

Rayat Shikshan Sanstha's
Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce
College, Kopargaon, Dist. Ahmednagar

DEPARTMENT OF BOTANY (2017-18)

Innovative activity of the Department

PLANT OF THE DAY

Date: 20 /01/2018

Department of botany has been carried out an innovative activity as 'Plant of the Day' in which students of M.Sc. I and M.Sc. II daily Identify, Describe and Classify the plant with the help of regional flora and showcase it as a plant of day at the entrance of Departments.

This activity helps the students to understand the basics of Taxonomy, generate interest among the students and also acquaint students about the local flora and its medicinal and local uses. During these years 82 Species were displayed.


Head
Department of Botany
S.S.G.M. College, Kopargaon




Principal
S.S.G.M. College
Kopargaon

Rayat Shikshan Sanstha's
Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani
Commerce College, Kopergaon, Dist. Ahmednagar-423601

DEPARTMENT OF BOTANY

PLANT OF THE DAY
2017-2018

BOTANICAL NAME: *Callistemon lanceolatus* (Curtis) Skeels

FAMILY: Myrtaceae

VERNACULAR NAME: Bottlebrush

DESCRIPTION:

Woody, erect tree, leaves sessile or subsessile, linear, sharp pointed, Flower sessile in the axile of deciduous bract. Petals pink to red deciduous. Stamens numerous filaments red capsule globose. Seeds numerous black.

Fls. -Sept. - Feb.

DISTRIBUTION:

Commonly cultivate in garden, Native to Australia

NOTES & USES:

1. Its leaves can also be used to make a tea and the blossom to sweeten it.
2. As for other uses a tan dye is made from the flowers, with a mordant they dye green.
3. The wood is hard, heavy, tough, and close grained. It's used for tool handles and fuel.




Principal
S.S.G.M. College
Kopergaon

The Sri Mukund Narayan
Sri Sadguru Gangadhar Maharaaj Science, Gauram Arts and Sanskrit
Commerce College, Kopergaon, Dist. Ahmednagar-423001

DEPARTMENT OF BOTANY

PLANT OF THE DAY
2017-2018

BOTANICAL NAME: *Calligonum leucostachyum* (Curtis) Stapf

FAMILY: Myrtaceae

VERNACULAR NAME: Euphorbia

DESCRIPTION:

Woody, erect herb. Leaves alternate, lanceolate, linear, sharp pointed. Flower sessile at the axils. Inflorescence a dense spike with pink to red bracts. Numerous stamens filaments are long. Style is long, numerous black.

Fl.-Sept. (Feb-)

DISTRIBUTION:

Common in the hills of the Western Ghats, India.

NOTES & USE:

1. Its leaves are used as a substitute for the leaves of the Mimosa to soothe a
2. As a substitute for the leaves of the Mimosa, with a woody they are green
3. The wood is used for the construction of the roof and the walls of the houses and for the construction of the roof and the walls of the houses.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2017-18)

BOTANICAL NAME- *Peltophorum pterocarpum* (DC.) Baker ex Heyne

FAMILY: Caesalpiaceae

VERNACULAR NAME: Gulmohar

DESCRIPTION:

Evergreen trees; young branches brown tomentose. Pinnae 9-15 pairs ; leaflets 10-20 pairs. Flowers in rather dense, terminal panicles shorter than the leaves. Petals bright yellow. Pods flat, red-brown, narrowly winged on both surfaces. Seeds 3-6 compressed, brown.

Fls. & Frts.: Throughout year.

DISTRIBUTION: Road side, Garden area

NOTES & USES:

1. Its bark is used as medicine for dysentery .
2. In Indonesia the bark is used for fermenting palm wine.




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S.S.G.M. College
Kopergaon

Ravi Sahasra Joshi
Shri Sadguru Gangadhar Maharaj Science, Gauram Arts and
Sanjivani Commerce College, Kopergaon, Dist. Ahmednagar

DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2017-18)

BOTANICAL NAME: *Pithecolobium pterocarpum* (DC.) Baker ex
Hryne

FAMILY: Caesalpiniaceae

VERNACULAR NAME: Gulmdhar

DESCRIPTION:

Evergreen tree; young branches brown tomentose. Pinnae 9-15
pairs. Leaflets 10-20 pairs. Flowers in rather dense, terminal panicles
shorter than the leaves. Petals bright yellow. Pods flat, red-brown,
narrowly winged on both surfaces. Seeds 3-6 compressed, brown.

Hb. & Frca: Throughout year.

DISTRIBUTION: Road-side, Garhwal area.

USES:

It is used as medicine for dysentery
and indigestion. The bark is used for fermentation.



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Commerce College, Kopargaon, Dist. Ahmednagar-423601

DEPARTMENT OF BOTANY

PLANT OF THE DAY

2017-2018

BOTANICAL NAME: *Clitoria ternatea* L.

FAMILY: Fabaceae

VERNACULAR NAME: Gokarn.

DESCRIPTION:

Perennials, twinig, Leaflets elliptic-oblong, sparsely hairy, apex obtuse, base acute or obtuse. Flowers bright blue, axillary, solitary. Corolla papiloinaceous. Ovary semiinferior, unilocular. Pods 5.5–6.5 × 0.3–0.5 cm, sharply beaked with 5 persistent seapls. Seeds 6-10, yellowish brown.

Fls. & Frts.: Throughout year.

DISTRIBUTION: Along hedges and also cultivated in garden.

NOTES & USES:

1. In Southeast Asia, the flower is used as a natural food coloring to color glutinous rice.
2. In traditional Ayurvedic medicine, it is ascribed various qualities including memory enhancing, nootropic, antistress, anxiolytic, antidepressant, anticonvulsant, tranquilizing, and sedative properties.




Principal
S.S.G.M. College
Kopargaon

Kavya Niketan Institute
Shri Sadguru Gangadhar Maharaj Science, Gender Arts and Sanskrit
College, Kargano, Dist. Akhonda, 423001

DEPARTMENT OF BOTANY

PLANT OF THE DAY

2017-2018

BOTANICAL NAME: *Citrofortunella* L.

