

35 New Records from Bangladesh

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ABSTRACT AND INTRODUCTION

Osbeckia muralis Naudin. First published in Ann. Sci. Nat., Bot., sér. 3, 14: 56 (1850).

The liverwort species *Pallavicinia levieri* was first published in 1898 by the botanist Victor Schiffner. *Melothria pendula* L. First published in Sp. Pl.: 35 (1753). *Lasianthus jackianus* Wight First published in Calcutta J. Nat. Hist. 6: 502 (1846). *Dendrobium loddigesii* Rolfe. First published in Gard. Chron., ser. 3, 2: 155 (1887). *Ixora coccinea* var. *caudata* Pierre ex Pit. First published in H.Lecomte, Fl. Indo-Chine 3: 324 (1924). *Hypochaeris radicata* L. First published in Sp. Pl.: 811 (1753). *Heliconia psittacorum* L.f. First published in Suppl. Pl.: 158 (1782).

Eranthemum erythrochilum J.R.I.Wood. First published in Edinburgh J. Bot. 51: 180 (1994).

Dombeya burgessiae Gerrard ex Harv. First published in W.H.Harvey & auct. suc. (eds.), Fl. Cap. 2: 590 (1862). *Dischidia platyphylla* Schltr. *Toona sinensis* (A.Juss.) M.Roem. First published in Fam. Nat. Syn. Monogr. 1: 139 (1846). First published in Philipp. J. Sci. 1(Suppl.): 300 (1906). *Bulbophyllum longiflorum* Thouars. First published in Hist. Orchid.: t. 98 (1822). *Adenia hondala* (Gaertn.) W.J.de Wilde. First published in Blumea 15: 265 (1967 publ. 1968). *Alternanthera brasiliensis* (L.) Kuntze. First published in Revis. Gen. Pl. 2: 537 (1891). *Eugenia uniflora* L. *Xerochrysum bracteatum* (Vent.) Tzvelev. First published in Novosti Sist. Vyssh. Rast. 27: 151 (1990). First published in Sp. Pl.: 470 (1753). *Turpinia montana* (Blume) Kurz

First published in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 44: 182 (1875). *Strobilanthes recurve*

C.B.Clarke. First published in J. Linn. Soc., Bot. 25: 52 (1889). *Pluchea lanceolata* (DC.) C.B.Clarke. First published in Compos. Ind.: 94 (1876). *Sesbania sesban* (L.) Merr. First published in Philipp. J. Sci., C 7: 234 (1912). *Sabia lanceolata* var. *siamensis* Water. First published in Blumea 26: 43 (1980). *Arthraxon lanceolatus* (Roxb.) Hochst. First published in Flora 39: 188 (1856). *Calamus rotang* L. First published in Sp. Pl.: 325 (1753). *Pluchea lanceolata* (DC.) C.B.Clarke. First published in Compos. Ind.: 94 (1876). *Cardamine flexuosa* With. First published in Arr. Brit. Pl., ed. 3. 3: 578 (1796). *Centaurea cyanus* L. First published in Sp. Pl.: 911 (1753). *Coleus prostratus* (Gürke) A.J.Paton. First published in PhytoKeys 129: 86 (2019).

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1. *Adenia hondala* (Gaertn.) W.J.de Wilde

Common name - Pota-honda, Poisonous Passion. Bengali name – বিষ আনারকলি

Description: A perennial climber that grows from a large, irregular tuberous rootstock. It features woody stems that are thickened at the nodes and possess long, wiry tendrils used for climbing. Leaves are alternate, large, and palmately divided into three to five lobes. Flowers are greenish-white or pale yellow, bell-shaped, and usually bloom on the tendrils. The fruit is a capsule that turns bright orange when ripe, resembling passion fruit, but it is highly poisonous.



Adenia hondala (Gaertn.) W.J.de Wilde



Location: Bogura and Lawachara (Sylhet)

2. *Alternanthera brasiliana* var. *brasiliana*.

English name - Purple Alternanthera. Bengali name – রুবি পাতা

Description: Its foliage which can range from greenish-purple to deep burgundy, often with pinkish or reddish margins. Leaves are opposite, simple, and hairy. Stems are erect to sprawling, often reddish or green, and hairy when young, becoming smoother with age. Flowers: Small, white, button-like flowers form dense, spherical heads in the leaf axils and at stem tips, blooming primarily in cooler seasons in temperate zones. Size: Typically grows 1 to 3 feet (30-90 cm) tall, with a similar spread, though larger in ideal conditions.



