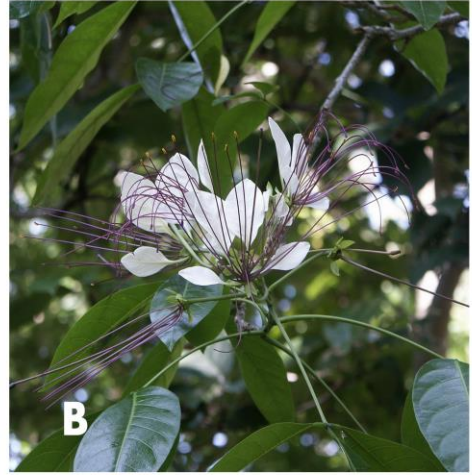


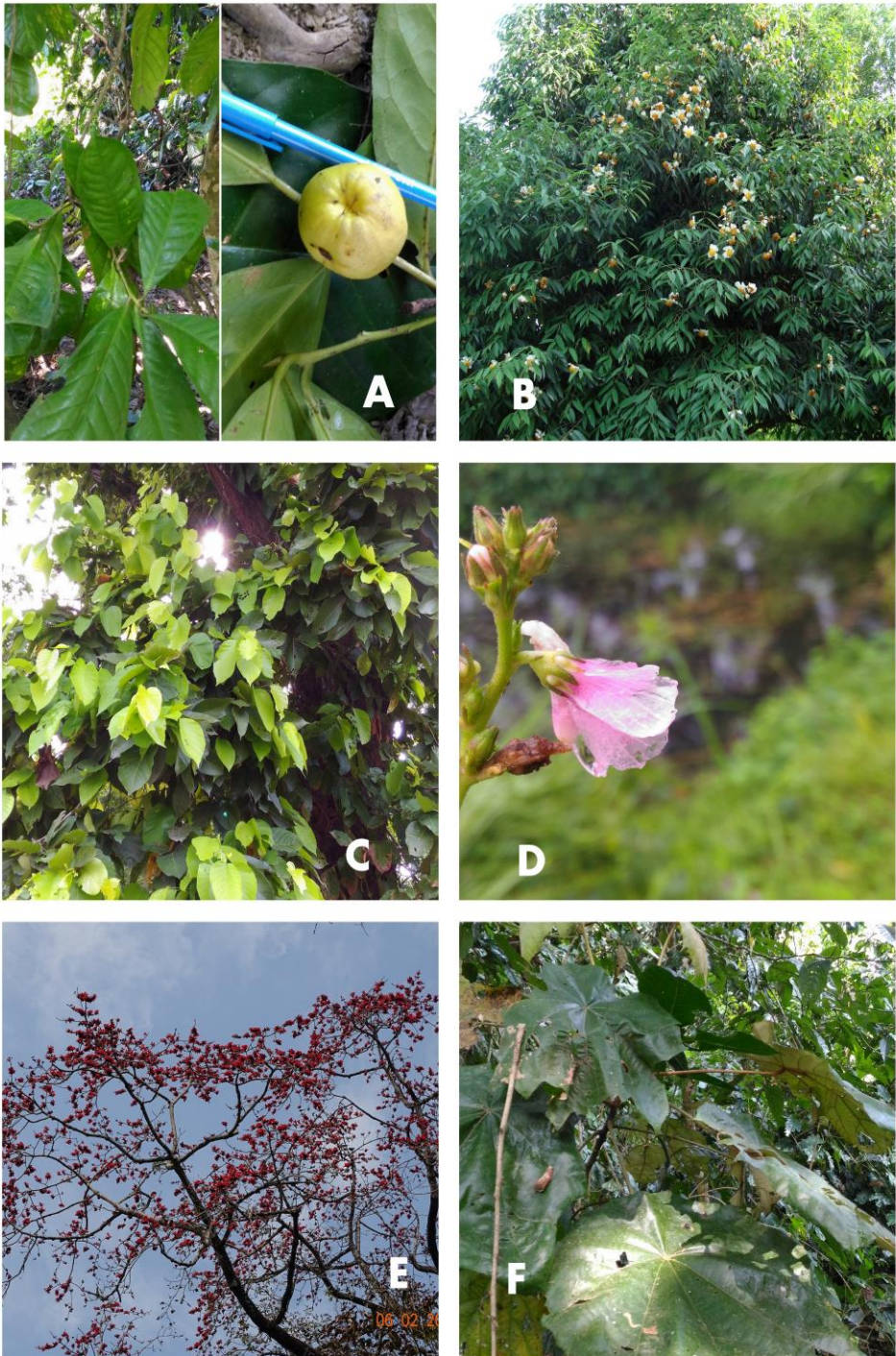
**PLATE 1:** [A] *Naravelia zeylanica* (L.) DC. [B] *Dillenia indica* L. [C] *Talauma hodgsonii* Hook. f. & Th. [D] *Tinospora cordifolia* (Willd.) Hook. f. & Th. [E] *Eurayle ferox* Salisb [F] *Nymphaea rubra* Roxb. ex Andrews



