Subcritical Water Fractionation of bioactive compounds from Brewer’s Spent Grain (BGS)

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BSG has a wide range of possible applications as a valuable source of bioactive products as it has been shown in this work. Furthermore, BSG, as lignocellulosic biomass, is also a source for sugars production such as xylose, arabinose and glucose. High protein content of BSG (17.8 %wt.) makes it very interesting for application in the human diet. The results obtained in this work suggest that subcritical water fractionation of BSG is suitable to recover the main protein fraction and the total polyphenol content. The highest temperature in the range investigated, shows the best results related with bioactivity.

CONCLUSIONS


REFERENCES