



Carleton
UNIVERSITY



Community work at Carleton university

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Saffron project







About saffron:

Saffron(*Crocus sativus* L.) is the most expensive spice in the whole world.

Saffron can be used as colouring and flavoring agent in foods in addition to the medicinal purposes. (anti- depression/bring happiness)

Why Saffron was chosen as project ?

This community project aims to study the potential of growing saffron under cold weather in Ottawa, Canada and investigate the presence of phytochemicals in stigma and flowers.

Advantages of saffron

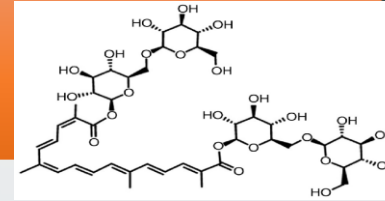
High in
antioxidants

Preventing
neurodegenerative
disorders

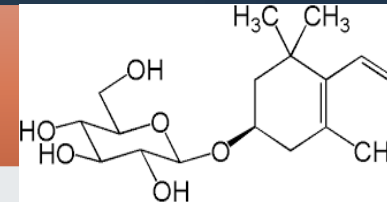
Boosting mood

Active compounds in saffron:

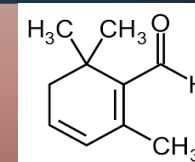
1) crocin



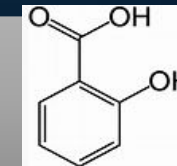
2) picrocrocin

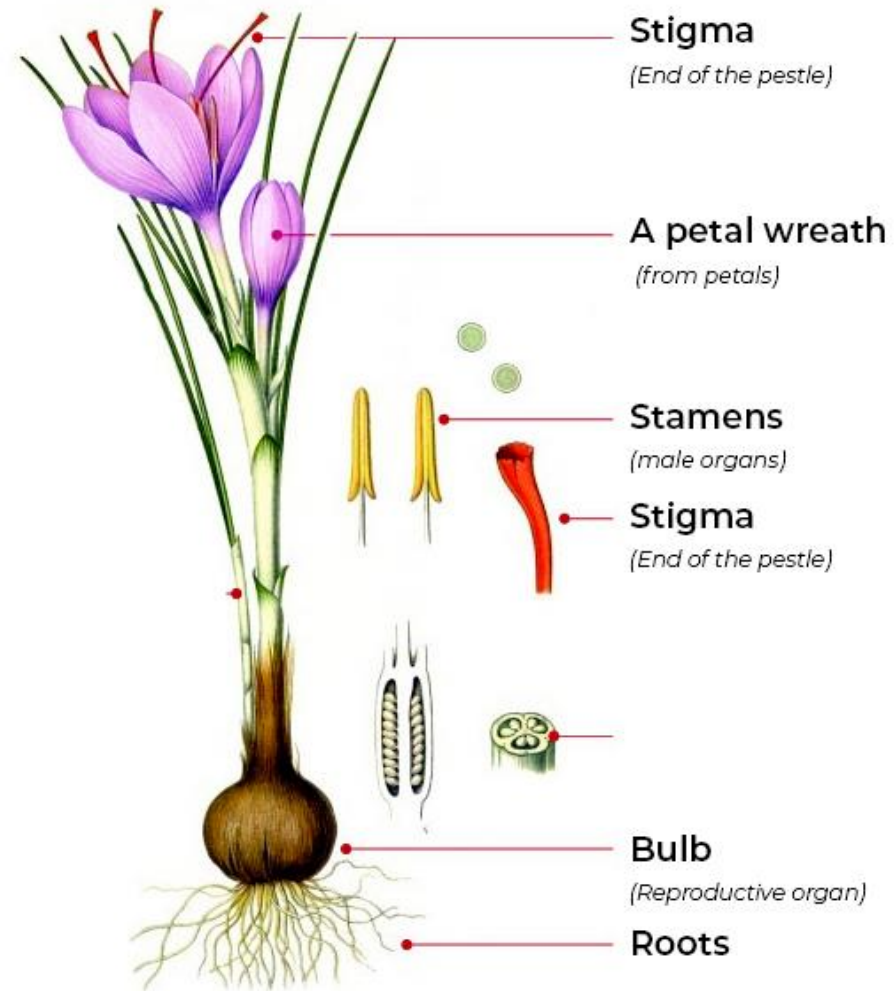


3) safranal



4) phenolics







The project has

two phases:

1) growing and harvesting the saffron
in both field and greenhouse.

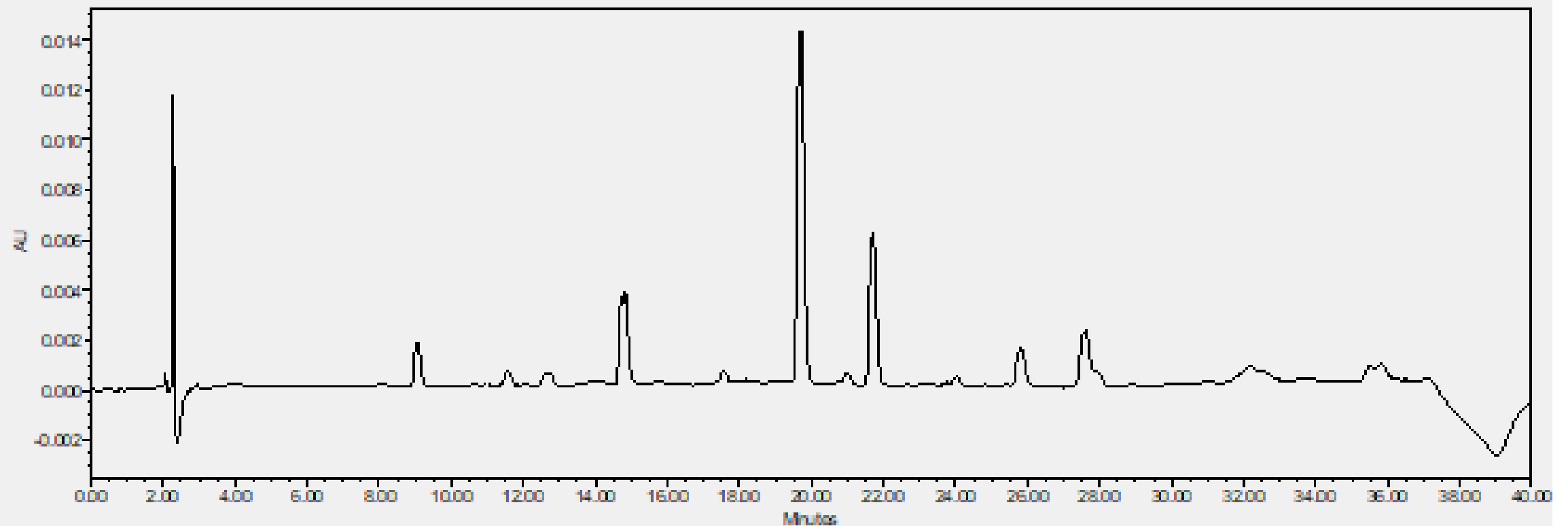
Control and
record
irrigation,
weeding, and
weather
conditions.







Phenolics in Canadian Saffron





Group photo
Fall 2021