Alternanthera brasiliana var. *brasiliana*



Location – RDA Campus, Bogura

3. *Arthraxon lanceolatus* (Roxb.) Hochst.

English name - Clasping-Leaf Carpetgrass Bengali name – কার্পেট ঘাস

Description: Annual herb, often with prostrate (decumbent) stems, forming loose tufts from a knotty base. Stems (Culms): Up to 60 cm long, can be hairy (ciliate/pilose), with hair length often increasing upwards. Leaves: Ovate-lanceolate, 1.5-5 cm long, strongly fringed with stiff hairs (tuberculate-ciliate) along the margins, and have a rounded, hairy sheath. Inflorescence: Several (2-8) racemes (flower spikes) per plant, each 4-8 cm long, with hairy internodes.

Spikelets (Sessile): 5-7 mm long, lance-shaped, with a strongly convex lower glume that has spiny (spinulose) keels and often bumps (muricate) on the back. Awn: The upper lemma has a distinct, bent (geniculate) awn, 8-15 mm long. Stalked Spikelets: Smaller, lanceolate, with one barren and one male floret. Ligule: A fringed membrane (eciliate membrane).



4. *Bulbophyllum moniliforme* C.S.P.Parish & Rchb.f.

English name - Green Pearls Orchid Bengali name – সবুজ মুক্তা অর্কিড

Description: A true miniature orchid with extremely small foliage and blooms. Pseudobulbs: Small, 3-5 mm in diameter, giving it a 'necklace' appearance. Flowers: Tiny (up to 2-3 mm), often pale green or yellowish, with subtle markings, appearing on slender spikes. (Location – Bandarban, CHT).



5. *Bulbophyllum longiflorum* Thouars

English name - long-flowered bulbophyllum. Bengali name – লম্বা ডাঁটির অর্কিড/মরিচ অর্কিড

Description

Growth habit: Epiphytic (growing on trees) or occasionally lithophytic with a creeping, woody rhizome. Pseudobulbs: Widely spaced or clustered dark green, obliquely conical pseudobulbs. Leaves: A single, fleshy, oblong-elliptic leaf sits at the apex of each pseudobulb, growing up to 20 cm long. Flowers: A slender, wiry stalk up to 20 cm long rising from the base of the pseudobulb. Arrangement: 5 to 10 flowers spread outward in a semicircular umbel or half-umbrella shape. Color and Shape: Canoe-shaped flowers ranging from greenish-cream or clear yellow to light purple, heavily marked with dark purple dots or blotches. Lateral sepals are elongated and twisted, giving them a distinct spearhead appearance. Scent: The flowers can carry a faint or distinctive, sometimes foul or musky scent to attract pollinators. (Location – Bandarban, CHT).



6. Calamus rotang L.

English name - Rattan/Rattan Cane. Bengali name – লতা বেত/ঝুড়ি বেত

Description: A climbing palm (liana) forming thickets, with stems that can grow over 30 meters long. Stems (Canes): Slender (8-16mm diameter), very flexible, smooth bark, often with long internodes (over 40cm). Leaves: Pinnate, up to 80cm long, with a prominent "knee" on the leaf sheath. Spines: Sheaths and petioles are armed with sharp, downward-pointing spines, and midribs have hooks, helping it climb. Flagellum: A long whip-like structure, about 2 meters, also spiny. Flowers & Fruit: Dioecious (male/female on separate plants); fruits are small, round, with scales, and vary in taste. (Location – Ratargul, Sylhet).



Calamus rotang L.

Location: Khadimnagar, Sylhet.

7. *Cardamine flexuosa* With.

English name – Wavy Bittercress. Bengali name – ঢেউপাতার তিতা শাক

Description: Small, often branched, erect, or decumbent herb, growing up to 50 cm tall, usually annual or biennial. Stems: Hairy, especially lower down, and noticeably wavy (flexuous). Leaves: Compound (pinnate) with 3-6 pairs of narrow-ovate to rounded leaflets, often sparsely hairy. Flowers: Small, white petals, typically with 6 stamens (a key identifier). Fruits: Slender, linear seed pods (siliques) 10-25 mm long, on curved stalks (pedicels).



Cardamine flexuosa With.



Location: RDA Campus, Bogura

8. *Centaurea cyanus* L.

