



Webinar of the Polish Phytopathological Society

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Diseases in Italy on ornamental and forest plants in gardens and nurseries and on urban trees

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The lecture will explore fungal diseases affecting ornamental and forest trees and shrubs in historic gardens and nurseries in the Lombardy Region.

The presentation will include photographic documentation of symptoms, aiding in the identification of pathogens. It will also highlight recently introduced and emerging diseases in Lombardy, discussing prevention and defence techniques.

Key topics will include:

- Fungal diseases affecting boxwood (*Cylindrocaldium buxicola*, *Volutella buxi*, *Macrophoma candollei*, *Fusarium* spp.)
- New powdery mildew pathogens on various hosts (*Erysiphe pulcra*, *Erysiphe magnifica*, *Pseudodidium* sp. on *Wisteria sinensis*)
- Cases of *Fusarium* and *Phytophthora* on ornamental plants (*Fusarium solani* on *Magnolia grandiflora* and *Juglans regia*)
- Cases of *Geosmithia morbida* on *Juglans nigra*
- Fungal diseases of conifers (*Lophodermium cedrinum*, *Truncatella hartigii*) and cupressaceae (*Seiridium cardinale*)
- Fungal diseases affecting acidophilic plants (*Rhododendron* and *Camellia*).
- Emerging of fungal diseases on ornamental shrubs and ground cover plants (*Pseudonectria pachysandricola* on *Pachysandra terminalis*, *Phytophthora palmivora* on *Hedera helix*).
- Fungal diseases in forest and forestry nurseries (anthracnose, *Cytospora* spp., powdery mildew)
- Fungal diseases on urban trees, with a focus on *Ceratocystis platani* and disease affecting *Platanus x acerifolia*), as well as *Guignardia aesculi* and *Erysiphe flexuosa* on horse chestnut.

This lecture will provide an in-depth overview of these diseases, emphasizing diagnostic features and management approaches.