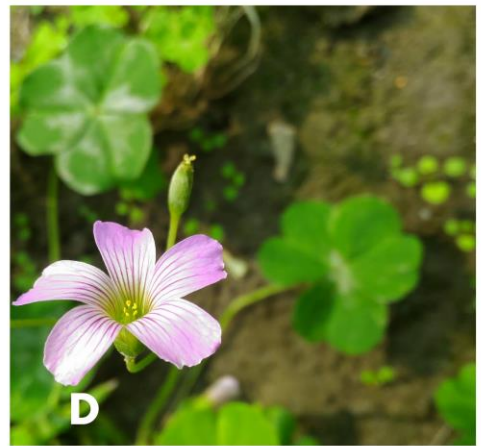
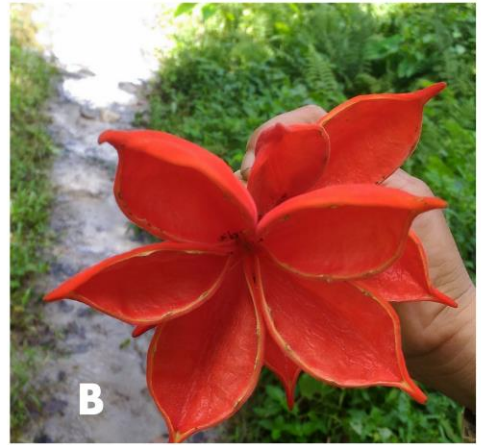
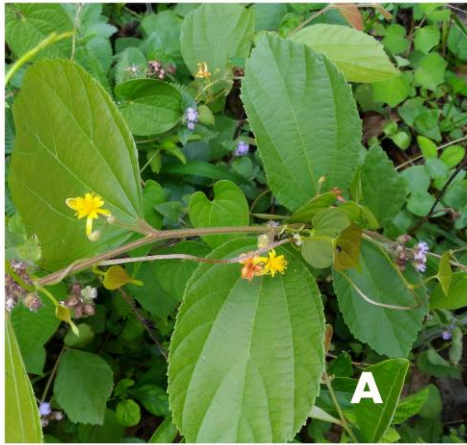
**PLATE 2:** [A] *Tetracera sarmentosa* (L.) Vahl [B] *Crateva religiosa* Froster f. [C] *Cleome hassleriana* Ch. [D] *Bixa orellana* L. [E] *Talinum portulacifolium* (Forssk.) Asch. ex Schwein [F] *Garcinia xanthochymus* Hook. f. & Th.



**PLATE 3:** *Pyrenaria khasiana* R.N. Paul var. *lakhimpurensis* N. Odyuo & D.K. Roy A. Habit with flower B. Fruit C. Bud D. Flower



**PLATE 4:** [A] *Pyrenaria barringtonifolia* (Griffith) Seem. [B] *Mesua ferrea* L. [C] *Shorea robusta* Roxb. ex Gaertn. f. [D] *Urena lobata* L. [E] *Bombax ceiba* L. [F] *Pterospermum acerifolium* Wild.,



**PLATE 5:** [A] *Grewia asiatica* L. [B] *Sterculia coccinea* Roxb. [C] *Sterculia villosa* Roxb. [D] *Oxalis debilis* H. B, K. var. *corymbosa* (DC.) Lour [E] *Micromelum minutum* (Forst f.) Wt. [F] *Toona ciliata* Roem.



**PLATE 6:** [A] *Dysoxylum binectariferum* (Roxb.) Hook, f., [B] *Leea indica* (Burm. f.) Merr. [C] *Aesculus assamica* Griff., [D] *Moringa oleifera* Lamk [E] *Flemingia strobilifera* (L). R. Br. [F] *Butea monosperma* (Lam.) Taubert



**PLATE 7:** [A] *Dalbergia sisoo* Roxb., [B] *Erythrina stricta* Roxb., [C] *Bauhinia purpurea* L., [D] *Bauhinia variegata* L., [E.] *Delonix regia* (Bojer) Raf. [F] *Senna alata* (L.)Roxb.

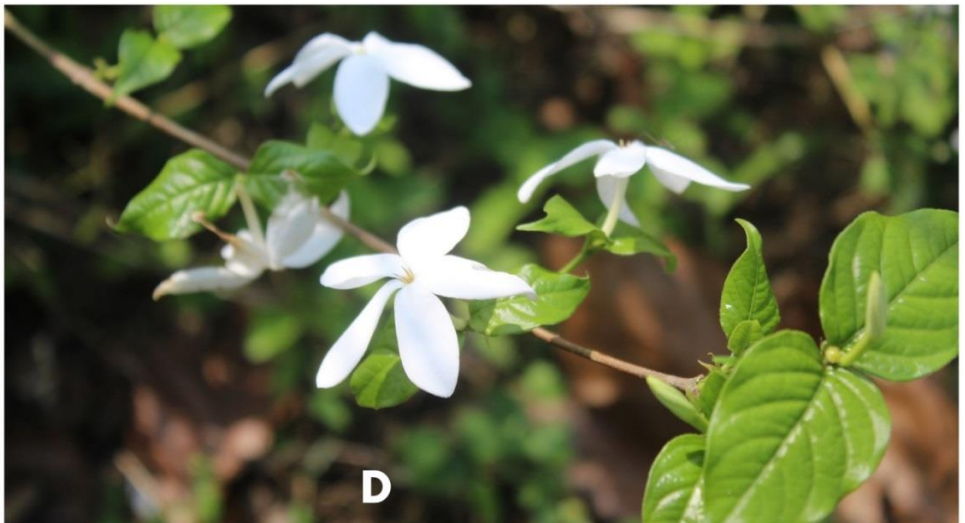


**PLATE 8:** [A] *Senna tora* (L.)Roxb. [B] *Mimosa pudica* L. [C] *Samanea saman* (Jacq.) Merr . [D] *Terminalia arjuna* (DC.) Wight & Am. [E] *Eucalyptus maculata* Hook [F] *Syzygium cumini* (L.) Skeels