English name – Cornflower. Bengali name – ব্যাচেলরদের বাতাম

Description: Annual herb, growing up to 1 meter (3 ft) tall. Stems: Erect, wiry, branched, covered in cottony hairs (tomentose). Leaves: Grey-green, linear to lanceolate, often with cottony hairs, lower leaves can be lobed. Flowers: Solitary heads (1.5-3 cm wide) with a ring of large, bright blue ray florets (sterile) and a center of smaller reddish-purple disc florets (fertile). Bracts: The flower base (involucre) has fringed, papery bracts, often with silvery-white or brown tips. Fruit: A silvery-grey, hairy achene (seed) with fine bristles (pappus).



Centaurea cyanus L.



Location: RDA Campus, Bogura

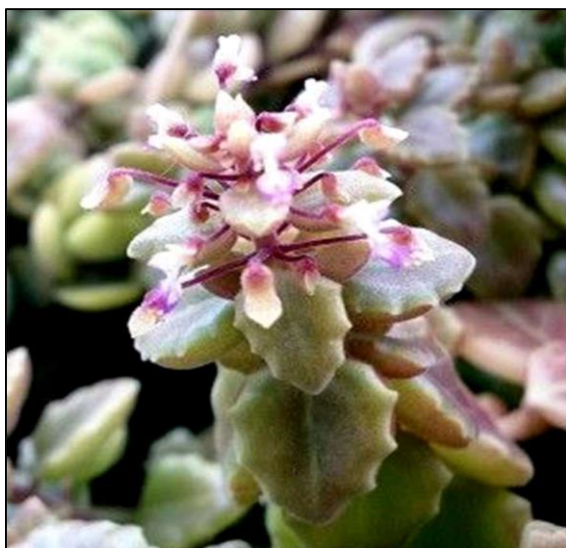
9. *Coleus prostratus* (Gürke) A.J.Paton

English name – Pillow plant. Bengali name – কুশন লতা

Description: Spreading, mounding, and cascading habit that roots at the nodes to form dense, low mats or trail gracefully from hanging baskets.

Stems: Soft, much-branched, and trailing. Leaves:

Small, thick, fleshy, and ovate with toothed (serrate) margins, arranged in opposite pairs. They are bright lime-green, but develop striking purple or burgundy lines along the edges when exposed to bright light or sun stress. Flowers: Tiny, tubular flowers that are white with subtle violet or purple tints, emerging from the leaf axils. (Location – RDA Campus, Bogura).



10. *Dendrobium loddigesii* Rolfe

English name – Loddiges' Dendrobium Bengali name – লিডেজস ড্যানড্রোবিয়াম

Description: Stems: Tufted, pendant, jointed (many-noded) canes reaching about 10 to 25 cm long, covered in white sheaths. Leaves: Alternate, fleshy, oblong, and acute, measuring 2 to 5 cm long, which fall off during the cooler winter rest period. Roots & Habit: Can grow as an epiphyte on trees or a lithophyte on rocks in humid mountain forests. Appearance: Large relative to the plant size (about 3 to 5 cm across), with pale pink to lavender-rose sepals and petals. Lip (Labellum): Broad, round, heavily fringed (fimbriated) on the edges, and a vivid golden-yellow or egg-yolk color in the center. Fragrance: Emits a sweet, light, pleasant scent. Blooming Season: Late winter to spring, emerging directly from the nodes of leafless older canes. (Location – Bandarban, CHT).



11. *Dischidia imbricata* (Blume) Steud.

English name – Kidney Bean Dischidia

Bengali name – কিডনী পিপিলকা লতা Description: Fleshy, kidney-shaped leaves that are often convex and overlap tightly, resembling roof tiles (imbricated), with reddish undersides. Growth Habit: A trailing or twining vine that climbs surfaces like tree trunks (its natural host) or moss, rooting along its stems. Symbiotic Nature: Sometimes forms a symbiotic relationship with ants, which protect the plant from pests in exchange for shelter in its leaf cavities. Flowers: Produces small, urn-shaped white flowers in clusters during summer.

(Location: Bandarban, CHT).



12. *Dischidia platyphylla* Schltr.

English name - Flat-leaf Dischidia

Bengali name – চ্যাপ্টা পাতার কলস লতা

Description

Foliage & Growth: Produces thin, twining stems that climb or trail. Its round, thick, flattened leaves press tightly against surfaces (like tree bark) in a shingle-like pattern. As the plant matures, it can develop specialized hollow or curved "ant leaves" (domatia) that act as shelters for ant colonies. The plant benefits from debris brought by the ants. Flowers: Produces small, inconspicuous, waxy tubular flowers in shades of creamy white, pale yellow, or pink. (Location – Bandarban, CHT).

