



Showcasing research from Professor Satoh's laboratory,  
Department of Chemical Science and Engineering, Institute  
of Science Tokyo, Tokyo, Japan.

Development of a bio-based adhesive by polymerization of  
Boc-protected vinyl catechol derived from caffeic acid

Catechol functionalities were applied for bio-based  
adhesives, which were derived from caffeic acid found  
in coffee beans. Using as a primer for conventional  
polyurethane glue, metal plates were stuck well by the  
adhesive.

Image reproduced by permission of Kotaro Satoh from *RSC  
Sustainability*, 2025, 3, 1714.

### As featured in:



See Kotaro Satoh *et al.*,  
*RSC Sustainability*, 2025, 3, 1714.