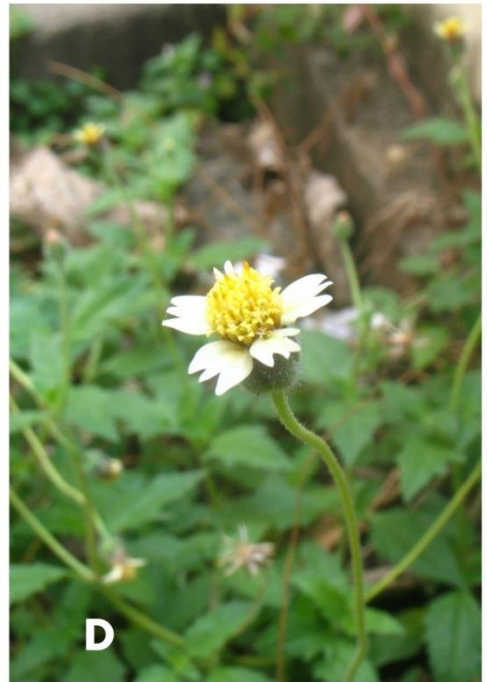
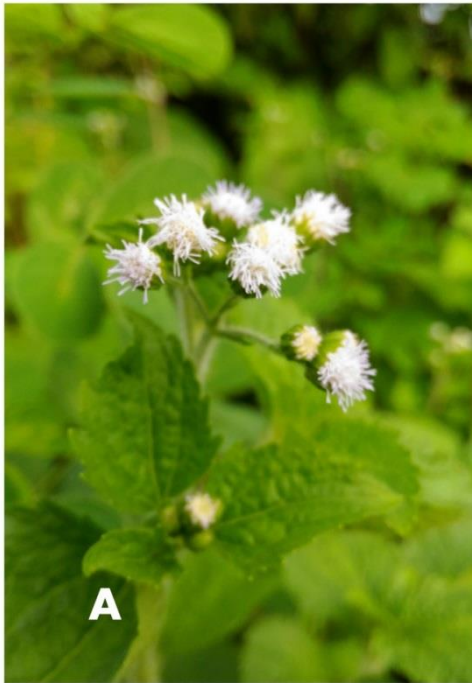




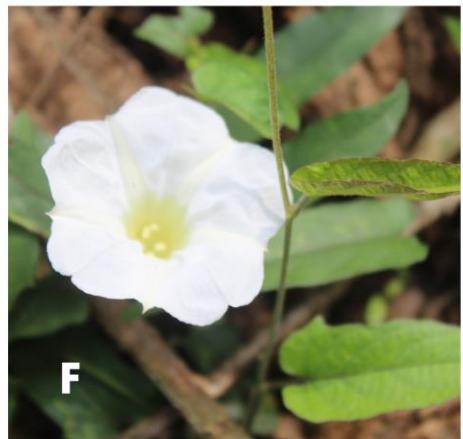
**PLATE 9:** [A] *Barringtonia acutangula* Gaertn. [B] *Melastoma malabathricum* L. [C] *Lagerstroemia speciosa* (Linn.) [D] *Duabanga grandiflora* (Roxb. ex DC.) Walp. [E] *Schefflera venulosa* (W. & A.) Haims [F] *Alangium chinense* (Lour.) Harms



