

# NBRI - National Botanical Research Institute

Plants play a vital role in sustaining life on Earth. They provide food, oxygen, medicines, and raw materials, and they help maintain ecological balance. Scientists at the **CSIR - National Botanical Research Institute (NBRI)** work to understand plants better and explore how they can benefit both people and the environment.

Located in **Lucknow**, NBRI is one of the research laboratories of the **Council of Scientific and Industrial Research (CSIR)**. The institute focuses on research in **botany, plant biodiversity, plant biotechnology, and conservation of plant resources**. Its work helps scientists and policymakers understand how plants can be protected and used sustainably.

One of the major areas of research at NBRI is **plant biodiversity and conservation**. India is home to a vast variety of plant species, and many of them are rare or endangered. Scientists at NBRI study these plants, develop methods to conserve them, and maintain collections in botanical gardens for research and education. These gardens also serve as living laboratories where researchers and visitors can learn about plant diversity.

NBRI is also known for its work on **ornamental plants and landscaping species**. Scientists develop new varieties of flowering plants that are more colorful, resilient, and suitable for different climates. These plants are widely used in parks, public spaces, and home gardens, helping make urban environments greener and more beautiful.

Another important research area is **plant biotechnology**.

By using modern scientific techniques, researchers study plant genetics, improve crop productivity, and develop plants that can better resist pests and diseases.



## Activity Idea for Teachers

Teachers can encourage students to observe and document plants around their school or home. Students can create a **simple plant diary** by drawing leaves, flowers, and fruits they see and noting their characteristics.

This activity helps students develop curiosity about **plant diversity, ecology, and the importance of conservation**, while also connecting classroom learning to the real-world research carried out at institutes like NBRI. 🌱

