PhD in Agri-food Sciences, technologies and biotechnologies — UNIMORE — XXXIV cycle

Therapeutical effects of healing gardens on children and adolescents with special educational needs



Background

Nature

- Positive effects on human health
- Horticultural therapy

Therapeutical action

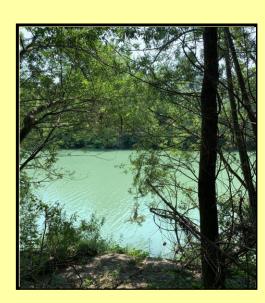
- Active therapeutical action
- Passive therapeutical action

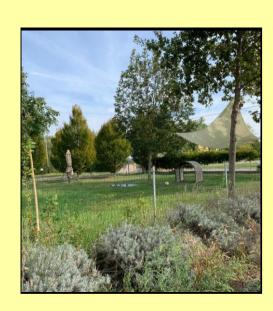
Applications

- Occupational therapy
- Post operative rehabilitation
- Physical rehabilitation

Psychology

- Horticultural therapy associated with psychotherapy
- Cognitive desease









Greenhouse

- Finishing of the greenhouse structure
- Planting a flowering shrubs (jasmine) and green hedge
- Realization and placement of outdoor furniture
- Clinical data collection by regulatory assessment tools (pre-trial)

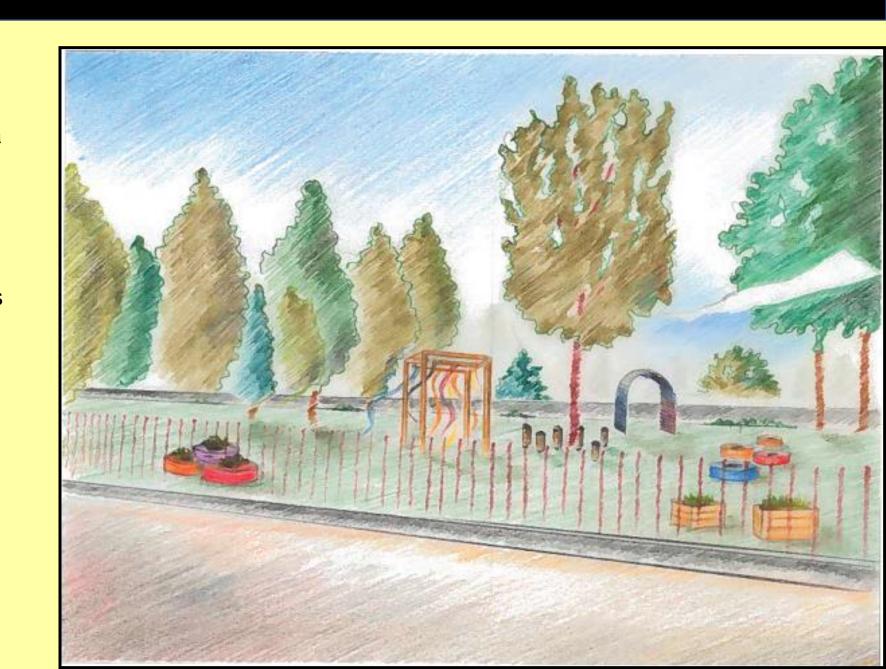


Therapeutic garden

Study and design of a healing garden

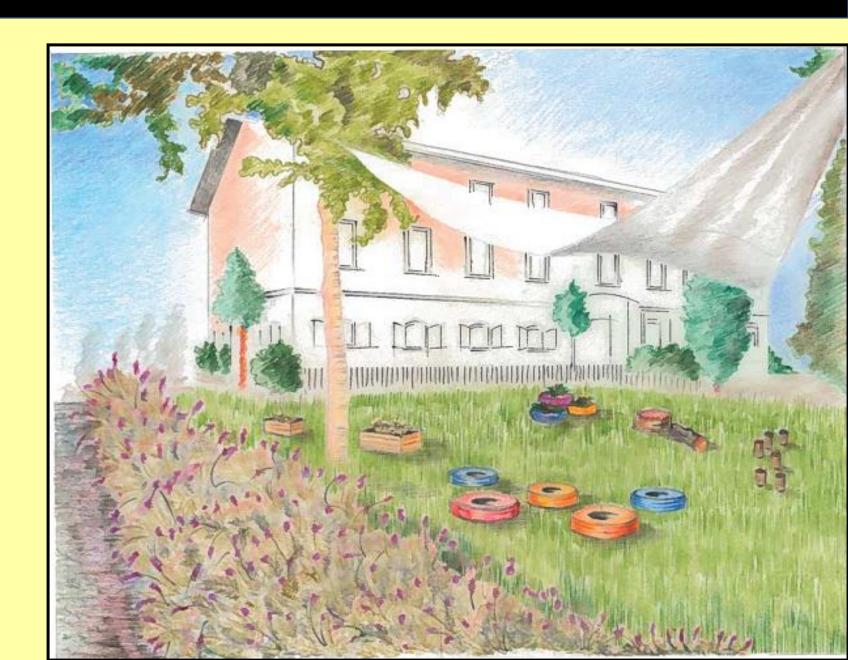
Design of a structures for horticultural activities

Design of paths for outdoor therapy



Next goals

- Collection and processing of outdoor therapy data (psychoterapy)
- Realization and adaptation of structures for the healing garden
- Collection and processing of hortoterapic activities data
- Collection and processing of outdoor paths data



Tutors: Prof. L. Arru – Dr. V. Artoni

Thanks for your attention