

Medicinal and Aromatic Plants in Landscape

**Ragar Rajlaxmi Madanlal¹,
Aakanksha Tiwari²**

¹B.Sc. (Agriculture)

²Assistant Professor, Department
of Horticulture
RNT College of Agriculture,
Kapasan (MPUAT, Udaipur)



Open Access

*Corresponding Author

Ragar Rajlaxmi Madanlal*

Available online at

www.sunshineagriculture.vitalbiotech.org

Article History

Received: 2. 11.2025

Revised: 6. 11.2025

Accepted: 11. 11.2025

This article is published under the
terms of the [Creative Commons
Attribution License 4.0](https://creativecommons.org/licenses/by/4.0/).

INTRODUCTION

Landscaping is not only about decoration but also about functional eco-friendly designing. Medicinal and aromatic plants enhance landscape value by:

- ✓ Providing fragrance and beauty
- ✓ Offering natural remedies
- ✓ Supporting mental well-being & stress relief
- ✓ Attracting pollinators and beneficial insects
- ✓ Promoting biodiversity and ecological balance

Due to the increasing demand for herbal medicines and wellness products, landscapes with medicinal and aromatic plants are gaining popularity in homes, schools, hospitals, resorts, and urban parks.

Types of Medicinal and Aromatic Plants Used in Landscaping

Category	Example Plants	Major Uses
Medicinal Plants	Tulsi, Neem, Aloe vera, Ginger, Ashwagandha	Healing, immunity, ayurvedic medicines
Aromatic Plants	Lavender, Rosemary, Lemongrass, Jasmine	Essential oils, perfumes, mood therapy
Ornamental & Herbal	Calendula, Marigold, Mint, Basil	Landscaping + medicinal value
Shrub Type	Hibiscus, Henna, Moringa	Health benefits & hedge formation
Ground Covers	Thyme, Mint, Oregano	Lawn alternatives & aroma
Climbers	Giloy, Passionflower	Herbal medicine & beautification

Medicinal Plants and Their Uses

Medicinal plants contain bioactive compounds that support healing and immunity. These are widely used in Ayurveda, Siddha, Unani, Homeopathy, and modern herbal therapies.

Common Medicinal Plants

Plant	Uses
Tulsi (Holy Basil)	Boosts immunity, cures cough & cold
Neem	Skin treatment, blood purification, pesticide
Aloe Vera	Skin care, digestion, burn healing
Turmeric (Haldi)	Anti-inflammatory & antioxidant
Ginger (Adrak)	Used for digestion & nausea
Ashwagandha	Reduces stress & improves stamina
Giloy	Fever, immunity booster
Sarpagandha	Blood pressure control
Shatavari	Women's health & hormones
Brahmi	Improves memory and brain functions

Aromatic Plants and Their Uses

Aromatic plants contain essential oils used in perfumes, cosmetics, soaps, spa therapy, incense, and food flavoring.

Aromatic Plant	Applications
Lavender	Stress relief, perfumes, therapy
Rosemary	Cooking herb, memory booster
Lemongrass	Herbal tea, oil, insect repellent
Mint	Flavoring foods, medicines, freshness
Jasmine	Perfumes, essential oils
Citronella	Mosquito repellent
Eucalyptus	Respiratory medicine & oils
Camphor	Healing & rituals
Basil / Tulsi varieties	Aroma, cooking, oils

Role of Medicinal & Aromatic Plants in Landscape Designing

1. Herbal Gardens

Designed in schools, universities & research institutes for education and conservation.

2. Healing / Therapeutic Gardens

Used in hospitals, yoga centers, and homes — helpful for stress relief and mental health.

3. Fragrance Walks & Aroma Paths

Aromatic plants are planted along pathways to enhance sensory experience.

4. Butterfly & Pollinator Gardens

MAPs attract bees, butterflies & beneficial insects — boosting biodiversity.

5. Rooftop & Vertical Herbal Gardens

Used in urban areas where land availability is low — supports green architecture.

Design Principles for Herbal Landscaping

- ✓ Sunny location with proper drainage
- ✓ Mixture of shrubs, herbs, climbers & ground covers
- ✓ Use of aroma zones, medicinal beds & signage/labels
- ✓ Pathways for walking and aroma therapy
- ✓ Water-efficient drip irrigation system
- ✓ Use of mulching, organic manure & biofertilizers

Benefits of Medicinal & Aromatic Plants in Landscaping

Benefit	Explanation
Health Benefits	Provide herbal medicine & immunity support
Aesthetic Appeal	Flowers & textures enhance landscape
Biodiversity	Attract pollinators & beneficial insects
Stress Reduction	Aromatic oils improve mental health
Low Maintenance	Drought-tolerant species available
Climate Resilience	Useful in urban heat & pollution control

Future Scope in India

- ✓ AYUSH Ministry promotes herbal gardens in rural areas

- ✓ Demand for essential oils & herbal medicines is increasing
- ✓ Employment through nurseries, spas, herbal tourism, landscape designing

✓ High export opportunities for essential oils and MAP products

✓ Government schemes support MAP cultivation and processing

CONCLUSION

Medicinal and aromatic plants are not just decorative, but highly functional and essential for a healthy environment. They enhance the beauty of landscapes while offering healing, fragrance, biodiversity protection, and eco-friendly solutions. By promoting the cultivation of MAPs, India can strengthen AYUSH medicine, eco-tourism, rural

entrepreneurship, and sustainable landscaping techniques.

REFERENCES

- Ayurvedic Pharmacopoeia of India (2023). Ministry of AYUSH.
- ICAR – National Bureau of Plant Genetic Resources.
- FAO (2022) – Medicinal Plant Conservation Report.
- CSIR – Essential Oil Research Division.
- Bose, T.K., et al. (2019). *Medicinal Horticulture and Landscaping*.