

COFFEE CASCARA GLUTEN-FREE BREAD: A HEALTHY LIPID PROFILE?

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CASELO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

INTRODUCTION

Coffee cascara (CC) is the major by-product in the process of obtaining green beans. It may be considered as a source of glutenfree natural¹ and sustainable dietary fiber² with low fat content³ (1.5-3%).

Bread is considered as a basic food in the Mediterranean diet with high carbohydrate content and low fat. The application of bioactive compounds from CC for improving the nutritional quality of the gluten-free bread is possible⁴.

OBJECTIVE

To gain insight into the lipid profile of the insoluble fraction of coffee cascara (IFCC) and its impact on the nutritional and sensory properties of novel glutenfree breads made with IFCC.

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REFERENCES

Bondesson, E. (2015). Bachelor Thesis. Swedish University of Agricultural Sciences.
Murthy, P.S., & Naidu, M.M. (2012). Resources, Conservation and recycling, 66,45-58.
S.Reis, N., et al. (2013). LWT-Food Science and Technology, 50(2),715-722.
Guglielmetti, A., et al. (2019) Polish Journal of Food and Nutrition Sciences. 69,(2) pp. 0–0
5.del Castillo, M.D., et al. (2013) Patent P201131128. CSIC.
Ballesteros et al. (2014). Food Sciences Technol, 7(12), 3493-3503.
7.Callejo, M.J., (2011). Journal of Sensory Studies, 26, 255–268.
WHO. (2003). WHO Technical Report Series 916, Geneva.





