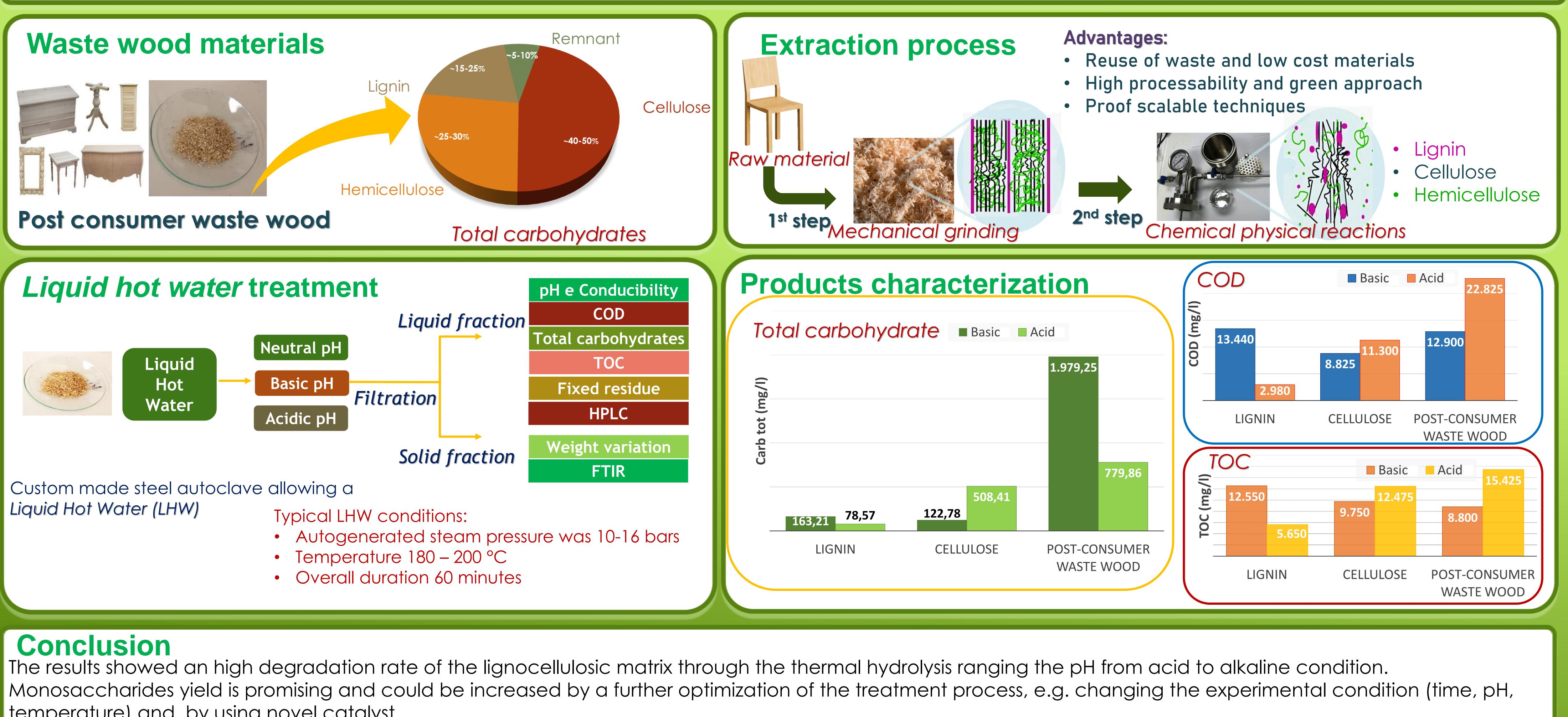
GREEN CHEMISTRY LIVE AND ONLINE POSTGRADUATE SUMMER SCHOOL 4th-10th July 2021 Venice, Italy

## Introduction

The present work exploits the experimental condition to set up a viable process capable to convert the waste lignocellulosic biomass into high-value chemical precursors (fermentable sugars. The aim is focus finding a management alternative for the vegetable wastes arising from human activities. Through Liquid Hot Water (LHW) process, we obtained carbohydrates from post-consumer wood waste, available for the production of novel bio fuel and bio based compounds.



temperature) and by using novel catalyst.

**1**, Zhuang, X., et al., 199, **2016**, Vol. Bioresource technology. 68-75; **2**, Agbor, V. et al., **References:** 29(6), 2011, Vol. Biotechnology advances. 675-685., 3, L. Singh, et al., Springer, 2017.

## **TREATMENT OF LIGNOCELLULOSIC BIOMASSES** FOR THEIR CHEMICAL VALORIZATION

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