

Third Laureate Applied Research

- **Research Work Title:** Crossing of chrysanthemum clones, creating diversity in chrysanthemum masses by determining morphological characteristics in order to introduce new and superior cultivars of chrysanthemum cluster, gardens and cut flowers
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- **Collaborator Organization:** Horticultural Sciences Research Institute (HSRI)



Abstract:

Chrysanthemum with 160 species from Astraceae family from wide varieties in color and form is one of the most cut and pot flowers throughout in the world. Chrysanthemum, in 70s, was in the top of world flower product and in 90s, it was placed second in world production, rose flower being the first.

If our country can meet the two challenges at production all over the year and presenting new figures, it has quite proper condition for producing and exporting Chrysanthemum.

Accordingly, for introducing new types of Chrysanthemum for development of Iran flower exports hybridization research project between 10 Chrysanthemum colons has started to produce variety in Chrysanthemum bulks. Every year after choosing the parents, emasculation and isolating operation, hybridization and plantry hybrid seed in green house and then in second year, transplanting produced seedlings to the farm and evaluated them according 22 emphasized characteristics in international Guideline UPOV for the conduct of tests for Distinctness, uniformity and stability in Chrysanthemum. With repeating this cycle in the next years we achieved about 800 new cultivar of Chrysanthemum. Fortunately after establishing the Seed and Plant Certification and Registration Institute (SPCRI) with Certificated Distinctness, uniformity and stability new kinds and nomination, Registered 800 superior kinds as first Irand breded cultivars.

