



Advances in Materials Science and Engineering

Special Issue on  
**Biomaterials as Alternatives to Conventional  
Synthetic Materials**

CALL FOR PAPERS

Society is continuously moving towards environmentally friendly and healthy products. This “green” interest has been heightened by concerns raised by international health organizations and consumers, highlighting potential threats on health and environment related to some synthetic materials. In this scenario, some questions should be investigated. How forest raw materials could lower environmental impacts in products life cycle? Could the long-term use of these products be actually less harmful to health? In addition to these challenges, the return of the adoption of biomaterials must technically prevail over synthetic materials that have been consolidated in the market in modern times.

We invite researchers to contribute original research articles as well as review articles that seek to address the following subjects.

Potential topics include, but are not limited to:

- ▶ Wood charcoal in steel production replacing mineral coking coal
- ▶ Natural dyes as colorants in substitution of synthetic pigments
- ▶ Pyroligneous liquors as sources of sanitizers and conservators
- ▶ Essential oils from vegetable sources: processes and uses
- ▶ Novel natural fibers and biomatrices in the composites industry

Authors are encouraged to present the technical, economic, and environmental benefits of these biomaterials in comparison with conventional materials, including production process, uses, and final disposal aspects.

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/amse/bac/>.

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