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**TMS 2023**  
152<sup>nd</sup> Annual Meeting & Exhibition

MARCH 19–23, 2023  
SAN DIEGO CONVENTION CENTER &  
HILTON SAN DIEGO BAYFRONT  
SAN DIEGO, CALIFORNIA, USA  
#TMSANNUALMEETING



**SUBMIT AN ABSTRACT BY JULY 1 FOR THE FOLLOWING TMS2023 SYMPOSIUM:**

**ENERGY & ENVIRONMENT**

**Natural Fibers and Its Composites: A Sustainable Solution**

Natural fibers are a renewable resource ready to be used in many new applications due to their abundance worldwide, excellent properties, low cost, and green solution. There has been an increasing interest in research and a growing industrial sector, with a high potential to significantly reduce the CO<sub>2</sub> footprint of other traditional materials and processes. On the other hand, there is an increasing development of composite materials with natural fibers, using as a matrix polymers, ceramics, and biodegradable materials. The applications include, but are not limited to, sports, transportation, armor, medical, infrastructure, construction and building materials, and architecture.

**ORGANIZERS**

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