

Wood protection



Equipment

- Wood anatomy laboratory
- Incident light microscopes up to 400x
- Transmitted light microscopes up to 1000x
- Fluorescence light and phase contrast
- Diagnostic technology for endoscopy
- Drill resistance measuring device
- Master culture collection Test organisms
- Air germ collector
- Mycological/molecular biology laboratory

Target groups

- Wood processing (industry, crafts)
- Architects and planners
- Construction companies, carpentry, joinery
- Wood trade
- Restoration, monument protection, archaeology
- Courts, experts
- Authorities, building authorities
- Local government



Damage analysis & expert's opinions

- Windows, doors, facades, balconies, terraces, half-timbered buildings, bridges
- Playground equipment, gardening and landscaping
- Flooring, wall/ceiling coverings, furniture, works of art
- Damage assessment and preservation of evidence
- Investigation of causes

Preventive concepts & protective measures

- Recommendations for control and remediation methods
- Chemical wood preservation (wood preservatives)
- Structural wood preservation
- Alternative methods (e.g. wood modification)

Diagnosis of harmful organisms

- Microscopic and molecular biological methods
- Wood-destroying fungi (e.g. dry rot, wet rot fungi)
- Wood-discolouring organisms (bluestain fungi, moulds, algae)
- Insects

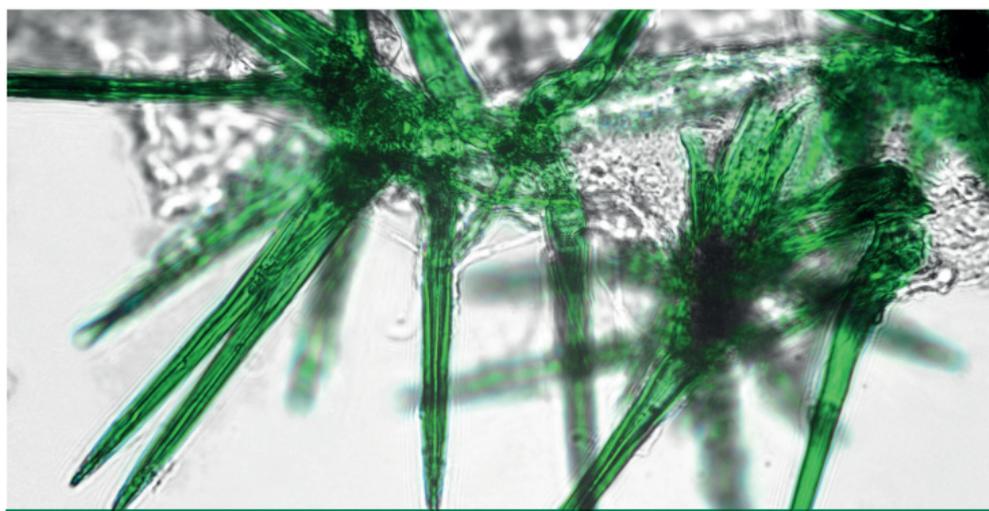
Testing & quality assurance

- Control of control measures (hot air, fumigation, mould)
- Control of protected components (penetration depth, application quantity)
- Building biology tests (mould, airborne germs)
- Laboratory and field tests on biocide efficacy and durability

Training courses & lectures

- Wood preservation and wood modification
- Relevant standards (e.g. DIN 68800)
- Microscopy practice and detection of harmful organisms

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