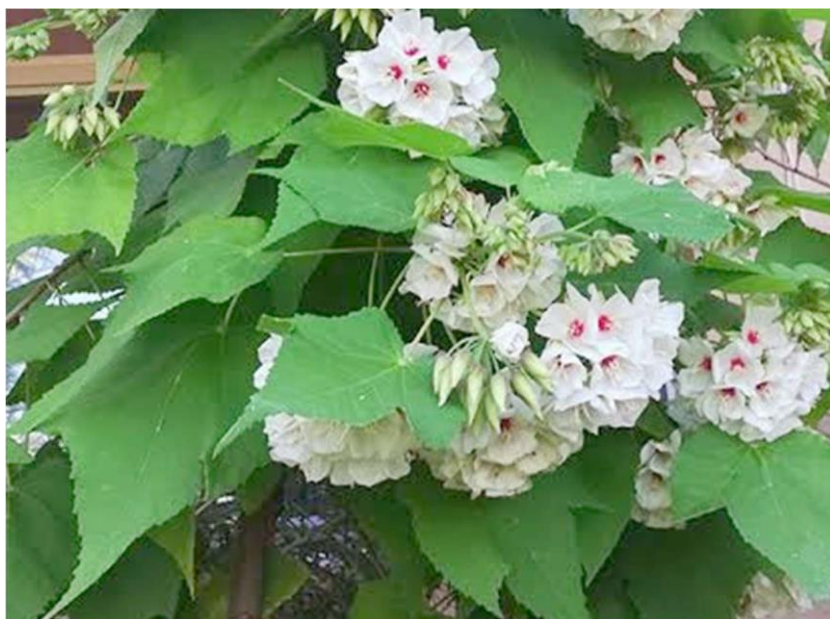


13. *Dombeya burgessiae* Gerrard ex Harv.

English name - Pink dombeya Bengali name – গালাপিডিয়া

Description

Bushy, fast-growing, semideciduous shrub or multistemmed small tree. Leaves: Large, grey-green, softly hairy, with shallow lobes or heart shapes. Flowers: Cupshaped, fragrant, ranging from white to deep pink with darker centers, grouped in dense, drooping terminal clusters. Fruit: Small, round, furry brown capsules containing tiny seeds. (Location – Dhaka).



14. *Eranthemum erythrochilum* J.R.I.Wood

English name - Pink Eranthemum Bengali name – গোলাপি ইরানেথমাম

Description

Stems: Upright and hairy (pubescent). Leaves: Subentire (nearly smooth margins) with soft hairs. Flowers: Arranged in single terminal spikes (3–12 cm long). Color: Light bluish when young, turning to a striking crimson or red. Corolla: Features a long, slender tube (27–39 mm) with extended stamens and style. Bracts: Ellipticobovate shapes covered in glandular hairs. (Location – Boga Lake, Bandarban, CHT).

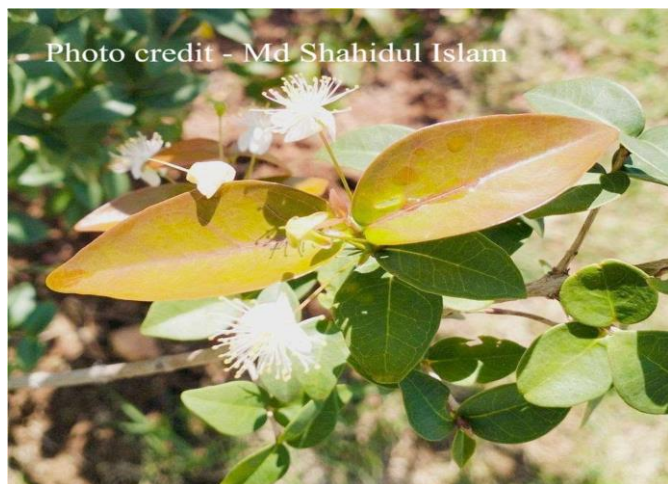


15. *Eugenia uniflora* L.

English name - Surinam cherry Bengali name – সুরিনাম চেরী

Description

Growth Habit: Large shrub or small tree with a dense canopy, growing slowly up to 7–8 meters. **Leaves:** Opposite, glossy, ovate to elliptic leaves (2.5–7 cm long). New flush leaves emerge coppery-pink or bronze before turning deep green. **Flowers:** Small, white and fragrant flowers featuring four petals and a prominent cluster of 50–60 white stamens with yellow anthers. **Fruit:** Distinctive, deeply 7-to-8 ribbed, pumpkin-shaped berries (2–4 cm wide) that transition from green to orange, bright red, and deep maroon-purple as they ripen. (Location – RDA Campus, Bogura).



