



# NEW APPROACHES FOR ANALYSIS METHODS OF THE INPUTS USED IN ECOLOGICAL AGRICULTURE

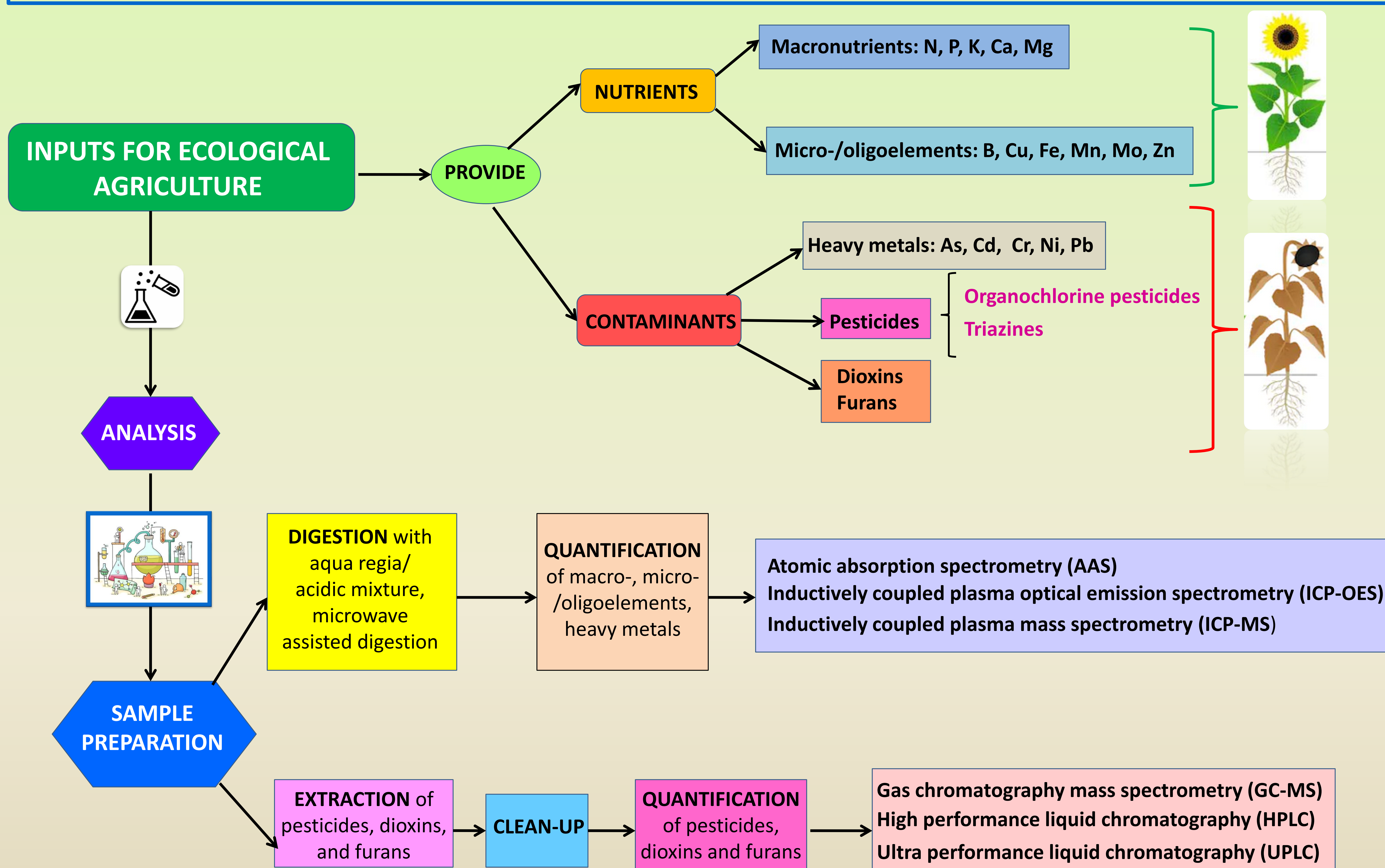


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**Ecological agriculture** is nowadays considered a potential solution to obtain healthier and nutritious food products but also to minimize the environmental impact by using as inputs, natural resources without resorting synthetic chemicals. The inputs (organic and mineral fertilizers, soil amendments, plants protection products, etc.) accepted for ecological agriculture are regulated by Commission Regulation (EC) No 889/2008 and by Regulation (EC) No 2003/2003 of the European Parliament and of the Council. The quality of inputs is very important and therefore it is mandatory to subject them to chemical analysis, from two perspectives: to characterize their nutritional value for crops and also to evaluate the level of contaminants.



## CONCLUSIONS

To take the advantage of growing interest in ecological agriculture, many types of inputs have been promoted, in some cases the quality of them being questionable. As these products have to obey strict standards, their chemical analysis is a very important step to contribute for providing high quality products and to ensure environment protection.

The present paper described the most used methods for inputs analysis to characterize their nutritional value by assessing macro-, oligo-/microelements concentrations and to detect potential contaminants (heavy metals, pesticides).

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