FAMILY: Rutaceae

VERNACULAR NAME: Uddan

DESCRIPTION:

Perennial, woody climber, alternate, ovate, serrate, hairy, greenish-
tinted or white. Flowers bright blue, axillary, solitary. Corolla
papilionaceous. Ovary sessile, axillary. Pods 5.5-6.5 x 0.5-0.8 cm,
thick, beak with 3 persistent seeds. Seeds 4-10, softwood brown.

Fl. & Frt.: Throughout year

DISTRIBUTION: Along hedge and also cultivated in garden.

NOTES & USES:

1. In Fudhuan form, the flower is used in traditional medicine to cure
gastroenteritis.
2. In traditional Ayurvedic medicine, it is regarded various qualities
including digestive enhancing, antidiarrhoeal, antispasmodic,
antidyspeptic, anticonvulsant, analgesic, and sedative properties.



Principal
S.S.G.M. College
Kargano

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Commerce College, Kopargaon, Dist. Ahmednagar-423601

DEPARTMENT OF BOTANY

PLANT OF THE DAY
2017-2018

BOTANICAL NAME: *Cassia siamea* Lam.

FAMILY: Caesalpinnaceae

SYNONYM: *Senna siamea*

VERNACULAR NAME: Kassod

DESCRIPTION:

Evergreen trees. Leaflets ovate- elliptic, 6-14 pairs. Flowers in axillary and terminal racemes. Pods linear-oblong, thick margined, reticulately veined, tomentose. Seeds 20-30, greyish-brown.

Fls. & Frts.: May- Mar.

LOCALITY: College Campus

DISTRIBUTION: Along roadside.

NOTES & USES:

1. This plant has medicinal value and it contains a compound named barakol. The leaves, tender pods and seeds are edible.
2. Other uses include as fodder plant, in intercropping systems, windbreaks, and shelter belts.
3. As a hardwood, it is used for ornamentation on instruments (ukeleles and guitars) and decorative products.




Principal
S.S.G.M. College
Kopergaon

Prof. Shilpa Bhatia
Shri Sadguru Gangadhar Maharaj Science, Gauran Arts and Nanjvan
Commerce College, Kopergaon, Dist. Ahmednagar-423011

DEPARTMENT OF BOTANY
PLANT OF THE DAY
2017-2018

BOTANICAL NAME: *Cassia siamea* Lam.

FAMILY: Caesalpiniaceae

SYNONYM: *Samanea saman*

VERNACULAR NAME: Kandi

DESCRIPTION:

Evergreen tree. Leaves acute-elliptic, 6-14 pairs. Flowers in axils and terminal racemes. Pods immo-olig, thick winged, somewhat curved, venose. Seeds 20-30, greyish brown.

Fl. & Frt.: Mar-May

LOCALITY: College Campus

DISTRIBUTION: Along roadside

NOTES & USES:

1. This plant has medicinal value and it contains a compound named tannin. The leaves, tender pods and seeds are edible.
2. Other uses include as fodder plant, in silviculture system, windbreak and shelter belt.
3. As a hardwood, it is used for construction of instruments, furniture and gunny and decorative products.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY
2017-2018

BOTANICAL NAME: *Ixora coccinea* L.

FAMILY: Rubiaceae

SYNONYM: *Ixora*

VERNACULAR NAME: Bakora

DESCRIPTION:

Much branched shrubs; branchlets somewhat compressed. Leaves sessile or nearly so, sub chordate and amplexicaule at base, elliptic or oblong, obtuse, apiculate. Flowers numerous in dense, corymbiform, sessile or peduncled cymes. Drupe's purple- black at maturity.

Fls. & Frts.: Jan – Nov.

Locality: College Campus

DISTRIBUTION: Ornamental plant cultivated in garden.

NOTES & USES:

1. There are numerous named cultivars differing in flower color (yellow, pink, orange) and plant size.
2. Many new cultivars and hybrids of *I. coccinea* have come to market in the last couple of decades, leading to a resurgence in popularity for the beautiful flame-of-the-woods.




Principal
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Dr. B. S. Sahasrabudhe
Shri Sadguru Gangadhar Maharaaj Science, Gauram Arts and Sangivani
Commerce College, Kopergaon, Dist. Ahmednagar-423001

DEPARTMENT OF BOTANY

PLANT OF THE DAY

2017-2018

BOTANICAL NAME: *Isora coccinea* L.

FAMILY: Rubiaceae

SYNONYM: Isora

VERNACULAR NAME: Dalim

DESCRIPTION:

Shrub branched shrubs, branchlets somewhat compressed. Leaves sessile or nearly so, sub cordate and amplexicaul at base, elliptic or oblong, entire, apiculate. Flowers numerous in dense, axillary cymes, sessile or pedicelled cymes. Ovary 3 purple-black at maturity.

Fl. & Fruct. Jan - Nov.

Locality: College Campus

DISTRIBUTION: Ornamental plant cultivated in garden.

NOTES & USES:

1. There are numerous formal cultivars differing in flower color (yellow, pink, orange) and plant size.
2. Many new cultivars and hybrids of *I. coccinea* have come to market in the last couple of decades, leading to a resurgence in popularity for the beautiful *Rose-of-the-woods*.




Principal
S.S.G.M. College
Kopergaon

Rayat Shikshan Sanstha's
Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce
College, Kopargaon, Dist. Ahmednagar

DEPARTMENT OF BOTANY (2018-19)

Innovative activity of the Department

PLANT OF THE DAY

Date: 15 /01/2019

Department of botany has been carried out an innovative activity as 'Plant of the Day' in which students of M.Sc. I and M.Sc. II daily Identify, Describe and Classify the plant with the help of regional flora and showcase it as a plant of day at the entrance of Departments.

This activity helps the students to understand the basics of Taxonomy, generate interest among the students and also acquaint students about the local flora and its medicinal and local uses. During these years 78 Species were displayed.