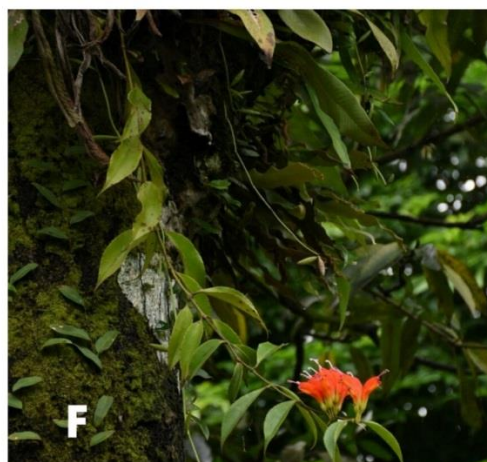
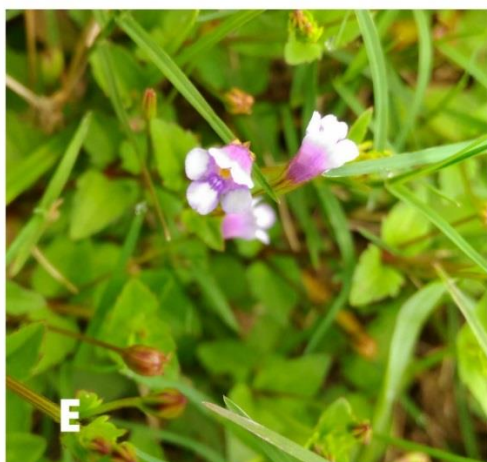
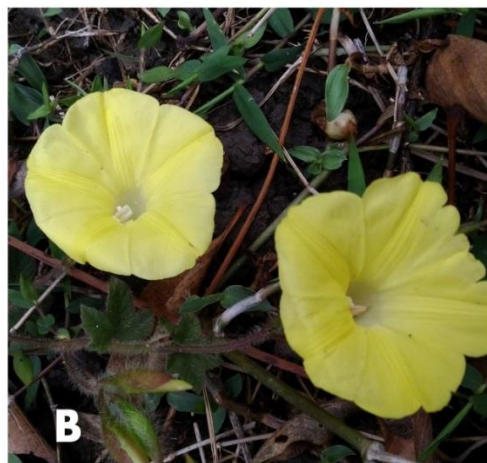
**PLATE 10:** [A] *Mussaenda glabra* Vahl., [B] *Mussaenda roxburghii* Hook. f [C] *Pavetta crassicaulis* Bremek. [D] *Coffea benghalensis* Hayne ex Roem. & Schult.,



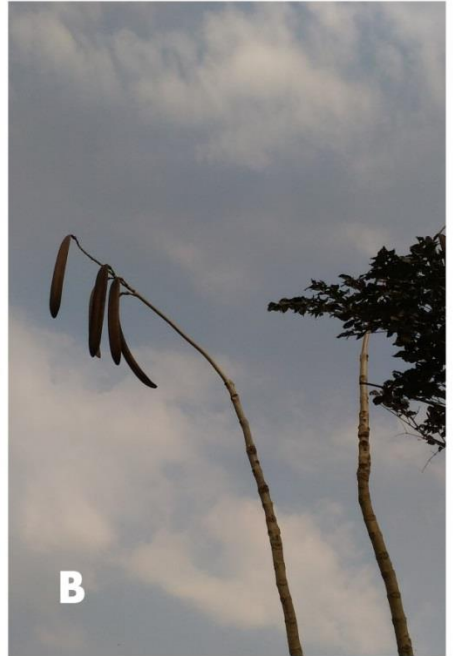
**PLATE 11:** [A] *Ageratum conyzoides* L. [B] *Crassocephalum crepidioides* (Benth.) Moore [C] *Parthenium hysterophorum* L., [D] *Tridax procumbens* L.



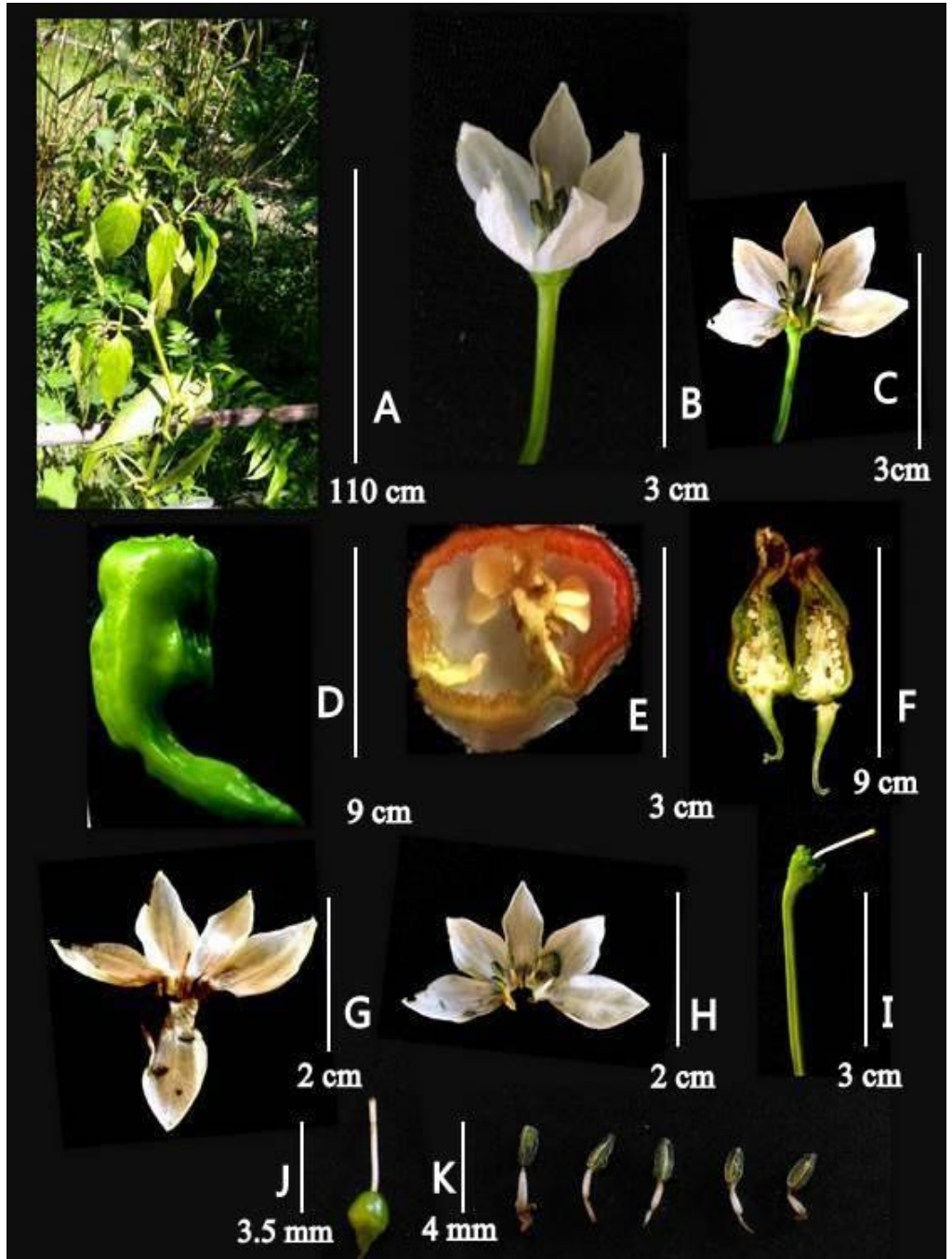
**PLATE 12:** [A] *Maesa indica* (Roxb.) A. DC. [B] *Mimusops elengi* L. [C] *Beaumontia grandiflora* Wall. [D] *Wrightia coccinea* (Lodd.) Sims [E] *Ipomoea pes-tigridis* L. [F] *Merremia umbellata* (L.) Hall



