



Symposium BB : Non-conventional materials based on agroindustrial wastes or natural fibers.

Scope of the Symposium

Brazil's economy has a significant agroindustrial share in terms of direct production as well as of related byproducts, which may potentially provide fibers so as to obtain composites. The development of composites using natural fibers or agroindustrial wastes calls the attention of scientific and technological communities as they are environmentally friendly while showing competitive mechanical properties if compared to other composites reinforced with synthetic fibers. The non-conventional materials here considered may present advantages over ordinary composites in terms of lower production costs, lightness and higher tenacity. Moreover, as an alternative to non-renewable conventional counterparts, such materials may contribute to sustainable development and their prospective use include (but is not restricted to) civil engineering, confined animal production facilities, agroindustrial infrastructure, equipment, agroindustrial machinery, furniture or household tools, wrapping, and automobile industry. Within this scope this Symposium proposal aims to bring together researchers and companies that work with the subject of non-conventional composite materials enabling the dissemination of knowledge developed in the academic-scientific environment.

Abstracts will be solicited in (but not limited to) the following areas

- *Composite materials based on agroindustrial waste*
- *Non-conventional materials with natural fibers or agroindustrial waste*
- *Life cycle of non-conventional materials*

Tentative list of invited speakers (To be confirmed)

Juliana Holley (University of Bath - England) **Mariana Pilar Gatani** (University of Cordoba - Argentina) **John Provis** (University of Sheffield - England) **Bhavna Sharma** (University of Southern California - United States) **Moises Frias Rojo** (Instituto de Ciencias de la Construcción Eduardo Torroja - Spain) **Kent Harries** (University of Pittsburgh - United States) .

Symposium Organizers

Holmer Savastano Junior (University of So Paulo) **Francisco Antonio Rocco Lahr** (University of So Paulo) **Luiz Henrique Capparelli Mattoso** (EMBRAPA-CNPDI) **Eliria Maria de Jesus Agnolon Pallone** (University of So Paulo) **Juliano Fiorelli** (University of So Paulo) **Joo Adriano Rossignolo** (University of So Paulo) .

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XIX Brazil MRS Meeting