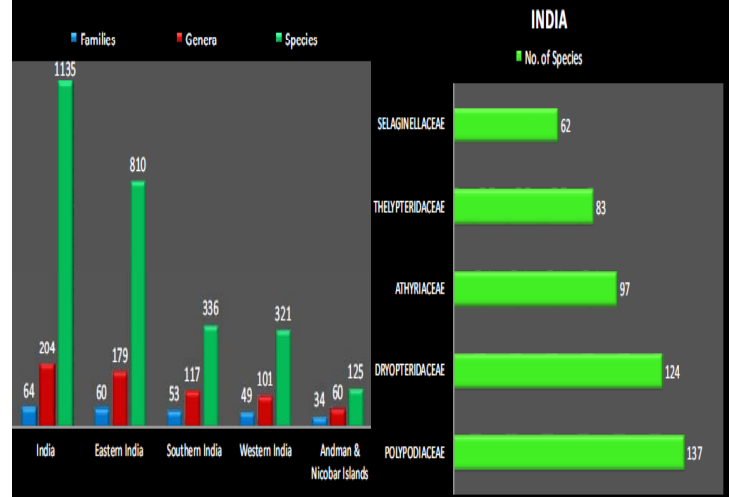
Pteridophytes - Distribution

- Hamel Tarek et. al.; *Diversity and ecology of Pteridophytes in the Skikda region(North East Algeria)* -13600 sps
- 530 /950-1000 pteridophytes
- 47 endemic -several that are rather doubtfully endemic - unresolved taxonomic doubt.
- $530-47= 483$ are pseudo endemics

Location and No. of sps.

- 700 species (58%) = Eastern Himalayas and adjoining states.
- Southern India= 400
- North-West India= 300
- Central India = 100
- Andaman and Nicobar Islands= 125

PTERIDOPHYTIC DIVERSITY IN INDIA



Phytographical regions of india

1. Flora of Malabar
2. Flora of Deccan
3. Flora of Indus Plain
4. Flora of Gangetic Plain
5. Flora of Assam
6. Flora of Eastern Himalayas
7. Flora of Central Himalayas
8. Flora of Western Himalaya.

Family & Genera (Dixit, 2000)

- Aspleniaceae = 27 species,
- Polypodiaceae=25 spp,
- Athyriaceae = 24 spp,
- Thelypteridaceae =23 spp,
- Selaginellaceae = 20 spp,
- Pteridaceae 17 spp,
- Aspidaceae = 13 spp,
- *Selaginella* (20 spp.), *Pteris* (17 spp.), *Diplazium* (7 spp.), etc.

Endemic species:

- | | |
|------------------------------|-------------------------------|
| 1. <i>Huperzia</i> - 1, | 11. <i>Lindsaea</i> - 3, |
| 2. <i>Selaginella</i> - 8, | 12. <i>Asplenium</i> - 3, |
| 3. <i>Isoetes</i> - 3, | 13. <i>Thelypteris</i> - 3, |
| 4. <i>Osmunda</i> - 1, | 14. <i>Athyrium</i> - 2, |
| 5. <i>Arthromeris</i> - 1, | 15. <i>Tectaria</i> - 1, |
| 6. <i>Phymatosorus</i> - 1, | 16. <i>Dryopsis</i> - 1, |
| 7. <i>Oreogrammitis</i> - 2, | 17. <i>Dryopteris</i> - 3, |
| 8. <i>Trichomanes</i> - 1, | 18. <i>Polystichum</i> - 4, |
| 9. <i>Pteris</i> - 1, | 19. <i>Bolbitis</i> - 3, |
| 10. <i>Cyathea</i> - 4, | 20. <i>Elaphoglossum</i> - 3. |

Arthromeris notholaenoides Polypodiaceae

AP: Lower Debang Valley, Mehao
V.K. Rawat & Fras.-Jenk.



Asplenium exiguum Bedd. Aspleniaceae

TN: Nilgiri *



Asplenium khasianum Sledge
East AP, Meghalaya, Khasi hills



Asplenium rivulare Fras.-Jenk. 6: Deccan Peninsula #



Athyrium kumaonicum Punetha 2B:
Uttarakhand: Nainital, Pithoragarh #



Athyrium parasnathense (C.B. Clarke)
 Ching ex Bir 4B: Rajasthan: Aravali Ranges;
 6A: Deccan Plateau; Western Ghats