**PLATE 13:** [A] *Merremia umbellata* (L.) Hall B. *Merremia vitifolia* (Burm. f.) Bl. [C] *Physalis minima* L. [D] *Solanum torvum* Swartz [E] *Mazus pumilus* (Bunn, f.) Steenis [F] *Aeschynanthus radicans* Jack

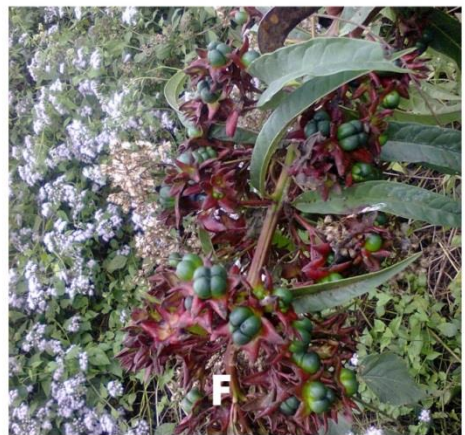


**PLATE 14:** [A] *Andrographis paniculata* (Bum.f.) Wall, ex Nees [B] *Oroxylum indicum* (L.) Kurz [C] *Phlogacanthus thyrsoiflorus* Nees [D] *Thunbergia coccinea* Wall.



**PLATE 15: *Capsicum sonitpurens* J. Sarma & G. Dutta, sp. nov.**

[A] Habit [B] Solitary flower [C] Flower showing Androecium and Gynoecium [D] Fruit [E] TS of fruit [F] LS of fruit [G] Corolla [H] Corolla with Androecium [I] Gynoecium with Calyx and stalk [J] Gynoecium [K] Androecium.

