



## Science and technology of tree and forest systems

### Research Area

### Wood technology and forest harvesting

#### Topics

- Biomass based solid biofuel (Zanetti).
- Environmental assessment (LCA) of wood products (Zanetti).
- Sensory and psychological aspects of wood material perception (Zanetti).
- Renewable based adhesives for wood (Zanetti).
- Xylogical investigation on wooden historic, artistic and architectural artworks (Urso).
- Wood colour investigations (Urso).
- Anatomy and characterization of wood in valorization of forest plants (Urso).
- Wood anatomy and properties relationships in trees and shrubs species (Crivellaro).
- Ecological wood and bark anatomy (Crivellaro).
- Timber use in recent and ancient wooden structures (Crivellaro).

#### People

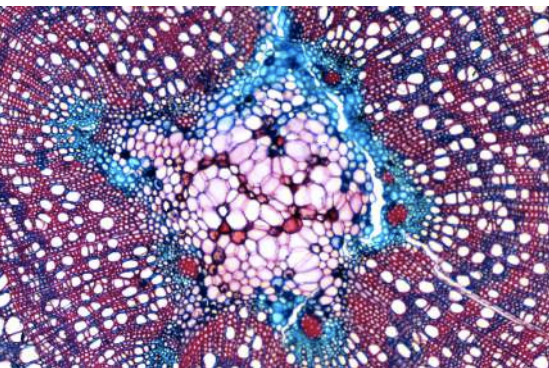
Dr. Alan Crivellaro (alan.crivellaro@unipd.it)

Dr. Tiziana Urso (tiziana.urso@unipd.it)

Dr. Michela Zanetti (michela.zanetti@unipd.it)

#### Research Projects

- "Wood Comfort: analysis of the wellbeing produced by wood as building and furniture material", Athenaeum Research Project 2012 and Post-doc Project 2015, University of Padova.
- "Environmental assessment of wooden building systems", Post-doc Project 2015, University of Padova.
- "Environment-friendly technologies for wood and fibre-based materials", Research Project "Programma per giovani ricercatori Rita Levi Montalcini" (call 2009).
- "Valorization of beech wood from coppices in transition to high forests", Scientific research Ex 60%, 2014 and 2015.
- "Wood's colour investigations: use of colorimeter and possible applications in identification of similar wooden species", Scientific research Ex 60%, 2013.
- "Wooden historic artworks. Methods in diagnosis", Scientific research Ex 60%, 2012.



**TESAF**