**APPLICATION FORM**

**Training School - Low oxygen role in fruit physiology and post-harvest storage**

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**Location**: Faculty of Agriculture, University of Akdeniz

Campus, Konyaalti 07058, Antalya, Turkey

**Date**: April 16th to 18th 2023.

Regulation of atmospheric compositions of the storage atmosphere have gained popularity all over the world in recent years. Increasing the CO2 and decreasing the O2 level had positive effects on fresh fruit quality during storage. Reducing the oxygen level is an effective method during the postharvest of many horticultural crops but the tolerance level can be changed by many factors such as cultivars, maturity stage, storage temperatures, etc. This course aims at scientists and students who have little or no practical experience of low oxygen storage techniques but plan to develop or apply postharvest atmosphere regulation in their own research and industrial scale in the near future. The course comprises a series of theoretical, laboratory, and industrial scales lectures and company visit. This course especially focused on the effect of low oxygen storage treatment in postharvest fruit quality of horticultural crops. This course will mainly focus on the development of measurement and control technology of low oxygen storage, measurement and determining internal and external oxygen levels of different fruits, the physiological and molecular responses to fruits to low oxygen, and their practical application in the postharvest industry (private company visit).

For more information about the training school, contact Dr. Julien Pirrello, Dr. Panos Kalaitzis and Dr. Mustafa Erkan at julien.pirrello@toulouse-inp.fr, panagiot@maich.gr, and erkan@akdeniz.edu.tr

Application form has to be sent to Dr. Julien Pirrello (julien.pirrello@toulouse-inp.fr), Dr. Panos Kalaitzis (panagiot@maich.gr) and Dr. Mustafa Erkan (erkan@akdeniz.edu.tr). Selected applicants will be reimbursed according to the COST rules (transport expenses and daily allowance).

**Application deadline: February 28, 2023**

**Applicant’s Information**

Applicant Name:

Applicant Institute:

PhD student 🞏 Post-Doc 🞏 Permanent Staff 🞏 Other 🞏

**1.) Summary of applicant’s research project** *(max 500 words)*

**2.) Relevance to the RoxyCOST Action** *(max 500 words)*

**3.) Reason for joining the training school** *(max 500 words)*