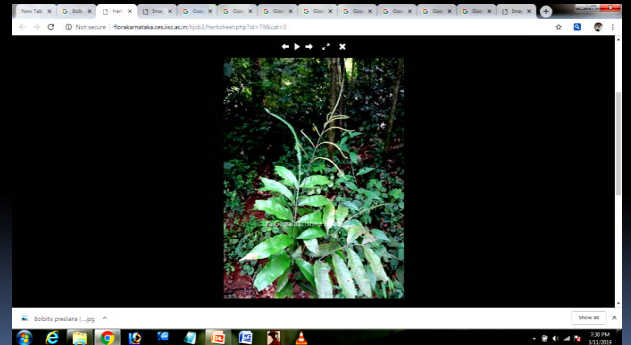
Bolbitis presliana (Fée) Ching Kerala: Malabar; Goa:
 Dudhsagar; Karnataka: Castle Rock, Shimoga, Coorg



Bolbitis semicordata (Baker) Ching 5A:
 Kerala: Malabar; TN: Anamalais; Kerala:



Bolbitis subcrenatooides Fras.-Jenk. 5A:
 Kerala: Malabar; Karnataka: Chikmagalur



Cyathea albosetacea (Bedd.) Copel. Nicobar
 Islands: Camorta, Kotchall



Cyathea gamblei (Syn) *C. gigantea* R.D.
 Dixit
 Sikkim; Assam



Cyathea nicobarica N.P. Balakr. & R.D.
Dixit Nicobar Islands



Cyathea nilgirensis Holtt.

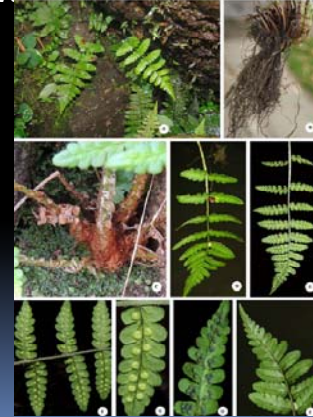
Karnataka: Coorg, Hassan, Kodagu; TN: Nilgiri, Anamalais, Palni, Shevroy hills;
Kerala: Munnar, Travancore hills; MP: Pachmarhi



Dryopsis scabrosa (Kze.) Holtt. & Edwards
TN: Anamalais, Palni hills, Nilgiri



Dryopteris austroindica Fras.-Jenk.
TN: Shevaroy hills (probably extinct),
Nilgiri *



Dryopteris khullarii Fras.-Jenk.

MP: Chamba; Uttarakhand:
below Trijugi-Narayan en route Kedarnath



Dryopteris odontoloma (Bedd.) C. Chr.
TN: Anamalais, Nilgiri



oöpedia

Elaphoglossum beddomei Sledge

Kerala: Malabar; TN: Nilgiri, Anamalais, Tirunelveli hills; Kerala: Munnar, Ponmudi hills



Elaphoglossum nilgircum Krajiná ex Sledge
Kerala: Malabar; TN: Nilgiri hills, Pykara falls; Kerala: Travancore



Elaphoglossum stigmatolepis (Fée)

T.Moore TN: Nilgiri, Palni hills



Huperzia nilagirica (Spring) R.D. Dixit 5B:

TN: Anamalais, Agasthiar hills; # Kerala



Isoetes panchananii D.D. Pant & G.K. Srivast.

MP: Pachmarhi var. pachmarhiensis



Isoetes sahadriensis Mahabale
Maharashtra; Tamil Nadu; Sahyadri



Isoetes sampathkumaranii L.N.Rao 6:
Karnataka; Andhra Pradesh Ex



Lindsaea andamanica R.D. Dixit & S.R.
Ghosh
Ar



Lindsaea malabarica (Bedd.) Baker
Kerala: Malabar; MP; TN: Kolli hills R



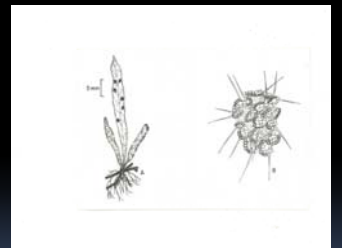
Lindsaea tenera Dryand.
Andaman & Nicobar Islands



Oreogrammitis austroindica (Parris) Parris
TN: Nilgiri hills (probably extinct
not report



Oreogrammitis pillifera (Ravi & J. Joseph)
Parris Kerala: Malabar; Karnataka:
Chikmagalur *