Head
Department of Botany
S.S.G.M. College, Kopargaon
Head of Department




Principal
S.S.G.M. College
Kopargaon

Rayat Shikshan Sanstha's
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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2018-2019)

BOTANICAL NAME: *Nerium oleander* L.

FAMILY : Apocynaceae

VERNACULAR NAME: Kaner, Oleander etc.

DESCRIPTION:

Evergreen shrub (or small trees) that grow to approximately 6m. Sticky latex is exuded if the stem is cut. Leaves are usually in group of 3 and narrowly lanceolate. The flowers are tubular with 5 lobes, red or pink in the wild, but may be white, cream, yellow or purple in cultivars.

Fls. & Frts.: April to August

DISTRIBUTION: Northern Africa, Southern Europe.

NOTES & USES:

1. Ornamental, Medicinal and Treat patients with advanced malignancies.
2. Other uses treating ulcers, leprosy, to treat ringworm.




Principal
S.S.G.M. College
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Prasanna Sankar Sankar
Shri Sadguru Gangadhar Maharaj Science, Gantam Arts and
Sanjivani Commerce College, Kopargoon, Dist. Ahmednagar-423601

DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2018-2019)

BOTANICAL NAME: *Nerium oleander L.*

FAMILY: Apocynaceae

VERNACULAR NAME: Kanar, Oleander etc.

DESCRIPTION:

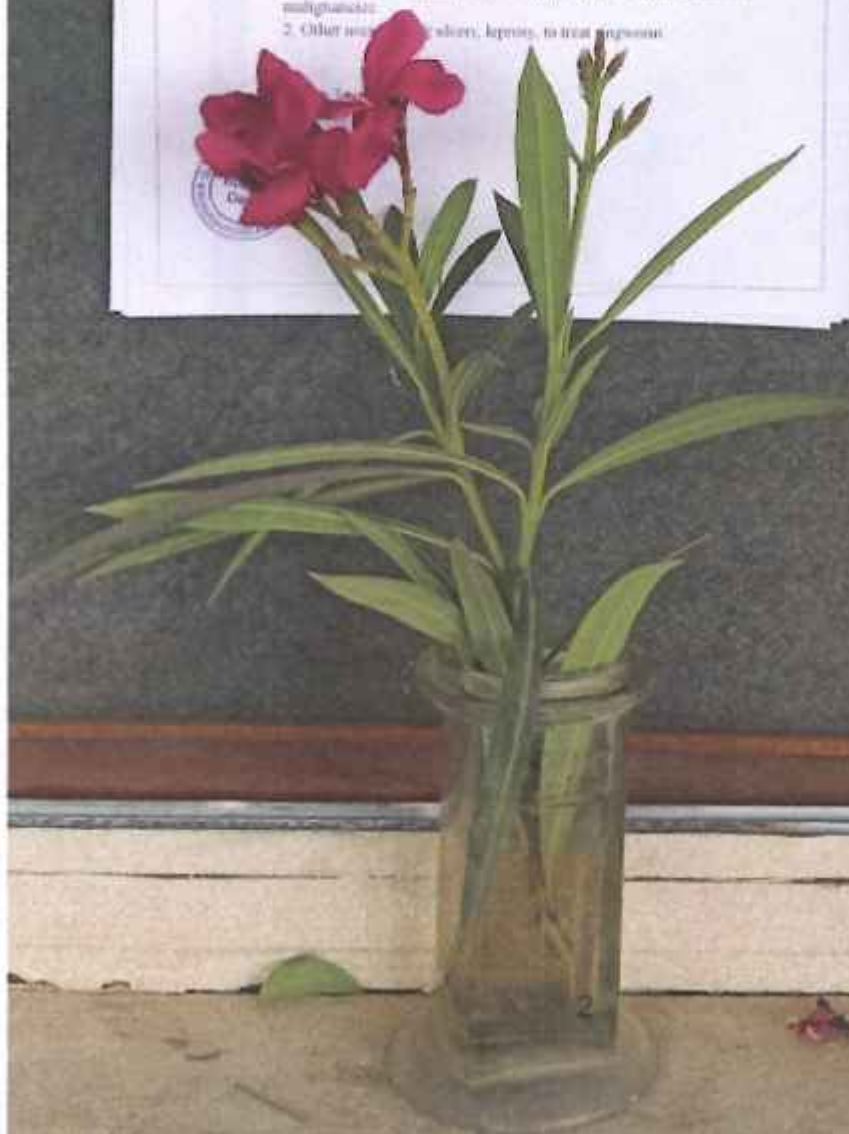
Evergreen shrub (or small trees) that grow to approximately 6m. Sticky latex is exuded if the stem is cut. Leaves are usually in group of 3 and narrowly lanceolate. The flowers are tubular with 5 lobes, red or pink in the wild, but may be white, cream, yellow or purple in cultivars.

Fl. & Frt: April to August

DISTRIBUTION: Northern Africa, Southern Europe

NOTES & USES:

1. Ornamental. Medicinal and Treat persons with advanced malignancy.
2. Other uses: To treat skin diseases, leprosy, to treat angina.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY
(2018-2019)

BOTANICAL NAME: *Caesalpinia pulcherrima* (L.) Sw.

FAMILY: Fabaceae

VERNACULAR NAME: Peacock flower, Shankhasoor

DESCRIPTION:

It is a shrub growing to 3m tall, semievergreen. The leaves are bipinnate 20-40 cm long, bearing 3-10 pair of pinnae, each with 6-10 pairs of leaflet 15-25 mm long and 10-15 mm broad. The flowers racemes up to 20 cm long.

Fls. &Frts.: May- June

DISTRIBUTION: Asia & West Indies Central America.

NOTES & USES:

1. Treatment of inflammation, ulcer, fever, malaria fever, and the leaves are act as antimicrobial agent.
2. The bark is used to treat diarrhea.




Principal
S.S.G.M. College
Kopergaon

Basu Shiksha Sanstha's
Shri Sadguru Gangaee Maharaj Science, Gauram Arts and
Sanjivani Commerce College, Kopargam, Dist. Ahmednagar-423601

DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2018-2019)

BOTANICAL NAME: *Caesalpinia pulcherrima* (L.) Sw.

