

Dietary lipid protection from oxidation by lingonberry phenolic extracts in in vitro digestion conditions

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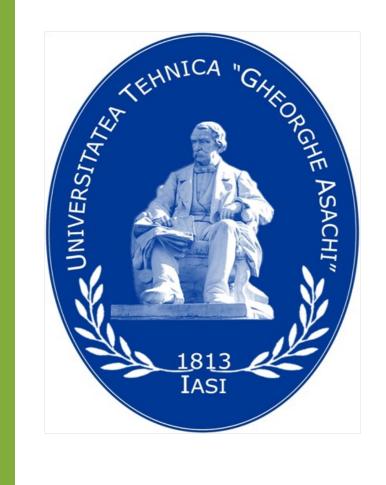
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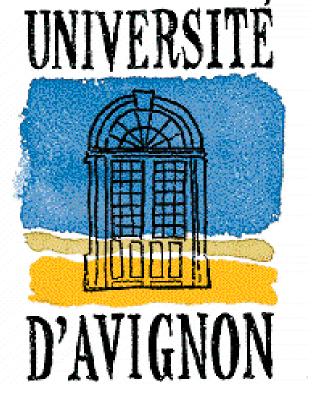
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Dietary lipid protection from oxidation by lingonberry phenolic extracts in *in vitro* digestion conditions



