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# Bio-based Formaldehyde-free Wood Adhesives

Dennise J. Sosa
*Western University*, dsosacar@uwo.ca

# Inspiring Minds

Have you ever thought about how many things are made of wood in your surroundings? Right, so many things. Now, what do we need to put pieces of wood together? Glue, isn't it? Unfortunately, petroleum-based wood adhesives that have been widely used since the 20th century contain formaldehyde. And, this chemical has become controversial principally because it has been proven to cause cancer.

In my efforts to replace the well-known traditional wood adhesives, I am using part of the 48 million dry tons of agricultural waste that are available in Canada per year. I am developing a super-strong and water-resistant adhesive for wood from free resources as crop residues. My bio-based wood adhesive is not dangerous for our health, is less expensive than the traditional adhesives from petroleum and, can be used even for outdoor applications. We are getting close to get the replacement for the hazardous current wood adhesives.

150 words