FAMILY: Fabaceae

VERNACULAR NAME: Peacock flower, Shankhasaur

DESCRIPTION:

It is a shrub growing to 3m tall, semi-evergreen. The leaves are bipinnate 20-40 cm long, bearing 3-10 pairs of pinnae, each with 6-10 pairs of leaflet 15-25 mm long and 10-15 mm broad. The flowers racemes up to 20 cm long.

Fl. & Frt.: May-June

DISTRIBUTION: Asia & West Indies Central America

NOTES & USES:

1. Treatment of inflammation, ulcer, fever, malarial fever, and the leaves are act as antimicrobial agent.
2. The bark is used to treat diarrhea.



Shri Sadguru Gangaee Maharaj
Science, Gauram Arts and
Sanjivani Commerce College
Kopargam

Rayat Shikshan Sanstha's
Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani
Commerce College, Kopargaon, Dist. Ahmednagar-423601

DEPARTMENT OF BOTANY

PLANT OF THE DAY
2018-2019

BOTANICAL NAME: *Bougainvillea spectabilis* Willd.

FAMILY : Nyctaginaceae Juss.

VERNACULAR NAME : Boganvel

DESCRIPTION:

Large, thorny, straggling shrubs. Flowers in triads, 1-7, united into leafy terminal panicles, variously brightly colored and conspicuously veined. Perianth tubular, pale yellow or white within, purplish black and pubescent outside. Stamens usually 8, included.

Fls. & Frts.: Feb – June

DISTRIBUTION: Ornamental plant, commonly cultivated in garden

NOTES & USES:

1. *Bougainvillea spectabilis* has been reported to have anti-inflammatory, anti-bacterial, anti-viral, anti-tumor, anti-hypercholesterolemia, anti-hyperlipidemic, and anti-fertility properties.
2. The Yanadi tribe of Chittoor district, Andhra Pradesh, India, once used the leaves of *Bougainvillea spectabilis* to heal diabetes.
3. The plant is also widely grown as an ornamental plant.




Principal
S.S.G.M. College
Kopargaon

Shri Sadguru Gangaev Maharaj Science, Gauran Ashram Jyotsuni
Commerce College, Kopergaon, Dist. Ahmednagar-42601

DEPARTMENT OF BOTANY

PLANT OF THE DAY
2018-2019

BOTANICAL NAME: *Bougainvillea spectabilis* Willd.

FAMILY: Nyctagynaceae Juss

VERNAICULAR NAME: Begunol

DESCRIPTION:

Large, thorny, sprawling shrub. Flowers in truss, 5-7, round and fully
terminal panicles, usually slightly curled and very conspicuously veined. Perianth
lobes, pale yellow or white within, purplish black and pubescent outside.
Stamens usually 8, included.

Fls. & Frts. Feb - June

DISTRIBUTION: Ornamental plant, commonly cultivated in gardens

NOTES & USES:

1. *Bougainvillea spectabilis* has been reported to have anti-inflammatory, antibacterial, analgesic, anti-cancer, anti-hypercholesterolemia, anti-hyperlipidemia, and anti-tumor properties.
2. The Siamak tribe of Chhatar district, Andhra Pradesh, India, uses seed and the leaves of *Bougainvillea spectabilis* to treat diabetes.
3. The plant is also widely grown as an ornamental plant.



[Signature]
Principal
S.S.G.M. College
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Rayat Shikshan Sanstha's
Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani
Commerce College, Kopargaon, Dist. Ahmednagar-423601

DEPARTMENT OF BOTANY

PLANT OF THE DAY
2018-2019

BOTANICAL NAME: *Calotropis procera* (Ait.) R.Br.

FAMILY : Asclepiadaceae

VERNACULAR NAME : Rui

DESCRIPTION:

Erect shrubs. Leaves broadly ovate, obovate or obvate-oblong. Flowers in lateral umbellate cymes. Corolla lobes truncate with a recurved spur at base and without auricles at apex. Follicles boat shaped, recurved, cottony pubescent. Seeds ovoid, compressed, brown; coma silky white.

Fls. & Frts.: Throughout year.

DISTRIBUTION: Along roadside.

NOTES & USES:

1. The milky sap contains a complex mix of chemicals, some of which are steroidal heart poisons known as "cardiac aglycones".
2. In India the plant used for Devotion.




Principal
S.S.G.M. College
Kopargaon

Raya Shobhan Sasthi's
Sri G. S. G. Gangagar Mahara Science, Gauram Arts and Naujwan
Commerce College, Kopargan, Dist. Akardnagar-423001

DEPARTMENT OF BOTANY

PLANT OF THE DAY
2018-2019

BOTANICAL NAME: *Calotropis procera* (A.B.) R.Br.

FAMILY: Asclepiadaceae

VERNACULAR NAME: Roi

DESCRIPTION:

Plant shrubby. Leaves broadly ovate, show an or ovate-oblong. Flowers
in form of umbel-like cymes. Corolla lobes, imbricate with a recurved spot
at base and without auricles at apex. Tubular fruit thripal, recurved,
extern pubescent. Seeds ovoid, compressed, brown, coma silky white.

Fls. & Fruct: Throughout year

DISTRIBUTION: Along roadside

NOTES & USES:

1. The milky sap contains a complex mix of alkaloids, some of which are considered heart poisons known as "cardiac glycosides".
2. In India the plant used for Dye-station.



Principal
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Kopargan

Rayat Shikshan Sanstha's
Shri Sadguru Gangageer Maharaj Science, Gautam Arts and
Sanjivani Commerce College, Kopargaon, Dist. Ahmednagar

DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2018-19)

BOTANICAL NAME: *Cascabela thevetia* (L.) Lippold

FAMILY: Apocynaceae

VERNACULAR NAME: Yellow oleander or lucky nut, Bitti, Kaner

DESCRIPTION:

Evergreen shrub or trees with milky latex, about 3-5m tall. Leaves 8-11 X 0.5-0.8 cm, linear lanceolate with narrow ends. Flowers bright yellow, 3-4 cm across, in subterminal cymes, calyx 1-1.5 cm long, corolla 6-7 cm long, drupes 4-5 cm across with obscure angles.

