



Showcasing research from Dr. László Szabó (Forestry and Forest Products Research Institute, Japan), a result of his Marie-Curie Fellowship at Prof. Veerle Vandeginste's laboratory (KU Leuven, Belgium).

A tutorial mini-review on nanoporous carbons from biosourced compounds: ordered hierarchical nanoarchitectures through benign methodologies

This tutorial mini-review aims at guiding the reader on sustainable practices to prepare state-of-the-art ordered mesoporous carbon nanoarchitectures. We propose that soft-templating bottom-up strategies can provide the most energy- and resource-efficient ways to manufacture these materials thus far. We further look at possible ways to make soft templating strategies environmentally more benign: the use of biosourced building blocks, less hazardous chemicals (solvent, crosslinker, activating agent), together with the implementation of innovative green processes (e.g., mechanosynthesis) are notable examples on good practices. We hope to drive more interest towards this direction.

As featured in:



See László Szabó *et al.*, *RSC Sustainability*, 2023, 1, 1354.