

## Accepted Manuscript

Title: From monomers to polymers from renewable resources:  
recent advances

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PII: S0079-6700(15)00011-8  
DOI: <http://dx.doi.org/doi:10.1016/j.progpolymsci.2014.11.002>  
Reference: JPPS 911

To appear in: *Progress in Polymer Science*

Received date: 17-7-2014  
Revised date: 13-10-2014  
Accepted date: 20-11-2014



Please cite this article as: Gandini A, Lacerda TM, From monomers to polymers from renewable resources: recent advances, *Progress in Polymer Science* (2015), <http://dx.doi.org/10.1016/j.progpolymsci.2014.11.002>

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# From monomers to polymers from renewable resources: recent advances

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**Abstract.** Considering the state of affairs related to polymers and their applications, the plastic-dependence of the modern society is evident and becomes now needless to mention. Together with that, the exhaustive discussion about the quick depletion of petroleum resources and the obvious alternative that lies on the great versatility of renewable feedstocks, it is clear that the most recent efforts should - and are - directed to design more sustainable polymers to replace the classic ones. This review aims to offer a panoramic overview of the recent progress, but mainly of the broad possibilities that are still available in the hands of researchers working on this topic.

**Keywords:** Polymers from biomass; Polysaccharides; Lignin; Plant oils; Terpenes and rosin; Glycerol; Sugars; Furans

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