16. *Eulophia andamanensis* Rehb.f.

English name - Andaman Eulophia

Bengali name - আন্দামানের ইউলোফিয়া

Description

Growth Habit: Sympodial ground orchid with a thick rooted, bulbous stem base forming conical pseudobulbs. **Leaves:** Linear-lanceolate, grassy leaves that are often short or absent during the peak flowering period. **Inflorescence:** Long, erect spikes ranging from 0.6 to 1.3 meters tall, bearing multiple long-lasting flowers. **Flowers:** Pale green to yellowish-green sepals and petals (about 2 cm long), complemented by a distinct ruffled lip that is green at the base, white in the center, and patterned with horizontal maroon striations.

(Location – Bandarban, CHT).



17. *Euphorbia cyathophora* Murray

English name - Painted leaf Bengali name – তিতলি ফুল

Description

Height: Reaches 2 to 3 feet (0.6 to 0.9 meters) tall with an upright, green, hollow stem. Leaves: Alternate or opposite, highly variable in shape, often fiddle-shaped (pandurate), lanceolate, or oval with smooth or wavy margins. Bracts: The uppermost leaves (bracts) feature vivid red, orange, or pink blotches near the base, mimicking a poinsettia. Flowers: Inconspicuous, tiny yellowish-green cup-shaped structures called cyathia located at branch tips. Fruit & Seeds: Produces a three-lobed capsule containing small, oval, brownish-black seeds.

(Location – Rajshahi).



18. *Heliconia psittacorum* L.f.

English name - Parakeet flower Bengali name – তোতাপাখি ফুল

Description

Grows between 2 to 6 feet (0.6 to 1.8 meters) tall. Leaves: Smooth, dark green, oblonglanceolate blades resembling banana leaves, measuring up to 15–30 cm (or longer) with long petioles. Inflorescences: Erect, slender flowering stalks holding bright, upcurved bracts colored in vivid shades of red, orange, or yellow. Flowers: Small, delicate true flowers tucked inside the tough bracts, usually yellow or greenish with dark tips. Fruit: Small, oblong capsules that ripen from orange to a deep blue-purple color.

(Location-RDA campus, Bogura).



19. *Hypochaeris radicata* L.

English name - Hairy cat's ear

Bengali name – বিড়ালের কান

Description

Leaves: Form a flat basal cluster; they look rough and hairy with wavy or lobed edges, unlike the smooth leaves of a true dandelion. Stems: Tall, thin, smooth or slightly hairy, and often branch near the top, containing a milky sap. Flowers: Small, bright yellow, dandelion-like flower heads that turn into fluffy seed pods with feathery bristles. Roots: Deep, strong taproot that helps the plant survive dry weather and makes it hard to pull up.



20. *Isachne gracilis* C.E. Hubb.

English name - Gracilis Grass

Bengali name – গ্রাসিলিস ঘাস

Description: Annual herb, growing 5-25 cm high. Stems (Culms): Slender, erect or bent (geniculate), with hairless nodes. Leaves: 1-3 cm long, oblongelliptic, sparsely hairy.

Ligule: Membranous or obscure. Inflorescence: Lax (loose) panicles, 1-10 cm long.

Spikelets: Spherical, 0.5-1 mm long, with hairy lower glumes and sparsely hairy upper glumes. (Location: Khadimnagar, Sylhet).



21. *Ixora coccinea* var. *caudata* Pierre ex Pit.

English name - Burning love Bengali name – জলন্ত হৃদয়

Description

Simple, opposite leaves featuring smooth margins, generally sharing the leathery texture of the species but marked by a caudate (tapering into a long, tail-like tip) apex. Flowers: Tubular, vibrant red or orange-red flowers grouped in dense, flat-topped or rounded terminal clusters (corymbose cymes). Corolla: Features a long, slender floral tube characteristic of the *Ixora coccinea* complex, opening into spreading petal lobes. Fruit: Produces small, fleshy spherical berries turning red to dark purple upon maturity.

(Location - RDA Campus, Bogura).



22. *Lasianthus jackianus* Wight

English name - Wool flower Bengali name – উল ফুল

Description: Large shrub or small tree, typically 1-3 meters tall, sometimes up to 5m.

Branchlets: Hirsute (covered in bristly hairs) and often horizontal. Leaves: Opposite, oblong to elliptic, with pointed (caudate-acuminate) tips, entire margins, and hairy undersides, with 7-8 pairs of prominent nerves. Flowers: White, sessile (stalkless), with four lobes, arranged in cymes in leaf axils. Fruits: Globose drupes (berry-like fruits) that are hairy, often blue or purple, with four distinct ridges and grooves, containing four bony seeds (pyrenes). (Location: Bandarban, CHT).



