Pine Tree

Pinus spp.

Code: XIM-T-064 **Location:** XIM University Campus **Local / Vernacular name:** ଗଇନ୍

Description

XIM University campus biodiversity register (2026–27). Recorded individuals: 1; abundance rank: 47.

Botanical Details

Leaf habit: Evergreen Flowers / Fruits: Instead of flowers, pines grow pollen cones and woody cones that house and protect edible nuts. Native range: Most species originate in the Northern Hemisphere, spanning from the subarctic to subtropical zones.

Uses & Importance

Ecological: Functioning as an "ecosystem engineer," pines stabilize soil with their roots and provide high-fat seeds that are a staple food for birds and mammals. Their acidic needle litter creates a specialized forest floor habitat that supports unique fungi and microorganisms.

Medicinal: Pines offer diverse pharmaceutical benefits, most notably through their needles, which are rich in Vitamin C and brewed into "pine top tea" to clear respiratory congestion and boost immunity. The inner bark and resin act as powerful antiseptics for wound healing, and concentrated bark extracts are used in modern supplements to improve circulation and support cognitive memory.

Cultural: A global icon of longevity and immortality, the pine represents steadfastness in Eastern art and serves as the "Tree of Peace" in Iroquois tradition. It is also a central figure in Western winter holidays, symbolizing the triumph of life and light over darkness.

Location

GPS: 20.15860192, 85.76535449

Directions: https://www.google.com/maps/dir/?api=1&travelmode=walking&destination=20.15860192%2C85.76535449