Sensors applications for olive oil quality

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The olive tree (*Olea eruopeas L*.) is one of the most ancient trees cultivated in the Mediterranean regions. Olive trees play an important role in the social and economic life of this region. It is one of the oldest agricultural trees cultivated over large areas in Palestine. The number of olive trees is exceeding 10 million (about 67.3% of horticultural trees) and occupying more than 50% of the agricultural area. The trees comprise one of the main sources of income, reaching its contribution to the good years to about 13% of the annual agricultural production.