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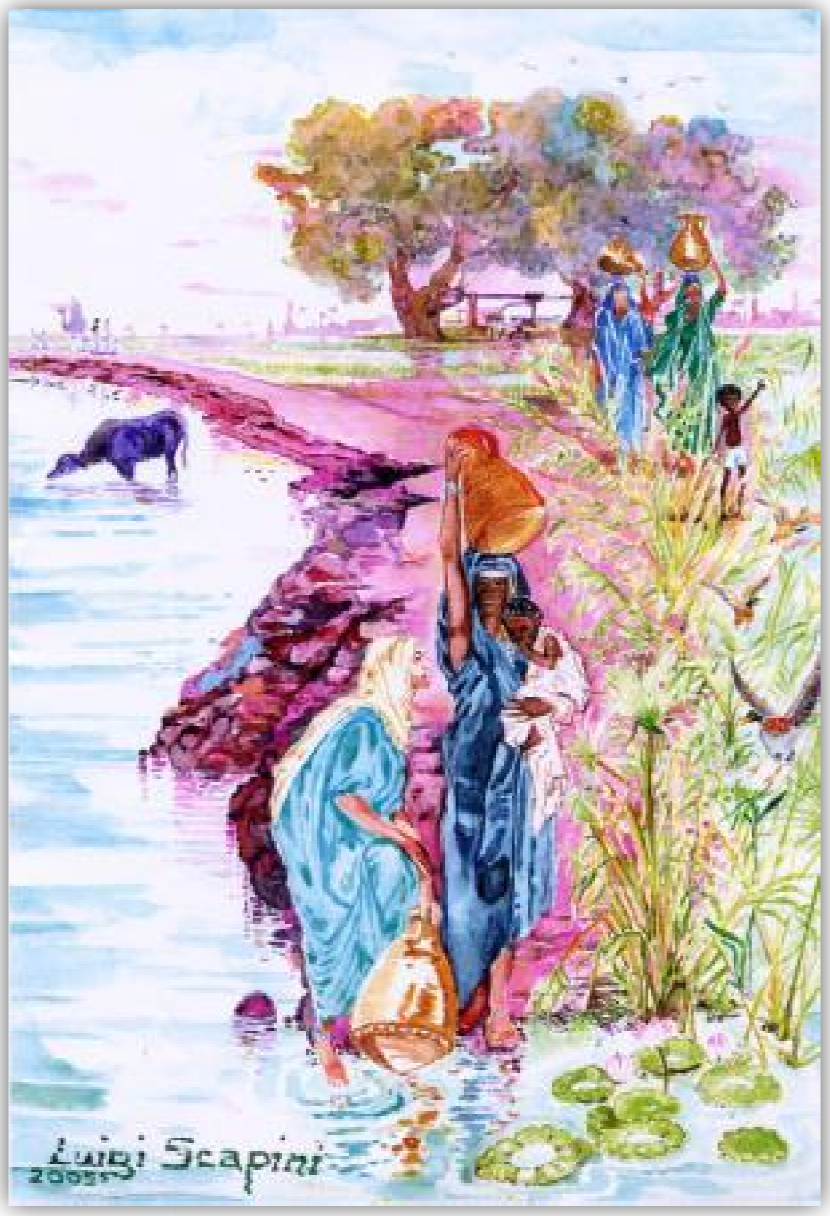

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Abstract/Résumés

A preliminary spatial analysis of the population of *Limonium etruscum* Arrigoni et Rizzotto at Parco dell'Uccellina, Tuscany, Italy

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A population of *Limonium etruscum* Arrigoni et Rizzotto was subject to a preliminary spatial analysis in its type locality at the Parco dell'Uccellina on the coastal fringe between Marina d'Alberese and Collelungo. Occurrence of this plant was investigated along a number of permanent belt transects extending inland from the shoreline up to a perpendicular distance of 150m. Field data was initially collected as presence/absence of the species within a $1m^2$ square quadrat at replicate points along each metre-interval of a transect and subsequently amalgamated into cumulative occurrence counts for each five-metre interval. Individual plants were recorded within a range of 51m to 138m from the shoreline with peak abundance being attained in the 100m-120m interval and decreasing very sharply further inland. The abundance of *L.etruscum* as highly correlated with salinity of the substratum (r=0.86; n=19). The spatial distribution of plants on scales of $100m^2$ was described through calculation of a T-Square Index and resource usage of individual plants estimated using Voronoï tessellations. Values of the T-Square Index suggested uniform to overdispersed distributions of individuals, whilst analysis of Voronoï tessellations did not indicate any correlation between dimensions of individual plants and the area of substratum utilized.