

APPLICATION TO DETERMINE THE NUTRITIONAL INTAKE OF POLYPHENOLS FROM DIETARY SURVEYS

A research group from CIBER, University of Barcelona and IDIBELL has developed a software that allows estimating the intake of polyphenols in the diet.

The Need

In nutritional research, the dietary intake of phytochemicals can be assessed through the use of dietary questionnaires. These studies allow a more detailed description of the dietary intake of these compounds, providing valuable information to investigate their health-promoting role in healthy aging. However, there is no associated software to calculate polyphenols dietary intake.

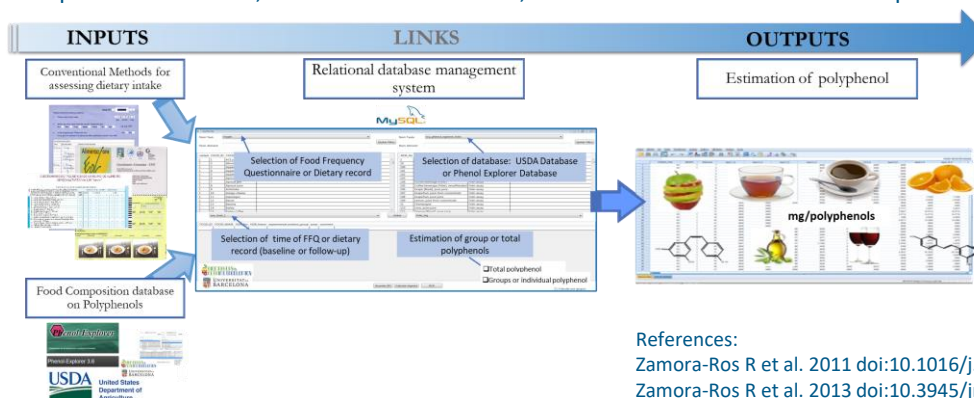
The Solution

The research group has created an ad hoc food composition database on polyphenols, which contains the concentrations of phenolic compounds in 1877 food products expressed in mg.

The application developed estimates the intake of specific polyphenols from the diet. Participants' diets are entered and links are made between the foods and the polyphenol databases available and "inhouse".

Innovative Aspects

- Thanks to this application, estimates of the amount of polyphenols / day / individual can be made.
- It would be of interest for food industries who want to develop new products and need to know the healthy effect of bioactive compounds in the diet, as it is done in vitamins, minerals and other bioactive compounds.



References:

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 Rabassa M et al. 2015 doi:10.3945/ajcn.115.118976
 Guglielmetti S et al. 2020 doi: 10.1186/s12877-020-1472-9.
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 Del Bo' C e tal. 2021 doi: 10.1016/j.cnu.2020.12.014.

Intellectual Property:

- Software registered at University of Barcelona repository.

Aims

Looking for a partner interested in a license and/or a collaboration agreement to develop and exploit this asset.

Contact details

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