

ABSTRACT

ANALYSE OF SOME MACRO AND MICRO INORGANIC COMPONENTS OF OLIVE AND ITS PRODUCTS

Ceylan YILMAZ ÇEVİK

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Supervisor: Prof. Dr. Mustafa DEMİR

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Investigation of trace elements components in olive and its products is important for both oxidative stability of oil and also health that considered toxicologic effects and roles in Metabolic functions of trace elements.

In this research, we analysed the elements of olive and its products (such as Zn, Fe, Se, Mg; some nutritious elements, Pb, Cd; some toxic elements)

These analyses are chosen four different regions where olive is produced: in order to investigate the difference types and areas. These are Aydin, Milas-Çomakdağ, Milas-Selimiye and Muğla-Yatağan Regions.

According to the olive varieties: Memecik, Gemlik, Delice, Chalabi was named the genus species.

Harvest time: Harvest time before (green olive) harvest (black olives), including various parameters, and each parameter olive leaf, olive fruit, the land where olives are grown, olive processing is also examined metal distribution in various samples, including. The analyzes were performed using ICP-OES spectrophotometer. Solubilization in preparation for analysis of samples by microwave method was used.

Key Words: Olive, olive leaf, icp-oes