Table of Contents

Preface, Committee, Sponsor

Chapter 1: Recycling and Applications of Biobased Materials

Manufacturing of Bioactive Biodegradable Scaffolds by Stereolithography V. Rstakyan, L. Mkhitaryan, M. Torosyan, Z. Karabekian, G. Sevoyan, M. Aghayan and M.A.	
Rodríguez	3
Utilization of Levoglucosan Production By-Products K. Liepins, A. Zhurinsh and G. Dobele	13
Analysis of Pine Resin Properties as a Way to Understand and Prevent Exudation from Wood Material E. Sansonetti, D. Cirule, E. Kuka and K. Meile	21
Literature Review of Applicable Ballistic Materials for Temporary Wooden Building Envelopes	21
E. Barone, B. Gaujena and M. Vilnitis	29
Chapter 2: Production Technologies and Product Design	
A Promising Approach to Solid-State Hydrogen Storage: Mechanical Nanostructuring Synthesis of Magnesium by High Pressure Torsion Extrusion	40
B.O. Shahreza, F. Sergejev, J. Ivanisenko and J. Huot	43
Development of a Performance-Based Specification Model of Combat Clothing for the Procurement Process in Estonia	
A. Traumann, M. Beilmann, T. Peets, A. Keefe and P. Saartok	53