



PATRICIA T. VEGA GUTIERREZ

Position Type: Staff

Job Title: Managing Director, Wood-Based Composites Center /
Postdoctoral Scholar

Department: Wood Science & Engineering

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Other Websites:

<https://wbc.center/>

<https://forestsiencecommunity.wordpress.com/>

<https://nafct.com/>

Education:

Ph.D. Wood Science / Oregon State University

M.S., Natural Resources Management / Universidad Nacional Agraria La Molina

B.S., Forest Science Engineering / Universidad Nacional Agraria La Molina

Research Areas:

- Wood-Based Composites
- Wood Anatomy
- Biodegradation
- Wood Aesthetics

Research Interests:

- Durability of bio-based composites
- Figured wood anatomy and standardization
- Industrial application of fungal pigments
- Development of specialized wood products for niche markets

Bio:

Patricia Vega studied Forest Science Engineering at the Agrarian National University La Molina in Peru, where she worked over 14 years designing and managing conservation/development projects in diverse forest ecosystems. Patricia studied her Ph.D. at the Wood Science and Engineering Department at

Oregon State. Her research focused on biodegradation patterns, fungal pigments, and wood anatomy. Dr. Vega worked as a researcher at the Center of Wood Anatomy Research (CWAR) at the USDA Forest Products Laboratory in Madison, Wisconsin. She is a board member of the National Association of Flooring Technicians (NAFCT) and co-founder of the education initiative Forest Science Community. Patricia is devoted to promoting science, engineering, and woodworking among young students especially females on STEM. As Managing Director of the Wood-Based Composites Center her focus is to strengthen the bond between industry and academia, while creating a diverse inclusive space for high-end research.

Selected Publications:

Rozas, C., Vasquez, M., **Vega, P.**, Sinha, A., & Montero, C. (2021). Effect of Log Heat Treatment on Release of Growth Stresses in *Eucalyptus nitens*. *Wood and Fiber Science*, 53(3), 178-193.

Vega Gutierrez, P. & Robinson, S. C. (2021). Tracing the Historical Culture of Spalting in Spain to Its Potential Influence on Peru. *International Journal of Wood Culture*, 1(1-3), 211-233.

Ravindran, P., Owens, F. C., Wade, A. C., **Vega, P.**, Muro, R. M., Shmulsky, R., & Wiedenhoeft, A. C. (2021). Field-deployable computer vision wood identification of Peruvian timbers. *Frontiers in plant science*, 12, 940.

Vega Gutierrez, S. M., Stone, D. W., He, R., **Vega Gutierrez, P. T.**, Walsh, Z. M., & Robinson, S. C. (2021). Potential Use of the Pigments from *Scytalidium cuboideum* and *Chlorociboria aeruginosa* to Prevent 'Greying' Decking and Other Outdoor Wood Products. *Coatings*, 11(5), 511.

Vega Gutierrez, P., & Robinson, S. C. (2020). Complexity of biodegradation patterns in spalted wood and its influence on the perception of US woodturners. *European Journal of Wood and Wood Products*, 78(1), 173-183.

Vega Gutierrez, P. T., & Robinson, S. C. (2017). Determining the Presence of Spalted Wood in Spanish Marquetry Woodworks of the 1500s through the 1800s. *Coatings*, 7(11), 188.