Fls. & Frts.: June-Oct

DISTRIBUTION: Central & Southern Mexico & Central America

NOTES & USES: It is cultivated as an ornamental plant/planted in gardens.




Principal
S.S.G.M. College
Kopergaon

Kavit Shiksha Sanstha's
Shri Sadguru Gangadhar Maharaj Science, Gauram Arts and
Sanjivani Commerce College, Kopergaon, Dist. Ahmednagar

DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2018-19)

BOTANICAL NAME: *Cassia alba* (L.) Lippold
FAMILY: Apocynaceae

VERNACULAR NAME: Yellow okander or lucky 901, 900, Kanti

DESCRIPTION:

Evergreen shrub or trees with milky latex, about 3-6m tall. Leaves
8-11 X 0.5-1.5 cm, linear lanceolate with narrow, acute. Flowers bright
yellow, 3-4 cm across, in subterminal cymes, calyx 1-1.5 cm long, aestiva
6-7 cm long, drupes 4-5 cm across with obtuse angles.

Fl. & Frt.: June-Oct

DISTRIBUTION: Central & Southern Mexico & Central America

NOTES & USES: It is cultivated as an ornamental plant/planted in
gardens.



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Principal
S.S.G.M. College
Kopergaon

Rayat Shikshan Sanstha's
Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce
College, Kopargaon, Dist. Ahmednagar

DEPARTMENT OF BOTANY (2019-20)

Innovative activity of the Department

PLANT OF THE DAY

Date: 11 /01/2020

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This activity helps the students to understand the basics of Taxonomy, generate interest among the students and also acquaint students about the local flora and its medicinal and local uses. During these years 71 Species were displayed.


for Head
Department of Botany
S.S.G.M.College,Kopargaon
Head of Department




Principal
S.S.G.M.College
Kopargaon

Rayat Shikshan Sanstha's
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts and
Sanjivani Commerce College, Kopargaon, Dist. Ahmednagar-423601**

DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2019-2020)

BOTANICAL NAME: *Tabernaemontana divaricata* (L.)
R.Br. ex Roem. & Schult

FAMILY: Apocynaceae

VERNACULAR NAME: Grape Jasmine or pinwheel flower

DESCRIPTION:

The plant generally grows to a height of 1.5–1.8 metres (5–6 ft) and is dichotomously branched. The large shiny leaves are deep green and about 15 cm (6 in) in length and 5 cm (2 in) in width. The waxy blossoms are found in small clusters on the stem tips. Evergreen, well-branched shrub has large, glossy, dark green leaves and waxy white, ruffle-edged flowers, which are especially fragrant at night.

Fls. & Frts.: Throughout Years.

DISTRIBUTION: South Asia, Southeast Asia and China.

NOTES & USES:

1. Crape jasmine is a common garden plant; the juice is treatment against Ophthalmia, inflammation of the eyes,
2. The wood is aromatic.




Principal
S.S.G.M. College
Kopargaon

Reson Shikshan Sanstha's
Shri Sadguru Ganganee Maharaj Science, Gauram Arts and
Savitribai Commerce College, Kopergaon, Dist. Ahmednagar-423601

DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2019-2020)

BOTANICAL NAME: *Tabernaemontana divaricata* (L.)
R.Br. ex Roem. & Schult

FAMILY: Apocynaceae

VERNACLULAR NAME: Grape Jasmine or -pushed flower

DESCRIPTION:

The plant generally grows to a height of 1.5-1.8 metres (7-6 ft) and is dichotomously branched. The large shiny leaves are deep green and about 15 cm (6 in) in length and 5 cm (2 in) in width. The waxy Mimosae are found in small clusters on the stem tips. Evergreen, well-branched shrub has large, glossy, dark green leaves and waxy white, ruffle-edged flowers, which are especially fragrant at night.

Fl. & Frt.: Throughout Year

DISTRIBUTION: South Asia, Southeast Asia and China

NOTES & USES:

1. Grape jasmine is a common garden plant; the juice is treatment against Ophthalmia, inflammation of the eyes.
2. The wood is aromatic.



3

Principal
S.G.M. College
Kopergaon

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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2019-2020)

BOTANICAL NAME: *Hibiscus rosa-sinensis* L.

FAMILY: Malvaceae

VERNACULAR NAME: China rose, Rose mallow

DESCRIPTION:

Hibiscus rosa-sinensis is a bushy, evergreen shrub or small tree growing 2.5–5 m (8–16 ft) tall and 1.5–3 m (5–10 ft) wide. The plant has a branched taproot. Its stem is aerial, erect, green, cylindrical, and branched. Stem woody, lenticillate. Flowers axillary, solitary, pedicels longer than petioles. Corolla infundibular, blood-red. Staminal Column antheriferous at tip.

Fls. & Frts.: Almost throughout year.

NOTES & USES:

1. It is used as ornamental purposes.
2. Medicinal- Calyx juice might be beneficial for cancer.




Principal
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Rajesh Shikhar Samra's
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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2019-2020)

BOTANICAL NAME: *Hibiscus rosa-sinensis* L.

FAMILY: Malvaceae

VERNACULAR NAME: China rose, Rose mallow

DESCRIPTION:

Hibiscus rosa-sinensis is a bushy, evergreen shrub or small tree growing 2.5-5 m (8-16 ft) tall and 1.5-2 m (5-10 ft) wide. The plant has a branched top. Its stem is aerial, erect, green, cylindrical, and branched. Stem woody, lenticellate. Flowers axillary, solitary, pedicels longer than perianths. Corolla tubular, blood-red. Staminal Column atheriferous at tip.

Fl. & Frt.: Almost throughout year.

