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## Crop germplasm resources bank in China

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A national crop germplasm resources conservation system, including *in situ* conservation and *ex situ* conservation, has been preliminarily built up in China. Up to now, 169 *in situ* conservation sites have been established in provinces, municipalities and autonomous regions. All these *in situ* conservation sites involve wild relatives of crops, such as wild rice, wild soybean, wild wheat relatives and so on. *Ex situ* conservation system includes one national long-term genebank, one national duplication genebank, 10 national medium-term genebanks, 43 national field repositories and two *in vitro* genebanks for potato and sweet potato, respectively. Around 60,649 accessions are in field repositories and 14 species, 2,091 accessions of potato cultures and 16 species, 1,198 accessions of sweet potato cultures are in *in vitro* genebanks. The National Crop Genebank of China is the long-term and mid-term preservation center and advanced research center on conservation technologies for crop genetic resources in China. It includes one long-term genebank and one medium-term genebank. It holds crop seeds of 898 species, 404,690 accessions for long-term at -18°C and 212,692 accessions for mid-term at -4°C, respectively. There are 38 species, 353 accessions of cultures in *in vitro* at 10-20°C and 15 species, 140 accessions of pollen, shoot tips and dormant buds or segments cryopreserved at -196°C in liquid nitrogen for vegetatively propagated crops.

## Biography

Xiaoling Chen has completed her MA from Graduate School of Chinese Academy of Agricultural Sciences. She is Professor of Institute of Crop Science, Chinese Academy of Agricultural Sciences and is in charge of crop germplasm resources *in vitro* conservation and cryopreservation research work in China National Crop Genebank. She has published more than 26 papers in reputed journals and has got 5 patents. She has been a member of the Society for Cryobiology

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