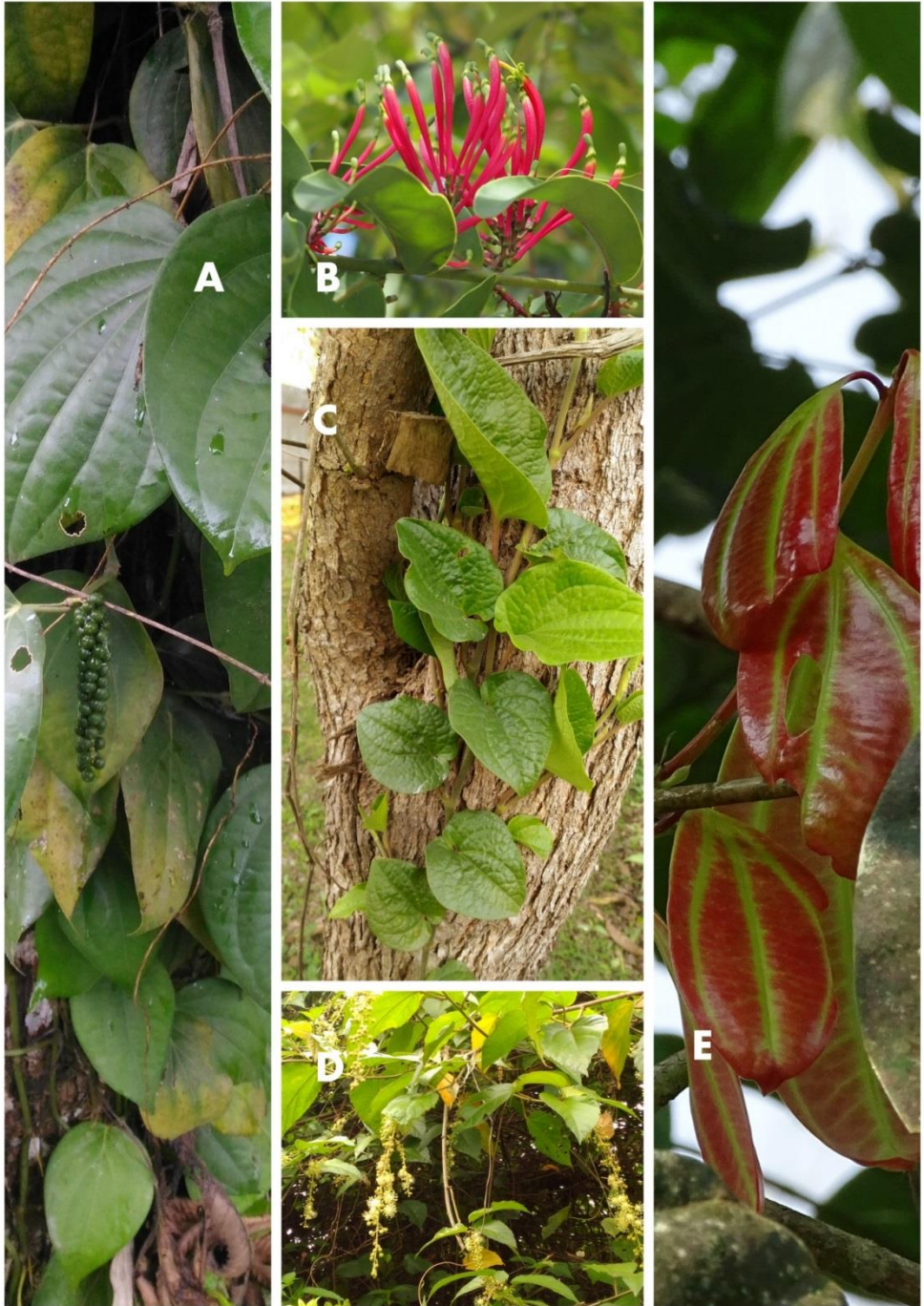


**PLATE 16:** [A] *Strobilanthes cusia* (Nees) Kuntze [B] *Gmelina arborea* Roxb. [C] *Tectona grandis* L.f. [D] *Lantana camera* var. *aculeata* (L.) Moldenke. [E] *Clerodendrum thomsoniae* Bal f. [F] *Clerodendrum indicum* (L.) O. Kuntze





**PLATE 17:** [A] *Clerodendrum viscosum* Vent. [B] *Leucas plukenetii* (Roth.) Spreng [C] *Hyptis suaveolens* Poit. [D] *Achyranthes aspera* L. [E] *Plantago asiatica* L. subsp. *erosa* (Wall.) Z.Yu Li Fl. [F] *Aristolochia indica* L.



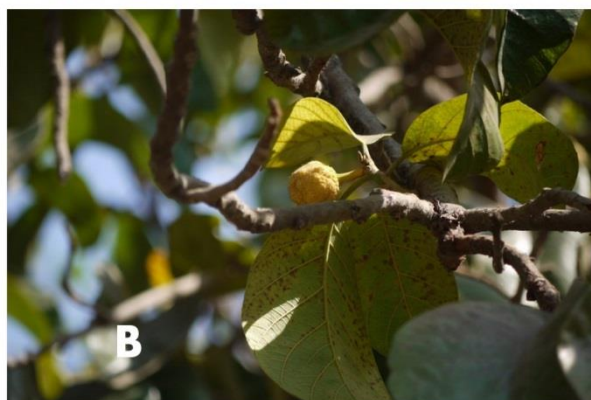
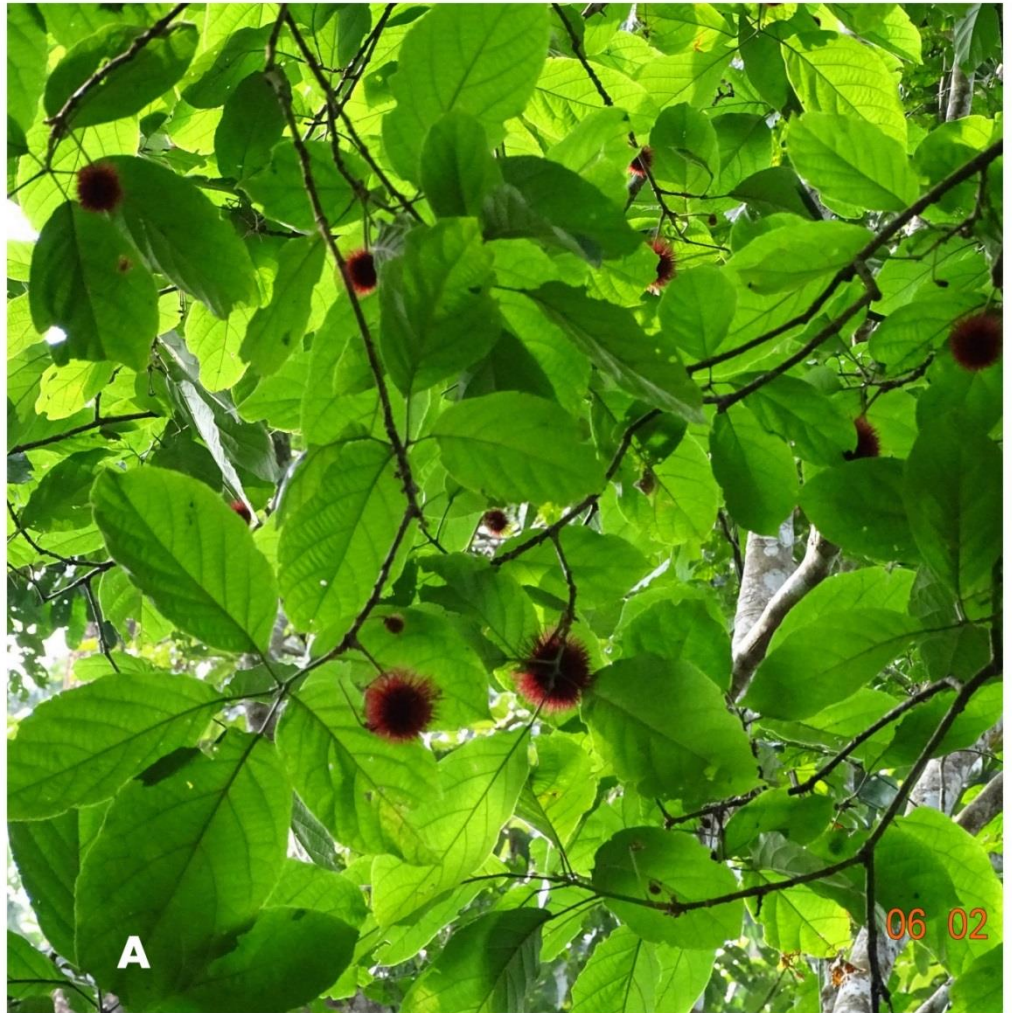
**PLATE 18:** [A] *Piper nigrum* L. [B] *Dendrophthoe falcata* (L.f.) Etting. [C] *Piper thomsonii* (C. DC.) Hook, f. [D] *Croton caudatus* Geisai. [E] *Cinnamomum glanduliferum* (Wall.) Meisn.