NOTES & USES:

1. It is used as ornamental purposes.
2. Medicinal- Calyx juice might be beneficial for cancer.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2019-2020)

BOTANICAL NAME: *Sphagnepicola trilobata* (L.) Prusk

FAMILY: Asteraceae

VERNACULAR NAME: Trailing daisy

DESCRIPTION:

The stem is rounded and solid with few hairs, rooting the nodes, the flowering portion erect. *Trilobata* referring to leaves. It is a creeping, mat-forming perennial herb, growing up to 30cm tall and 2m long.

Fls. &Frts.: Throughout the year.

DISTRIBUTION:

Maxico, Central America, and the Ceribbean.

NOTES & USES:

1. Medicinal use in remedies for coughs and colds.
2. Often use as ornamental, it is also used a ground cover.




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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2019-2020)

BOTANICAL NAME: *Sphagnoplicola trilobata* (L.) Prusk.

FAMILY: Asteraceae

VERNACULAR NAME: Trading daisy

DESCRIPTION:

The stem is rounded and solid with few hairs, rooting the nodes, the flowering portion erect. *Trilobata* referring to leaves. It is a creeping, mat-forming perennial herb, growing up to 30cm tall and 2m long.

Fl. & Frct: Throughout the year.

DISTRIBUTION:

Mexico, Central America, and the Caribbean

NOTES & USES:

1. Medicinal use in remedies for coughs and colds.
2. Often use as ornamental, it is also used a ground cover.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY
2019-2020

BOTANICAL NAME: *Euphorbia hypericifolia* L.

FAMILY : Euphorbiaceae Juss.

SYNONYM : *Euphorbia hypericifolia* L.

VERNACULAR NAME :

DESCRIPTION:

Annual herbs; stems procumbent, glabrous or nearly so. Leaves opposite, obliquely cordate at base. Cyathia many in axillary and terminal, peduncled cymes; petaloid appendages of the glands orbicular, often white or pinkish, entire. Fruits subglobose.

Fls. & Frts.: Throughout year

DISTRIBUTION: Common in everywhere.

NOTES & USES:

1. The principal use of this plant in tropical and subtropical America is in a decoction or infusion of the leaves and roots for the treatment of a wide variety of gastro-intestinal disorders with watery and mucous discharges.
2. It is also used in the treatment of gonorrhoea, menorrhagia, leucorrhoea, pneumonia and bronchitis.
3. The leaves have a sweetish taste, followed by a sensation of harshness




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Dr. J. S. S. G. M. College
Sri. S. G. M. College (Autonomous), Kopergaon, Dist. Ahmednagar-423001
Commence College, Kopergaon, Dist. Ahmednagar-423001

DEPARTMENT OF BOTANY

PLANT OF THE DAY
2019-2020

BOTANICAL NAME: *Euphorbia hypericifolia* L.

FAMILY: Euphorbiaceae Juss.

SYNONYM: *Euphorbia hypericifolia* L.

VERNACULAR NAME:

DESCRIPTION:

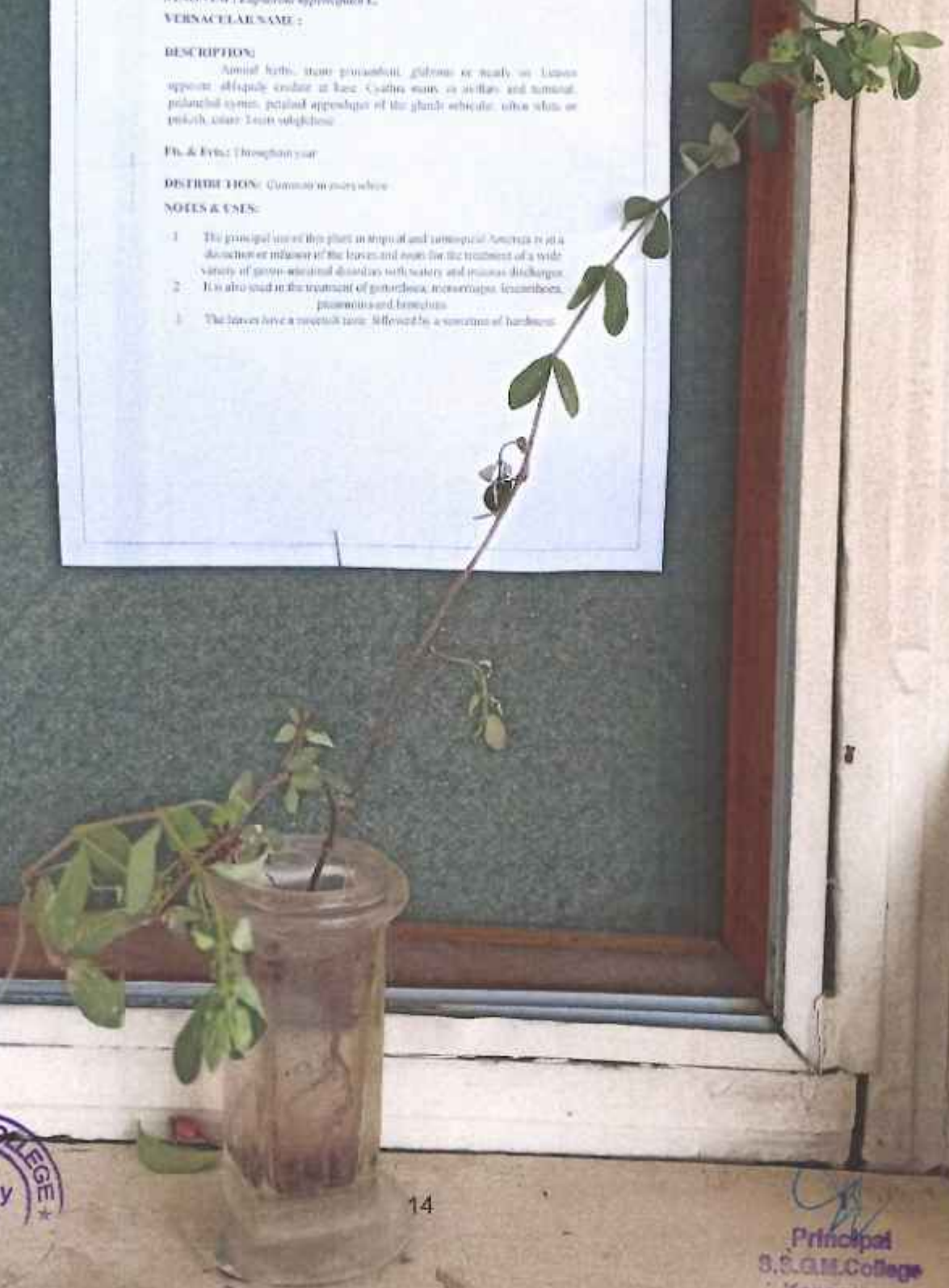
Annual herb, stem prostrate, glabrous or nearly so. Leaves opposite, elliptical cordate at base. Cymes many, axillary and terminal, peduncled cymes. petioled appendages of the glands subulate, often white or pinkish, some 1-2 mm long.

