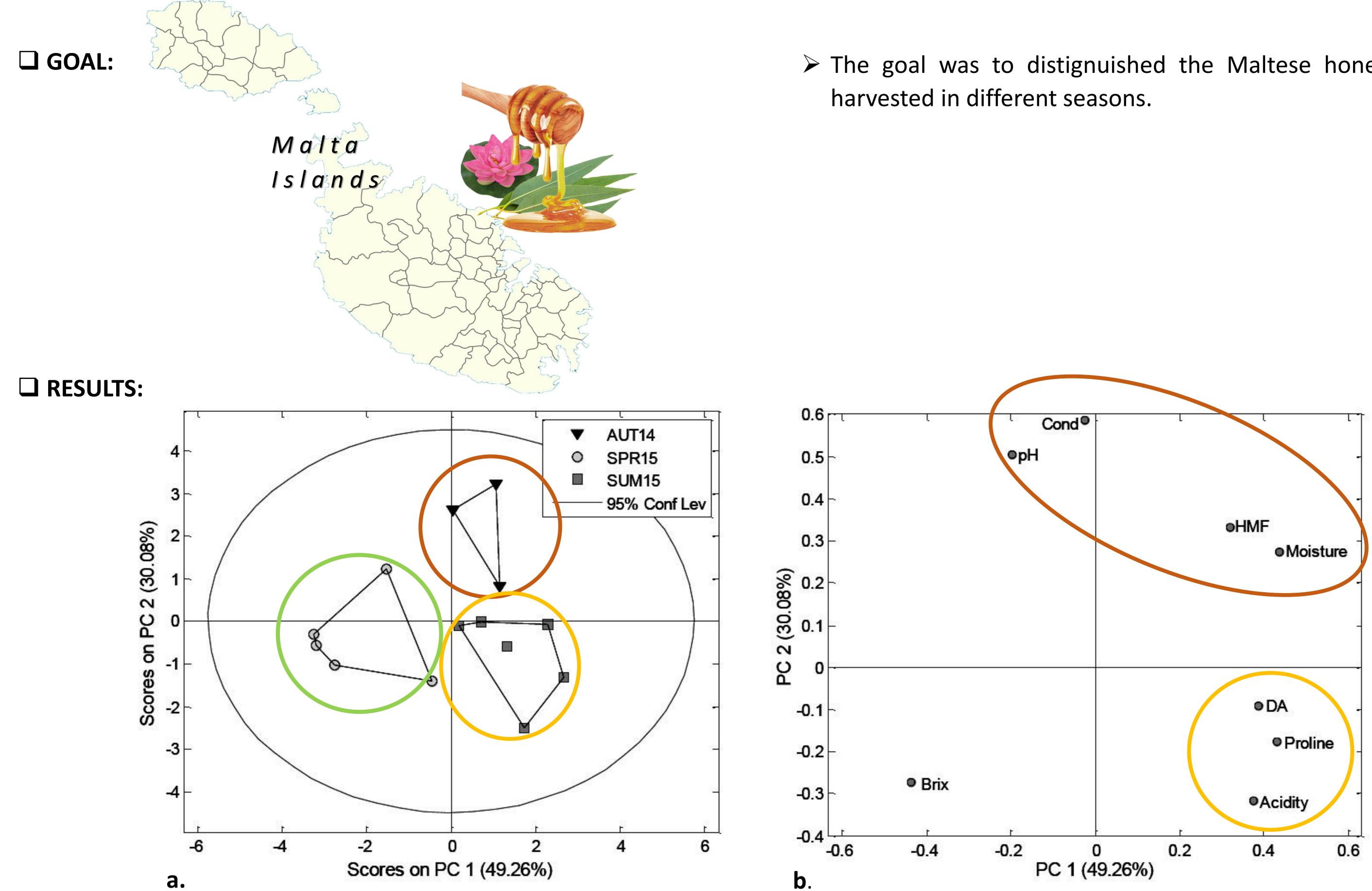
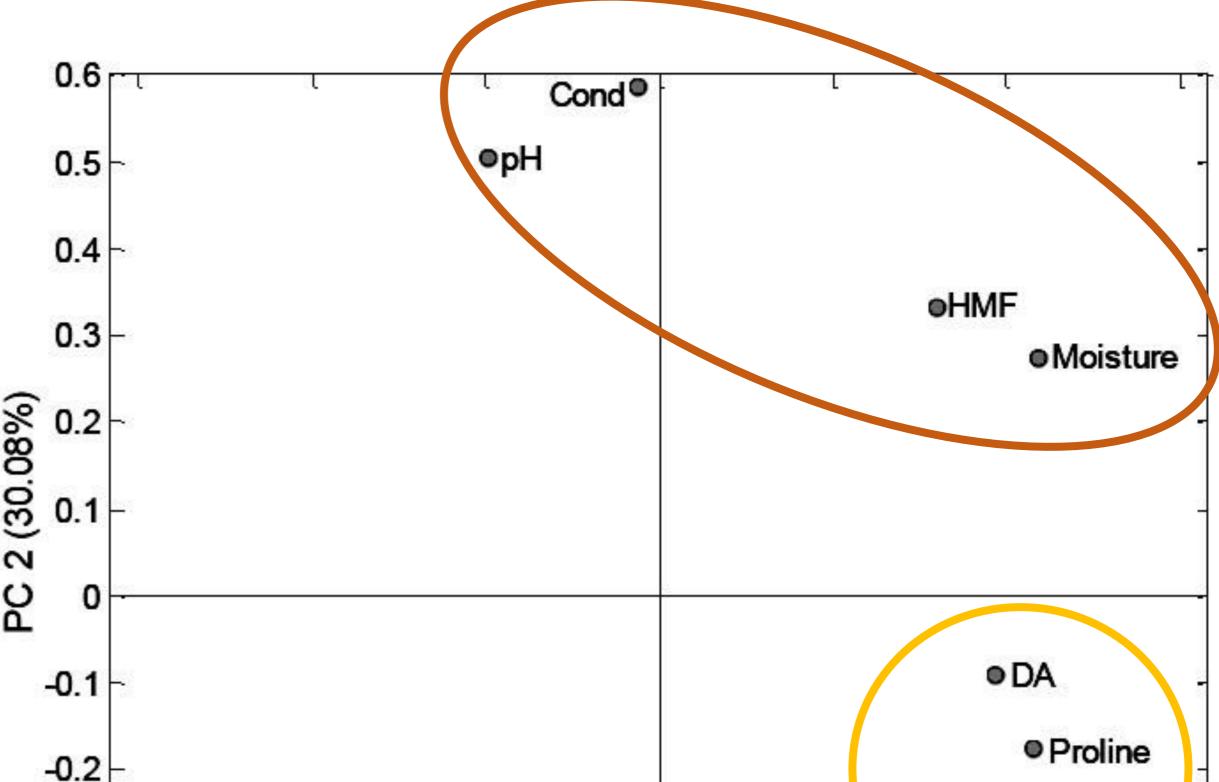
## **CHARACTERIZATION OF MALTESE HONEY HARVESTED IN DIFFERENT SEASONS** BY USING PHYSICOCHEMICAL PARAMETERS AND APPLIED MULTIVARIATE DATA ANALYSIS

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> The goal was to distignuished the Maltese honeys samples



**Figure 1**. PCA model based on physicochemical parameters for Maltese honey collected at different seasons, a. score plot, b. loading plot

**CONCLUSION:** PCA analysis performed on the data of physicochemical parameters revealed distinctly grouping of the samples according to seasonal variability.

> AUTUMN HONEY samples was determined by moisture content, electrical conductivity and HMF content.

 $\succ$  SPRING HONEY samples possessed the lowest value of all physicochemical parameters.

> SUMMER HONEY samples was distignuished by free acidity, diastase activity and proline content.

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