Lepidagathis incurva var. *lophostachyoides* (Nees) Abeyw.



Location: Ratargul, Sylhet.

23. *Lepidagathis incurva* var. *lophostachyoides* (Nees) Abeyw.

English name – Curved Lepidagathis. Bengali name – হেলমেট ফুল

Description: Diffuse, much-branched herb, growing 1-2 feet tall, often spreading. Leaves: Opposite, elliptic to oblong-ovate, 2.5-11 cm long, minutely velvety, with a sharp tip and distinct leaf stalks. Inflorescence: Dense, oblong-ovoid spikes in leaf axils or at branch ends, 1.5-3.5 cm long, with flowers arranged in a single row (secund). Flowers: White with brown spots, about 610 mm long; corolla 2-lipped (upper lip erect, lower 3-lobed), with a short tube. Calyx: 5-parted, with unequal, linear-lance-shaped sepals, often pubescent. Fruit: A hairy, oblong-discooid capsule. Bracts: Lance-shaped to ovate, velvety, sharp-tipped, enclosing the flowers.



24. *Melothria pendula* L.

English name - Mouse melon

Bengali name – ইঁদুর শসা

Description: A climbing or trailing annual vine, reaching several feet long. Leaves: Alternate, palmate (3-5 lobes), somewhat rough, with tendrils nearby for climbing. Flowers: Small, yellow, cupshaped, with 5 petals, appearing solitary or in small clusters in leaf axils. Fruit: A small, round berry (1-2 cm), green with light spots when unripe (tastes like cucumber), turning black when mature (strong laxative). (Location – RDA Campus, Bogura).



25. *Osbeckia muralis* Naudin

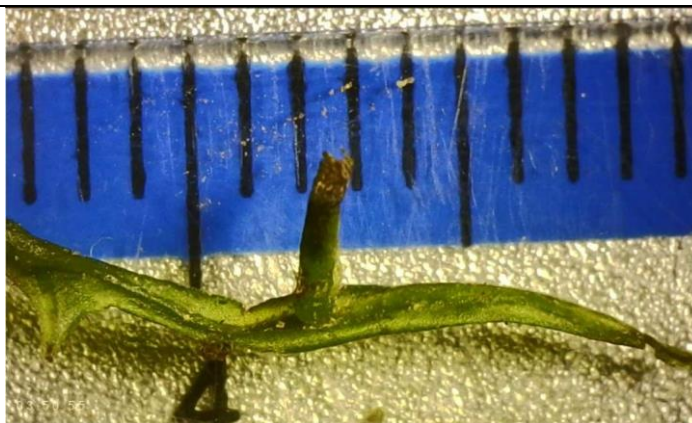
English name – Wall Osbeckia.

Description: Small, erect, annual herb, sometimes a shrublet, growing 10-60 cm tall, often found on walls or rocky areas. Stems: Erect, four-angled, covered with stiff hairs (hirsute). Leaves: Opposite, elliptic to oblong, 13 cm long, densely hairy on both sides, with 3 prominent parallel veins from the base, on short stalks. Flowers:

Purple to magenta, 4-petaled (tetramerous), borne in few-flowered terminal clusters (cymose). Fruit: Oblong, ribbed capsule. (Location – Bandarban, CHT).



Pallavicinia levieri



Location: Khadimnagar, Sylhet.

26. *Pallavicinia levieri*

English name - Liverwort Bengali name – লিভার পল্লাভিসিয়া

Description: A simple, prostrate (lying flat) thallus, appearing like a green ribbon or leafy structure on wet surfaces. Size: Small, typically 2–3 cm long and 1–2 cm wide, with the thallus generally 3–6 cm long and 4–5 mm broad, according to some sources. Color: Yellow-green to dark green. Thallus Structure: Contains a prominent central midrib, with the rest of the thallus being only one cell layer thick (unistratose). Margins: Edges can be entire (smooth) or irregularly lobed and feature small, hair-like teeth or slime hairs.



Pluchea lanceolata (DC.) C.B.Clarke



Location: Khadimnagar, Sylhet.