Fl. & Fvt.: Throughout year

DISTRIBUTION: Common in areas where

NOTES & USES:

1. The principal use of this plant in tropical and subtropical America is as a diuretic or infusion of the leaves and roots for the treatment of a wide variety of gastro-intestinal disorders with watery and mucous discharge.
2. It is also used in the treatment of gonorrhoea, menorrhagia, leucorrhoea, pneumonia and bronchitis.
3. The leaves have a disagreeable taste, relieved by a secretion of hardness.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY
2019-2020

BOTANICAL NAME: *Tridax procumbens* (L.) L.

FAMILY: Asteraceae

VERNACULAR NAME: Tantani, Dagdi Pala, EkDandi

DESCRIPTION:

Procumbent herbs. Leaves opposite, elliptic-ovate, apex acute, base truncate, margin serrate or lobed, to 8 x 5 cm. Heads solitary, on long peduncles, radiate; yellow. Involucral bracts 2-3 seriate with scarious margin. Marginal florets ligulate, female, uniseriate; central florets numerous, bisexual, fertile. Pappus of many feathery bristles. Achene's oblong, hairy.

Fls. & Frts.: Throughout year.

DISTRIBUTION:

Common weed of waste lands, cultivated fields and road sides.

NOTES & USES:

1. Procumbent herbs with leaves somewhat succulent and crowded only at the base.
2. Heads on very long peduncles.
3. Fresh leaves are crushed and applied on the wounds.




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DEPARTMENT OF BOTANY

PLANT OF THE DAY
2019-2020

BOTANICAL NAME: *Tribulus terrestris* (L.) L.

FAMILY: Asclepiadaceae

VERNACULAR NAME: Tamaris, Thago Pala, Lakshmi

DESCRIPTION:

Procumbent herb. Leaves opposite, elliptic-ovate, apex acute, base truncate, margin serrate or lobed, to 5 x 5 cm. Heads solitary, on long peduncles, radially yellow. Involucral bracts 2-5 serrate with scarious margin. Marginal flowers ligulate, female, axillary; central flowers tubular, bisexual, five. Pappus of many-leaky bristles. Achene 2 oblong, hairy.

Fls. & Frts: Throughout year.

DISTRIBUTION:

Common weed of waste lands, cultivated fields and road sides.

NOTES & USES:

1. Procumbent herb with leaves somewhat succulent and crowded only at the base.
2. Heads on very long peduncles.
3. Fresh leaves are crushed and applied on the wounds.



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DEPARTMENT OF BOTANY (2021-22)

Innovative activity of the Department

PLANT OF THE DAY

Date: 24 /01/2022

Department of botany has been carried out an innovative activity as 'Plant of the Day' in which students of M.Sc. I and M.Sc. II daily Identify, Describe and Classify the plant with the help of regional flora and showcase it as a plant of day at the entrance of Departments.

This activity helps the students to understand the basics of Taxonomy, generate interest among the students and also acquaint students about the local flora and its medicinal and local uses. During these years 85 Species were displayed.


Head

Department of Botany
S.S.G.M. College, Kopargaon
Head of Department




Principal
S.S.G.M. College
Kopargaon

Rayat Shikshan Sanstha's
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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2021-2022)

BOTANICAL NAME: *Thuja occidentalis* L.

FAMILY: Cupressaceae

VERNACULAR NAME: Thuja

DESCRIPTION:

Its common names include swamp cedar, American arborvitae, and eastern arborvitae. The name arborvitae is particularly used in the horticultural trade in the United States; it is Latin for 'tree of life' – due to the supposed medicinal properties of the sap, bark, and twigs. The bark is red-brown, furrowed & peels in narrow. Seed cones are slender, yellow green.

Fls. &Frts.: July – Jan.

DISTRIBUTION:

Eastern Canada & north-central and north-eastern United state.

NOTES &USES:

1. Medicinal uses-to treat bronchial catarrh, cystitis.
2. As an ornamental plant.




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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2021-2022)

BOTANICAL NAME: *Thuja occidentalis* L.

FAMILY: Cupressaceae

VERNACULAR NAME: Thuja

DESCRIPTION:

Its common names include swamp cedar, American arbovitae, and eastern arbovitae. The name arbovitae is particularly used in the horticultural trade in the United States; it is Latin for 'tree of life' - due to the supposed medicinal properties of the sap, bark, and twigs. The bark is red-brown, furrowed & peels in narrow. Seed cones are slender, yellow green.

Fl. & Frt.: July - Jan.

DISTRIBUTION:

Eastern Canada & north-central and north-eastern United states.

NOTES & USES:

1. Medicinal uses - twigs for bronchitis.
2. As an ornamental plant.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2021-2022)

BOTANICAL NAME: *Plumeria alba* L.

FAMILY: Apocynaceae

VERNACULAR NAME: White frangipani, Champa

DESCRIPTION:

Small tree with milky latex. Leaves alternate, oblanceolate. Flower fragrant in terminal peduncled cymes. Stamens inserted near the base of corolla tube; anthers free.

Fls. & Frts.: May- Sept.

DISTRIBUTION: Tropical America.

