

## **SAE International Book Explores How Biocomposites Help Address Fuel Vehicle Consumption Challenges**

*Biocomposites in Automotive Applications, a book from SAE International, studies how natural fibers are gaining more acceptance in the industry due to their renewable nature, low density, low energy consumption, high specific strength and stiffness, CO2 sequestration potential, and less wear imposed on machinery.*

WARRENDALE, Pa. ([PRWEB](#)) December 08, 2015 -- Biocomposites in Automotive Applications, a book from SAE International, studies how natural fibers are gaining more acceptance in the industry due to their renewable nature, low density, low energy consumption, high specific strength and stiffness, CO2 sequestration potential, and less wear imposed on machinery.

The automotive sector has taken a keen interest in lightweighting as new required performance standards for fuel economy come into place. This strategy includes parts consolidation, design optimization, and material substitution, with sustainable polymers playing a major role in this effort.

Sustainable polymers are largely biodegradable, biocompatible, and sourced from renewable plant and agricultural stocks. A facile way to enhance their properties, so they can indeed replace the ones made from fossil fuels, is by reinforcing them with fibers to make composites.

Biocomposites in Automotive Applications is segmented into three sections and includes eleven hand-picked technical papers covering:

- Processing and characterization of biocomposites
- Automotive applications of biocomposites
- A perspective on automotive sustainability
- Published By: SAE International
- Binding: Softbound
- Product Code: Pt-165
- ISBN: 978-0-7680-8148-0
- Price: \$95.00 - SAE International Members save up to 20% off list price.

For more information, including free front and back matter, or to order Biocomposites in Automotive Applications, visit <http://books.sae.org/pt-165/>.

To request an electronic review copy of the book, email [pr\(at\)sae\(dot\)org](mailto:pr(at)sae(dot)org). Forward published reviews to Shawn Andreassi at [pr\(at\)sae\(dot\)org](mailto:pr(at)sae(dot)org) or SAE International, 400 Commonwealth Dr., Warrendale PA, 15096-0001, or to receive a print copy of the book or another equivalent SAE International book.

SAE International is a global association committed to being the ultimate knowledge source for the engineering profession. By uniting over 137,000 engineers and technical experts, we drive knowledge and expertise across a broad spectrum of industries. We act on two priorities: encouraging a lifetime of learning for mobility engineering professionals and setting the standards for industry engineering. We strive for a better world through the work of our charitable arm, the SAE Foundation, which helps fund programs like A World in Motion® and the Collegiate Design Series™.



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