27. *Pluchea lanceolata* (DC.) C.B.Clarke

English name - Indian Camphorweed. Bengali name - সারমাই

Description: Erect, bushy undershrub, growing 30-100 cm tall. Stems: Slender, terete (cylindrical), often whitish-green, with fine hairs (pubescent). Leaves: Sessile (no stalk), oblongoblanceolate (lance-shaped), leathery (coriaceous), covered in soft hairs (silky pubescent) on both sides, with entire or slightly serrated margins, ending in a tiny point (mucronate). They release a faint camphor smell when crushed. Flowers: Small (3-5 mm), ovoid or campanulate (bell-shaped), purplish-pink, arranged in dense, compound terminal clusters (corymbs).



28. *Pluchea ovalis* (Pers.) DC.

English name – Woolly camphor-weed.

Bengali name – কর্পূর ঝোপ

Description: Tall, much-branched shrub or woody herb forming rounded clumps, aromatic. Stems: Erect, striate, glandular pubescent, sometimes with decurrent wings. Leaves: Grey-green, sessile, obovate to elliptic, coarsely toothed, with auriculate (ear-like) bases and decurrent wings; hairy above, woolly below. Flowers: Small capitula (heads) in terminal corymbs, white to pale pink or mauve, with purple corollas. Florets: Many marginal female florets, few central bisexual florets; anthers are tailed. (Location – Sitakunda).



29. *Polyscias balfouriana* (André) L.H.Bailey

English name - Dinner plate aralia. Bengali name – ডিনার পাতার এরালিয়া

Description

Growth Habit: An upright, bushy shrub that reaches 2 to 6 feet tall indoors, though it can grow much taller in tropical outdoor landscapes. Stems and Bark: Features stiff, woody, gray-to-dark brown stems with twisting branches that resemble a miniature tree. Leaves: Leathery, rounded, or kidney-shaped leaflets (often in groups

of three) with scalloped or tooth-like edges. Standard types feature glossy dark green leaves, while popular cultivars like 'Marginata' display striking creamywhite or milk-white leaf borders. Flowers: Produces rare, tiny umbels of white or cream-colored flowers, though it almost never blooms when grown indoors. (Location – RDA Campus, Bogura).



30. *Praxelis clematidea* (Hieron. ex Kuntze) R.M.King & H.Rob

English name - Giant Bluetop. Bengali name – নীল ছাগলদাড়ি

Description: Leaves: Opposite, 2.5–6 cm long, and 1–4 cm wide; they are ovate-to-rhomboid (diamond-shaped) with acute tips and coarse, large teeth. When crushed, the leaves emit an unpleasant, pungent odor similar to cat urine or mint. Flowers: Small, lavender, lilac, or bluish flower heads (capitula) form in clusters at the ends of branches. Each head contains 25–40 florets, and the heads are 7–10 mm long and 4.5–5 mm wide. Stems: Erect, herbaceous, and densely covered in fine, soft, downy hairs. Seeds: Small (2–3 mm), black, and light, topped with a pale pappus of 15– 40 finely barbed bristles for wind dispersal. (Location – Dhaka).



31. *Pyrrosia heterophylla* (L.) M.G. Price

English name - Dragon scale fern

Bengali name – ড্রাগন ল ফার্ন

Description: Creeping, growing as an epiphyte (on trees) or lithophyte (on rocks). Rhizome: Slender, creeping, covered in brown, scaly structures (scales).

Fronds (Leaves): Sterile Fronds: Variable in shape (obovate, oval, rounded), fleshy, and responsible for photosynthesis.

Fertile Fronds: Longer, thinner, and linear, bearing spores on the underside.

Sori (Spore Clusters): Found on the lower surface of fertile fronds, appearing reddish-brown, and are of the acrostichoid type (covering the surface). Scales (Hairs): Stellate hairs (star-shaped) cover the fronds and rhizome, giving it a "felted" texture. (Location – Khadimnagar, Sylhet).



32. *Sabia lanceolata* var. *siamensis* Water English name - Lanceleaf Sabia

Bengali name – লেন্স পাতার সাবিয়া

Description: Woody climber or scandent (climbing) shrub, evergreen. Leaves 5–22 cm long by 1.5–10 cm wide. Inflorescence: Axillary or pseudo-thyrse (appearing like a thyrse if leaves fall), 1.5–7 cm long, hirsute (hairy). Flowers: Small, green to white, with ovate petals (2.5–3.5 mm) and a crown-shaped disc. Fruit (Drupelets): Not fully described for this variety, but typically obovoid, blue, with a faint reticulation in other *Sabia* species. (Rangamati-CHT).