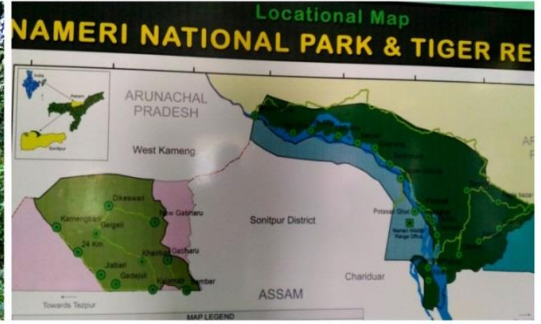
**PLATE 19:** [A] *Macaranga denticulata* (Bl.) Muell.-Arg. [B] *Ricinus communis* L. [C] *Antidesma acidum* Retz. [D] *Dendrocnide sinuata* (Bl.) Chew [E] *Pouzolzia zeylanica* (L.) Benn. [F] *Streblus asper* Lour.



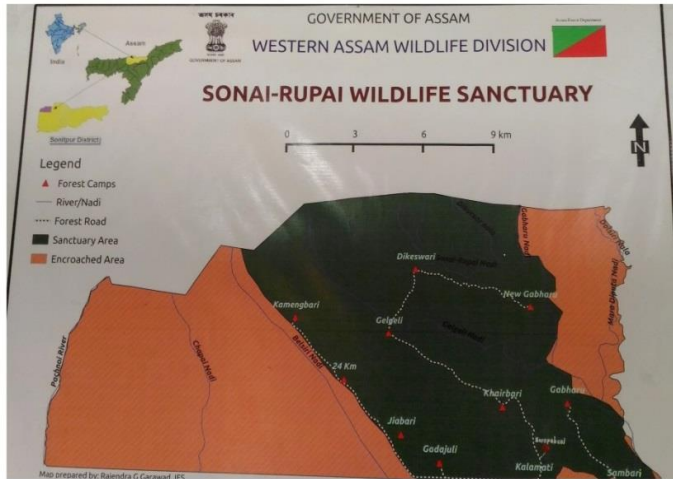
**PLATE 20:** [A] *Ficus benghalensis* L. [B] *Ficus hispida* L. f. [C] *Ficus racemosa* L. [D] *Ficus elastica* Roxb. [E] *Ficus religiosa* L. [F] *Ficus pumila* L.



