

21st Century Frontier Research Program for Development of Nutraceuticals by Using Medicinal Plants in Korean Peninsula.

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<Introduction>

○ Background

Plant Diversity Research Center was founded in April 2000 as one of the 21C Frontier Research Program supported by Ministry of Science and Technology of Korean government

○ Research Period

10 years (July 2000 - June 2010)

○ Budget

KRW100bil. or USD 100mil
(KRW10bil/year or USD 10mil/year)

○ Objectives of the Project

- Collection and Utilization of plant resources in the Korean peninsula
- Development of high value-added products from plant resources
- Promotion of basic research on plant biotechnology

○ Contents of the project

- Publication of the Flora of Korea
- Development of a plant chemical extract bank
- Plant genetic data base and bioinformatics

Technology development for wild systematics
Cultivation technology for wild flowers and trees
Development of nutraceuticals from plant resources
High value-added natural products
Isolation and utilization of useful genes for secondary metabolism
Development of high value-added transgenic plant