Sesbania sesban var. *bicolor* (Wight & Arn.) F.W. Andrews



Location- Banesshar, Rajshahi

33. *Sesbania sesban* var. *bicolor* (Wight & Arn.) F.W. Andrews

English name – Bicolor Sesban. Bengali name – কাল জয়ন্তী

Description: Perennial shrub or small tree. Height: Grows up to 8 meters (26 feet). Leaves: Pinnately compound, with 6-27 pairs of small, oblong leaflets per leaf. Flowers: Bright yellow with distinctive purple or brown streaks; borne in racemes (clusters) of 2-20 flowers. Pods

(Legumes): Long (up to 30 cm), narrow, straight or slightly curved, containing 10-50 seeds.



34. ***Strobilanthes recurva* C.B. Clarke** English name - Manipur Coneflower.

Bengali name – কান ফুল

Description: A small, undershrub, reaching about 1.5 feet in height, with a soft, velvety hairiness. Leaves: Ovate (egg-shaped), pointed (acuminate), with rounded, toothed (serrated) margins, and longer stalks on lower leaves. Flowers: Purple, tubular trumpet shaped, about 1.25 inches long, nearly straight, borne in loose cylindrical spikes. Bracts: Broadly ovate, stalkless, persistent, green, glandular hairy, and fringed with hairs, with visibly recurved tips that give the plant its name. Fruit: Hairy capsules about 1.2 cm long, each containing four hairy seeds. (Location – Sylhet).



35. ***Toona sinensis* (A.Juss.) M.Roem.**

English name - Chinese toon.

Bengali name – তন গাছ

Description

Size: Grows 20 to 25 meters (up to 40 meters in native forests) tall, with a trunk diameter reaching 70 cm. **Bark:** Smooth and brown on young trees; becomes scaly, shaggy, and fissured with deep longitudinal splits as it ages. **Leaves:** Large, pinnate compound leaves measuring 50–70 cm long with 10–40 leaflets. Young spring leaves emerge in striking bright pink, reddish-brown, or purple shades before turning glossy green. **Scent:** Crushed leaves, twigs, and cut wood release a strong, distinct aroma reminiscent of garlic, onion, or pepper. **Flowers:** Small, white or pale pink petals grouped in large, pendulous summer panicles (30–50 cm long). **Fruit:** Woody, golden-brown capsules containing several winged seeds.

(Location – Rajshahi Cadet College, Rajshahi).



36. *Turpinia montana* (Blume) Kurz

English name - Malabar Bladdernut.

Bengali name – ব্লাডার ফল

Description: Small tree, reaching up to 10 meters in height, with light brown, vertically ridged bark. **Leaves:** Odd-pinnate (with an odd number of leaflets), typically 2-4 pairs, with ovate to elliptic, papery leaflets that have upward-pointing teeth and a pointed apex. **Flowers:** Small (around 3mm), dull light yellow, arranged in terminal panicles (branched clusters). **Fruits:** Small, irregular berries (5-12 mm), changing from green to glossy dark red or black, with a thin wall. (Location – CHT).



37. *Xerochrysum bracteatum* (Vent.) Tzvelev

English name – Strawflower. Bengali name – প্লাস্টিক ফুল

Description: Erect, branched, typically 20-80 cm tall, but can vary, sometimes annual, sometimes perennial, or even shrubby. Foliage: Green to grey-green, lance-shaped leaves, often hairy. Flowers: Daisy-like heads (1-5.5 cm wide) with bright, papery bracts (the "petals") in various colors, surrounding small yellow disc florets. Flowering: Spring to autumn, or most of the year in warmer climates.

(Location – RDA Campus, Bogura).

MATERIALS AND METHOD

Representative specimens (fertile twigs containing flowers, fruits, or spores) were collected and prepared using standard herbarium techniques (pressing, drying, and treating with chemicals to prevent deterioration). Listing the relevant regional floras, taxonomic revisions, monographs, and keys consulted to confirm the plant's identity and determine its differences from closely related species.

Specimen Examined

Zinia Nasrin Shumon, Herbarium sheet number – ZNS 353 (AAHBAU) to ZNS 391 (AAHBAU).

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CONCLUSION

Those 35-36 species from 23 family described as new records from Bangladesh latitude 20°34' N to 26°38' N and longitude 88°01' E to 92°41' E. From various districts from Bangladesh.

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32. *Sabia lanceolata* var. *siamensis* Water
33. *Sesbania sesban* var. *bicolor* (Wight & Arn.) F.W.Andrews
34. *Strobilanthes recurva* C.B.Clarke
35. *Toona sinensis* (A.Juss.) M.Roem.
36. *Turpinia montana* (Blume) Kurz
37. *Xerochrysum bracteatum* (Vent.) Tzvelev