NOTES & USES:

1. It is often cultivated as an ornamental plant.
2. It is used medicinally.




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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2021-2022)

BOTANICAL NAME: *Plumeria alba* L.

FAMILY: Apocynaceae

VERNACULAR NAME: White frangipani, Champu

DESCRIPTION:

Small tree with milky latex. Leaves alternate, oblong-ovate.
Flower fragrant in terminal panicle-like cymes. Stamens inserted
near the base of corolla tube, anthers free.

Fl. & Frt.: May - Sept

DISTRIBUTION: Tropical America

NOTES & USES:

1. It is often cultivated as an ornamental plant
2. It is used medicinally



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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2021-2022)

BOTANICAL NAME: *Tarlmounia elliptica* (DC.) H. Rob., S.C.
Keeley, Skvarla & R. Chan

FAMILY: Asteraceae

VERNACULAR NAME: Curtain creeper, Parda bel

DESCRIPTION:

A creeper with slender stems cascading giving a certain features. Plants can climb but require support. Green elliptical leaves with entire to irregularly toothed margin. Slender stems. Cluster of pinkish white flower.

Fls. & Frts.: February-March

DISTRIBUTION: India and Thailand

NOTES & USES:

Medicinal property against upper respiratory track, infection, stomach ulceration and skin infection.




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DEPARTMENT OF BOTANY

PLANT OF THE DAY

(2021-2022)

BOTANICAL NAME: *Tarbotanmia elliptica* (DC.) H. Rob., S.C.
Keeley, Sivara & R. Chan

FAMILY: Asteraceae

VERNACULAR NAME: Curtain creeper, Ponda bel

DESCRIPTION:

A creeper with slender stems cascading giving a curtain features. Plants can climb but require support. Green elliptical leaves with entire to irregularly toothed margin. Slender stems. Cluster of pinkish white flowers.

Fl. & Fris: February-March

DISTRIBUTION: India and Thailand

NOTES & USES:

Medicinal property against upper respiratory tract infection, stomach ulceration and skin infection.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY

2021-2022

BOTANICAL NAME: *Commelina benghalensis* L.

FAMILY: Commelinaceae

VERNACULAR NAME: Kana

DESCRIPTION:

Erect or decumbent, perennial tuberous herbs; Stems and branches rooting at nodes. Leaves ovate-lanceolate or ovate-elliptic hairy on the margins. Flowers few in axillary spathes. Dorsal pair of petals blue.

Fls. & Frts.: June-December

DISTRIBUTION: Common weed found in the cultivated land, waste places, roadside.

NOTES & USES:

1. The plant is astringent, demulcent, laxative and mucilaginous.
2. The plant is used to counter infertility in women.
3. The sap is used for the treatment of eye ailments, sore throat and burns and as a topical application for thrush in infants.
4. A dye is obtained from the sap in the flowers.
5. A decoction of the root is used for the relief of stomach disorders.
6. The liquid contained in the flowering spathe is used to treat eye complaints.




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DEPARTMENT OF BOTANY

PLANT OF THE DAY

2021-2022

BOTANICAL NAME: *Commelina haphazardis* L.

FAMILY: Commelinaceae

VERNACULAR NAME: Kani

DESCRIPTION:

Erect or decumbent, perennial tuberous herbs. Stems and branches rooting at nodes. Leaves ovate-lanceolate or obovate-elliptic, hairy on the margins. Flowers few or axillary, spatulate. Dorsal part of petals blue.

Fl. & Frt. time: June-December

DISTRIBUTION: Common weed found in the cultivated land, waste places, roadside.

NOTES & USES:

1. The plant is non-toxic, demulcent, laxative and antidiabetic.
2. The plant is used to counteract effects of alcohol.
3. The sap is used for the treatment of eye ailments, and flower and herb used as a topical application for fresh wounds.
4. A dye is obtained from the sap of the flowers.
5. A decoction of the roots is used for the relief of stomach disorders.
6. The leaves collected in the flowering spires are used to treat eye complaints.



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DEPARTMENT OF BOTANY

PLANT OF THE DAY

2021-2022

BOTANICAL NAME: *Coccinia grandis* (L.) Voigt

FAMILY: Cucurbitaceae

SYNONYM: *Cocconia indica*

VERNACULAR NAME: Tondli

DESCRIPTION:

Perennial, glabrous, climbing herbs; stem angular; tendrils slender. Leaves broadly ovate, minutely denticulate along margins, rarely dissected. Flowers axillary, solitary. Corolla white. Fruits ellipsoid, rounded at both ends. Seeds oblong, yellowish.

Fls. & Frts.: March - December

DISTRIBUTION: Cultivated in Farm as a commercial crop, commonly found in the cultivated land, waste places.

NOTES & USES:

1. A variety of recipes from all over the world list the fruit, as the main ingredient. They are best when cooked, and are often compared to bitter melon. The fruit is commonly eaten in Indian cuisine.
2. In traditional medicine, fruits have been used to treat leprosy, fever, asthma, bronchitis, and jaundice.
3. rich in beta-carotene




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DEPARTMENT OF BOTANY

PLANT OF THE DAY

2021-2022

BOTANICAL NAME: *Cucumis griffithii* (L.) Vigné

FAMILY: Cucurbitaceae

SYNONYM: *Cucumis melo*

VERNACULAR NAME: Tando

DESCRIPTION:

Perennial, glabrous, climbing herb. stem angular, widely slender.
Leaves broadly ovate, mostly decurrent along margin, acutely
dentate. Flowers axillary, solitary. Corolla white. Fruits ellipsoid,
rounded at both ends. Flesh soft, yellowish.

Fls. & Frs.: March - October

DISTRIBUTION: Cultivated in India as a economical crop, commonly
found in the cultivated land, waste places.

NOTES & USES:

1. A variety of cucumber from all over the world but the best, as the
most superior. They are best when young and are often
compared to bitter melon. The fruit is commonly eaten in India
and China.
2. In traditional medicine, they have been used to treat epilepsy, fever,
achilles tendonitis, and arthritis.
3. Rich in beta-carotene.



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