

A Review on the Effectiveness of Cryopreservation as a Germplasm Management

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Abstract: *Germplasm management is one of the best methods of conserving wildlife species for future use and to protect extinction of wildlife resources such as trees, animals and plants. The use of cryopreservation has been noted as one of the best options because all resources kept under this method can be used after many years without any problem. Many countries have opted this method compared to keeping of live plant and animals. The only major challenge faced in the use cryopreservation is the effect of climatic changes and mutations which may take place and affect the resources. Some Germplasm resources such as seeds have life span and after that time they may fail to germinate or fail germinate but fail to suit to the climatic conditions due to climate change which causes mutation from live genetic resources. There is need to come up with a viable option of way of making cryo preserved resources suit the climatic conditions after climate change.*

Keywords: Effectiveness, Cryopreservation, Germplasm, Genetic Resources.

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