

Plant tissue culture is defined as physical and chemical condition in vitro, it is an important tool in basic and applied studies as well as in commercial application. It is originated from the ideas of the German scientist Haberlandt at the beginning of the 20th century. The early studies led to root culture, embryo culture & callus culture. It was the availability of these techniques that led to application of tissue culture to five broad areas. Namely, cell behavior (including cytology, nutrition metabolism, embryogenesis & morphogenesis), plant modification, improvement, propagation & product formation (mainly secondary metabolism). Tissue culture was first used to on a large scale by the orchid industry in the 1950s. The technique has developed around the concept that a cell is totipotent that has the capacity & ability to develop into new individual.

In 1990's continuous no. of expansion in the application of in-vitro technologies to an increasing of pla species. Cell cultures have remained an important tool in the study of basic area of plant biology ar