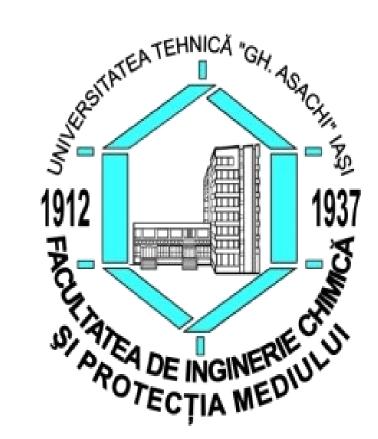


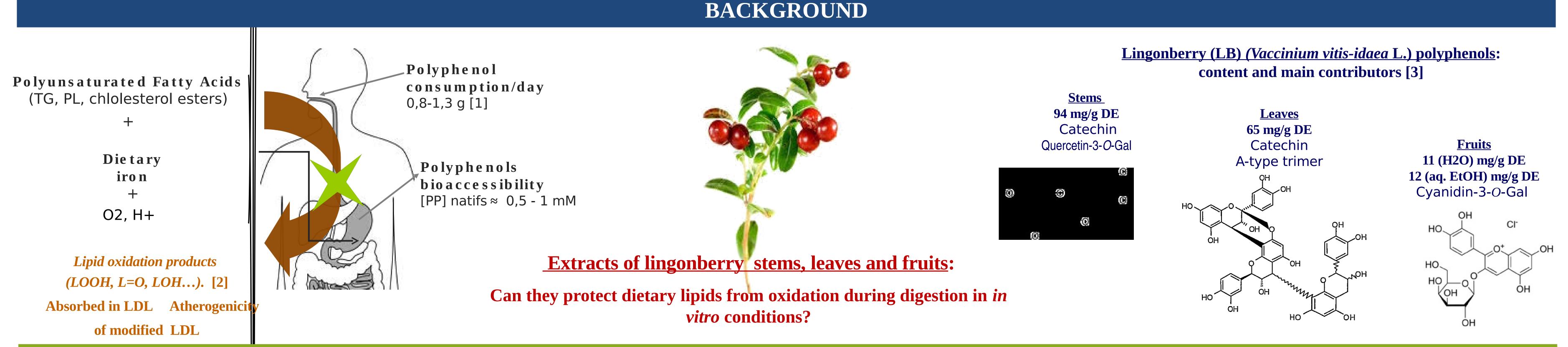


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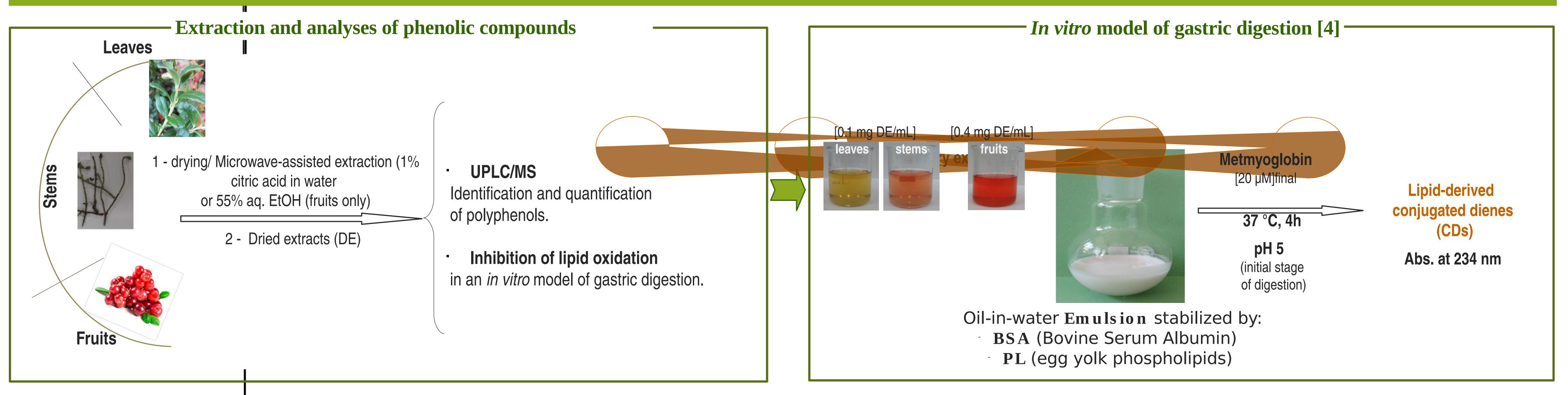
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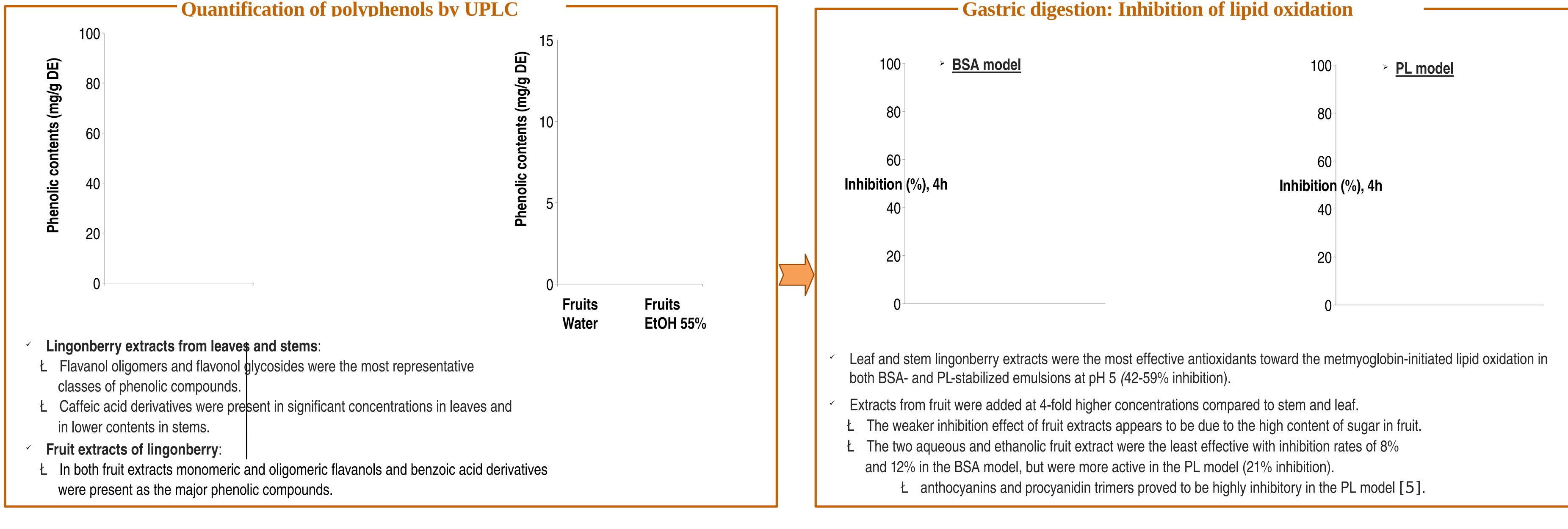




MATERIALS AND METHODS



RESULTATS AND DISCUSSIONS



CONCLUSIONS

Different morphological parts of lingonberry represent a potential source of phenolic compounds.

Leaf, stem and fruit extracts of lingonberry can play a protective role towards oxidation of polyunsaturated dietary lipids during gastric digestion of a simulated Western diet.

References:

[1] Pérez-Jiménez J. et al., Am. J. Clin. Nutr., 2011, 93, 1220–8.
[2] Ursini F. and Sevanian A., Biol. Chem., 2002, 383, 599–605.
[3] Bujor O-C, PhD Thesis, TUIASI, INRA-Univ. of Avignon, 2016.
[4] Lorrain B. et al., J Agric Food Chem., 2012, 60, 9074–9081.
[5] Asprogenidi, K. PhD thesis, Université d'Avignon, 2015.

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