Open the loop: Cultivation of halophytes in hydroponics

Optimization of halophyte cultivation under hydroponic conditions and different salinities

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Many different species Different natural environments



Salicornia europaea in the salt marsh Crithmum maritimum in the

brown dunes



Cakile maritima in the white

dunes



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Salicornia europaea

Common glasswort, Sea asparagus, Pickle weed







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Products made from halophytes Appreciated in many parts of the world as delicacy



Pickels from sea aster



Pickels from sea asparagus



Pickels from sea fennel



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Different types of soilless culture constructions







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Biomass production per week

Developmental processes!





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Biomass at different salinities







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Products: Food, secondary compounds, biomass etc.



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Halophytes grown in the field (in former salinas)









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Greenhouse in Israel: Irrigation with brackish water









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Cultivation in containers with artificial LED







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Thank you!

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