***ABSTRACT***

 The fruits of two plants from Algeria (*Quercus* and *Pistacia lentiscus*) were investigated. The paper reports the chemical characteristics and the fatty acid composition of the oil extracts from the fruits. The black fruits of P. lentiscus has the highest crude fat of 32.8%, followed by the red fruits with 11.7%, and the lowest value of 9% in Quercus (acorn). The acid value was highest in red fruits of *Pistacia lentiscus* oil (24.0 mg KOH/g), followed by the black fruits oil and lowest in acorn oil. The relatively high iodine value in the oils indicates the presence of many unsaturated bonds. Saponification value was highest in the Quercus ilex oil (166.7 mg KOH/g), while the lowest value was in the black fruits of P. lentiscus oil. Gas-liquid chromatography revealed that the three dominant fatty acids found are: palmitic C16:0 (16.3–19.5%), oleic C18:1 (55.3–64.9%),linoleic C18:2 (17.6–28.4%). The oils contain an appreciable amount of unsaturated fatty acids (78.8–83.5%).

 **Keywords**  : Oil \_ Chemical characteristics \_Fatty acid composition \_ *Pistacia*

 *lentiscus \_ Quercus*

**I. Reading comprehension**

1. **The text is about :**
2. The acid composition of Pistacia lentiscus growing in Algeria.
3. The purpose of the fatty acid of Quercus.
4. The composition of Quercus and Pistacia lentiscus growin in Algeria.
5. **FIND A TITTLE FOR THE ABSTRACT**
6. **Answer the questions according to the text**
7. What is the common component between acorn and pistacia lentiscus ?
8. What are the diseases that pistacia lentiscus heal, used in traditional medicine of Algeria?
9. What does The genus Quercus include?
10. **Are these statements true or false?**
11. Fruits of P. lentiscus give anedible oil which is rich in unsaturated fatty acids as oleic and linoleic.
12. Gas-liquid chromatography revealed that the four dominant fatty acids.
13. The relatively high zinc value in the oils indicates the presence of many unsaturated bonds.

***II.* Mastery of Language**

1. Give the plural of: leaf = species =
2. Make the verb between brackets into the correct form

The acid value (to be) high in the four oils and specifically in the red P. lentiscus fruit (24.0 mg KOH/g) which ( to indicate) that the oils ( to contain) a huge amount of free fatty acids.

1. Fill in the table

|  |  |  |
| --- | --- | --- |
| Noun  | verb | Adjective  |
|  | To continue  |  |
| Detective  |  |  |
|  | To typify  |  |

 **III. Production**

In a paragraph form, write about the traditional medicine in Algeria.