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XXXV CONVEGNO NAZIONALE "La ricerca in Chimica Agraria: integrazione dello studio dei sistemi suolo, pianta e ambiente" Udine 11-13 settembre 2017



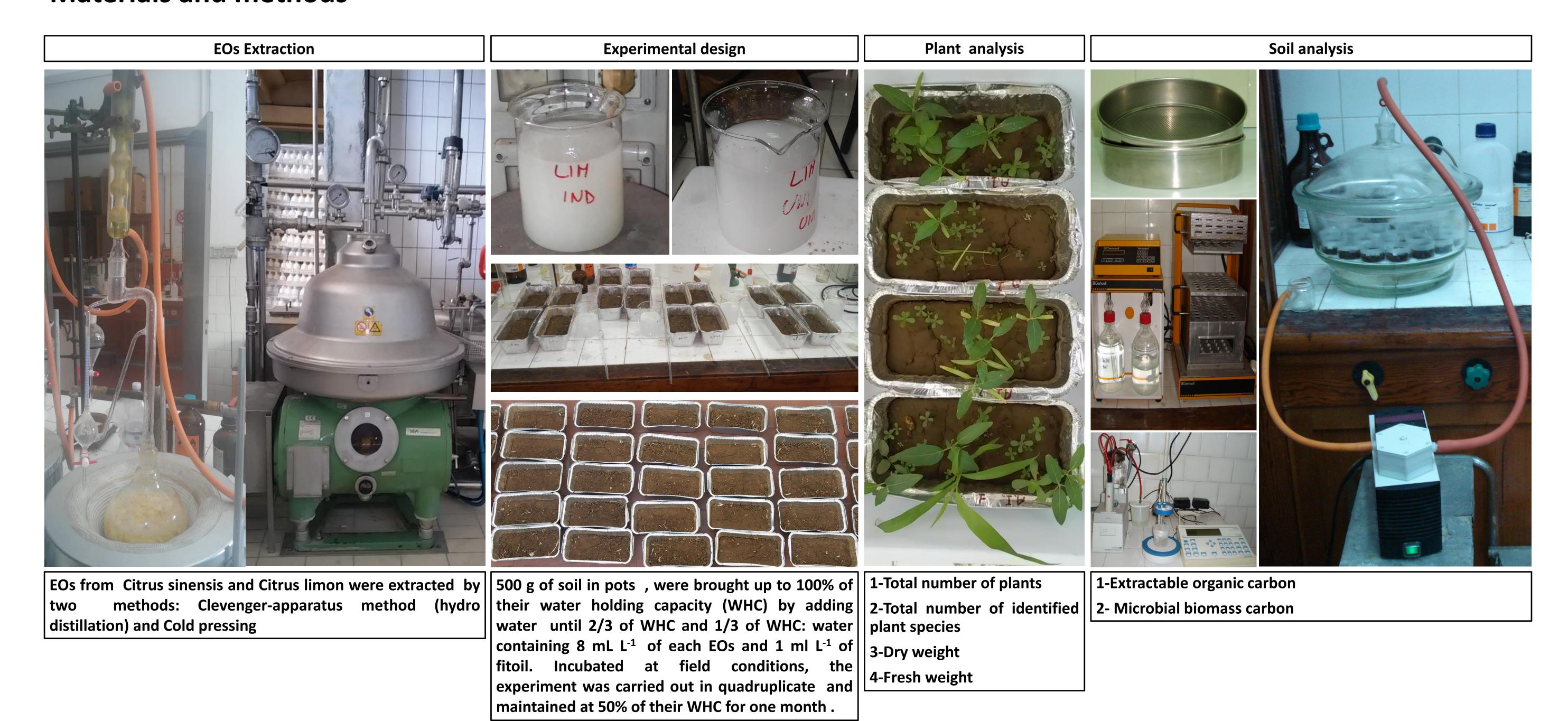
Effects of Citrus essential oils on weed emergence and on soil microorganisms