**PLATE 21:** [A] *Castanopsis indica* A. DC. [B] *Artocarpus lacucha* Buch.-Ham. [C] *Ceratophyllum demersum* L.



**PLATE 22:** Landscape of Nameri National Park

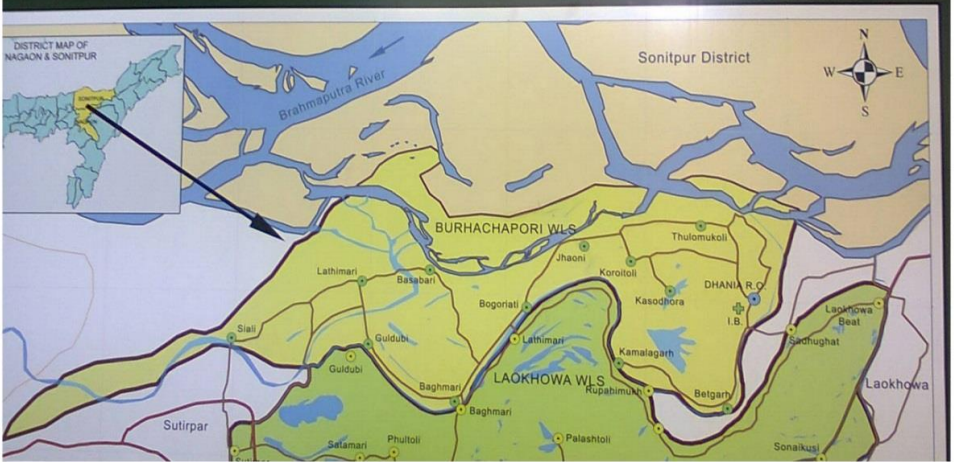


**PLATE 23: Landscape of Sonai Rupai Wildlife Sanctuary**



# LAOKHOWA BURHACHAPORI WILDLIFE SANCTUARY COMPLEX

Nagaon Wildlife Division, Kaziranga Tiger Reserve



**PLATE 24:** Landscape of Burhachapori Wildlife Sanctuary



**LIST OF PUBLICATIONS**

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**A. Journal**

1. **Sarma, J.** and Devi, A. Ethnomedicinal wisdom of Garo community from erstwhile Sonitpur District of Assam, Northeast India. *Pleione* 11(2): 429-439, 2017.
2. **Sarma, J.,** Dutta, G., and Devi, A. Capsicum Sonitpurensis (Solanaceae) - A New Species from Assam, India. *Bangladesh Journal of Plant Taxonomy* 24(2): 215-218, 2017.
3. **Sarma, J,** Roy, D.K., Sarania, B., and Devi, A. A note on extended distribution and IUCN status of *Pyrenaria khasiana* R.N. Paul var. *lakhimpurensis* N.Odyuo & D.K.Roy - an endemic Theaceous plant of Eastern Himalaya. *NeBio* 8(2): 108-110, 2017.
4. **Sarma, J.** and Devi, A. Role of dicot angiosperms in the livelihood of Mishing community in Sonitpur district, Assam, India. *Tropical Plant Research* 3(3): 662-672, 2016.
5. **Sarma, J.,** Devi, A., and Sarma, G.C. Exploration of non-timber forest produces (NTFPs) used by the Mishing community in Sonitpur district of Assam, India, *Pleione* 10(1): 23-31, 2016.

**B. Book Chapter**

1. **Sarma, J.,** Devi, A., and Sarma, G.C. *Ethnobotanical enquiries of medicinal plants used by Munda community for human and animal care in Sonitpur district of Assam, India*, in Natural resources – utilizing and conserving for human welfare and

sustenance, DN Singha (Ed.), Global Publishing House (India), Pg. 30-41, 2016. ISBN- 978-93-81563-75-5.

2. Devi, A., **Sarma, J.**, and Kumar, A. *An Appraisal of Ethno-Botanical Approaches in North Eastern States of India*, in Natural resources – utilizing and conserving for human welfare and sustenance (Compendium of Botanical research in Eastern India), P. Medhi, H. Roy & A. Sarma (Eds.), EBH publications (India), Pg. 373-408, 2017.
3. **Sarma, J.** and Devi, A. *Wild Edible Plants used by Munda, Mishing and Garo community of Erstwhile Sonitpur district of Assam, India*, in Wild Edible Plants of India, K.J. Singh (Ed.), Astral International Publication, New Delhi, India (In Press).
4. **Sarma, J.** and Devi, A. *Figs of Erstwhile Sonitpur district of Assam, India*, in AK Das Felicitation Volumes, A.P. Das & H. Tag (Eds.) (Accepted).

#### C. Conference papers

1. **Sarma, J.**, Devi, A., Rakshit, K. and Munda community of Sonitpur. *Study on medicinal plants used by Munda community for human and animal care in three villages of Sonitpur district, Assam*. International Conference at Dibrugarh University during 11 – 13<sup>th</sup> March 2015.
2. **Sarma, J.** and Devi, A. *Investigation of NTFPs used by tribal peoples for livelihood status in Sonitpur district of Assam, India*. National Conference at Arya Vidyaapith Collage, Guwahati during 6 – 7<sup>th</sup> November 2015.

3. **Sarma, J.** and Devi, A. *Livelihood patterns of Mishing community in relations with the dicot angiosperms – a study from Sonitpur district of Assam, India.* International Conference on Global Biodiversity, Climate Change and sustainable development (ICBCS-2016) during 15-18<sup>th</sup> October, 2016 at RGU, Itanagar.
4. **Sarma, J.** and Devi, A. *Note on ethnobotanical activity of Garo community from Sonitpur district of Assam, India.* National Conference on Understanding Himalayan Phytodiversity in a Changing Climate during 9-10<sup>th</sup> March, 2017 at Gangtok Sikkim.