



## Porous and Hygroscopic Materials with Fiber Reinforced Polymers

Guest Editors:

### Prof. Dr. Bohumil Kasal

1. Department of Organic and  
Wood-Based Construction  
Materials, Technische Universität  
Braunschweig, 38102  
Braunschweig, Germany  
2. Fraunhofer Wilhelm-Klauditz-  
Institut WKI, 38108  
Braunschweig, Germany  
bo.kasal@tu-braunschweig.de

### Prof. Dr. Libo Yan

1. Division of Organic and  
Wooden Based Materials,  
Institute of Building Materials,  
Concrete Construction and Fire  
Safety, Technische Universität  
Braunschweig, 38102  
Braunschweig, Germany  
2. Fraunhofer Institute for Wood  
Research Wilhelm-Klauditz-  
Institut WKI, 38108  
Braunschweig, Germany  
l.yan@tu-braunschweig.de

### Message from the Guest Editors

Fiber-reinforced polymers (FRP) make their way in various fields from aerospace to mechanical and civil engineering applications. Hybrid systems and materials where original material is reinforced or enhanced with FRP are increasingly used in civil engineering, where wood (a lignocellulosic, organic material) and are substrates being reinforced. Both materials are hygroscopic and porous and this makes the bond (may or may not be via adhesion) extremely challenging. In addition, biodegradability of wood, concrete alkalinity, heterogeneity, and properties variability are additional variables that must be considered. These include but are not limited to: creep and mechano-sorptive creep, chemical degradation of the interface, effects of temperature, water-vapor pressure, load history and combination of thereof. This Special Issue of journal attempts to address the state-of-the-art in research in the area of hybrid systems with special focus on fundamental properties of fiber-reinforced plastic – porous, hygroscopic material interface such as wood-FRP or concrete-FRP, their performance and durability under effects of loads and interaction with the environment.

Deadline for manuscript  
submissions:  
**closed (31 October 2020)**





## Editor-in-Chief

### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

## Message from the Editor-in-Chief

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*Polymers*  
MDPI, St. Alban-Anlage 66  
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