Ioppolo, Antonino, Jouini, Amira, Laudicina, Vito A., Palazzolo, Eristanna

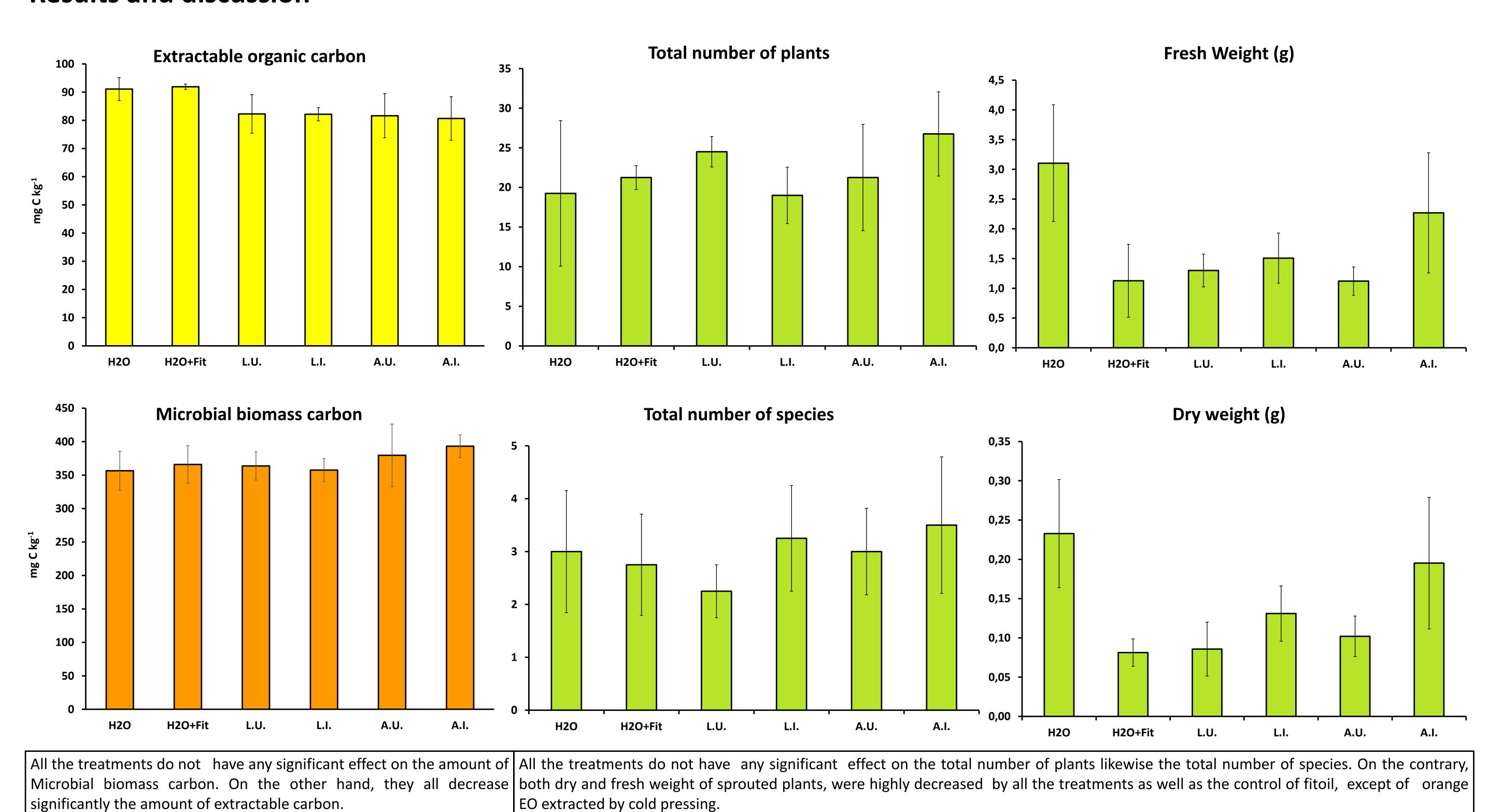
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Objective: To evaluate the in vivo potential effects of Citrus EOs extracted by hydro distillation and cold pressing on weed emergence and on soil biochemical properties.

Materials and methods



Results and discussion



Conclusion: The currents findings of the" in vivo" study reveal that the Citrus EOs, extracted by hydrodistilation and cold pressing methods decrease the extractable organic carbon and do not have any effect on the weed germination as it was found in the "in vitro" studies of the literature. Thus, further "in vivo" investigations are needed to be done to underline the potential effect of citrus EOs on weed suppression.