Osmunda huegeliana C. *O. hilsenbergii*
Presl



Phymatosorus beddomei S.R. Ghosh
Kerala: Idduki; TN: Anamalais



Polystichum manickamianum
Benniamin TN: Agasthiar hills *

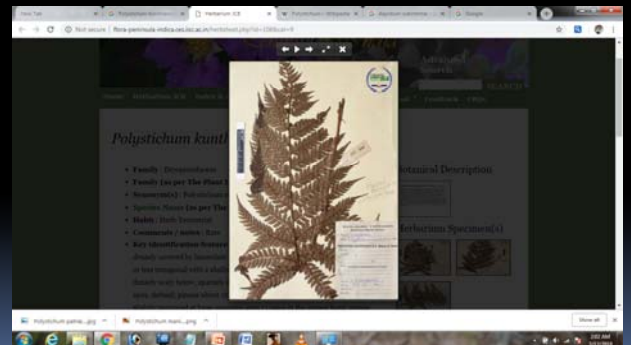


- *Polystichum palniense*
Fras. - Jenk
- TN: Palni hills

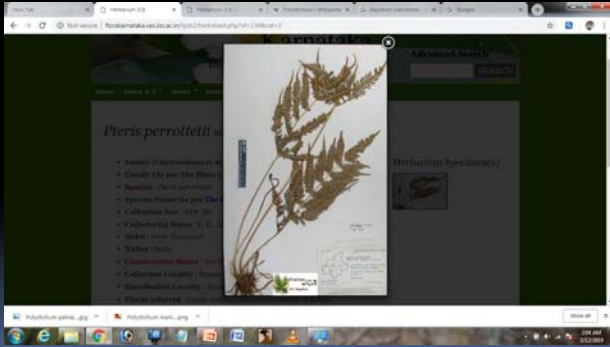
Polystichum polyodon Wall. ex Ching
Meghalaya *



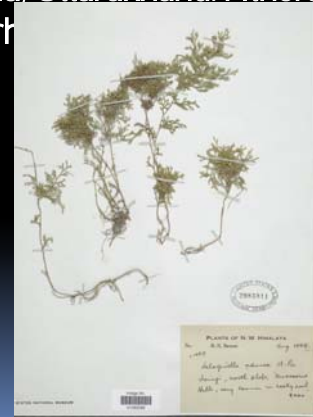
Polystichum subinerme (Kze.) Fras. -
Jenk. TN: Agasthiar hills *



Pteris perrottetii Hieron.
TN: Nilgiri hills



Selaginella adunca A. Braun ex Hieron.
HP: Simla; Uttarakhand: Pithoragarh,
Lohagarh



Selaginella cataractarum Alston
TN; Kerala

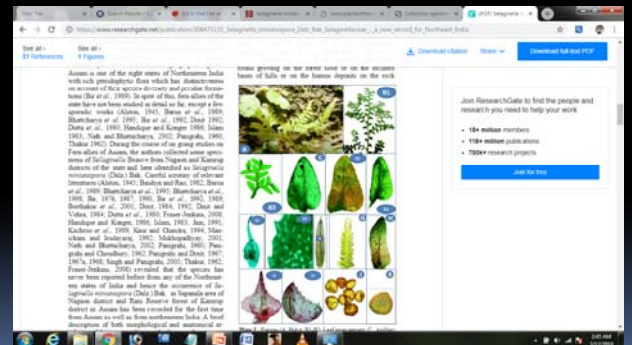


Selaginella ganguliana R.D. Dixit
Kerala



■ *Selaginella keralensis*
R.D. Dixit
Kerala

Selaginella miniatospora (Dalz.) Bak.
Maharashtra; Goa



Selaginella pentagona Spring
AP; Meghalaya



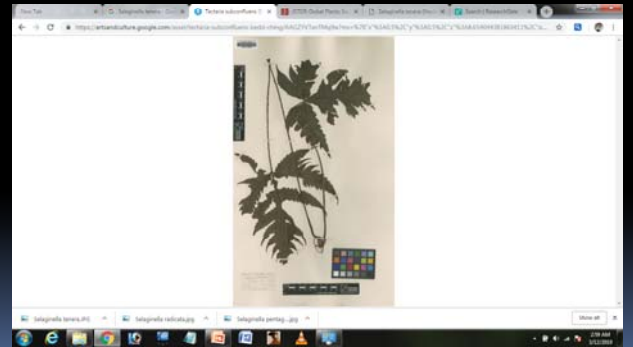
Selaginella radicata (Hook. & Grev.)
Spring
TN: Palni hills; TN: Kolli hills



Selaginella tenera (Hook. & Grev.) Spring
TN: Anamalais, Tirunelveli hills



Tectaria subconfluens (Bedd.) Ching
Meghalaya: Khasi Hills *



Thelypteris kurzii (Holtt.) Fras. -Jenk.
Nicobar Islands *



Thelypteris namburensis (Bedd.)
C.F.Reed
East AP; Assam forest, Jorhat *



Trichomanes agasthianum
Kerala: Athirapalli, Trichur *

