

Executive Summary of the Minor Research Project

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Title of the project

Plant Bioinformatics: A study as a tool for biological conservation of some major oil crops in form of electronic database.

Plants based Bioinformatics defined as the area/branch of information technology that deals with all aspects of biological systems and associated scientific and technological information / data including the traditional knowledge systems data mining with the aim of conservation and utilization of database.

It involves information pertaining to conservation, documentation, distribution that combines the tools and techniques of computer science and biology.

The present research work was carried out and screened by sowing and some experiment.

The as electronic database has been conserved.

OBJECTIVES OF THE PROJECT

The objectives are as follows

- Studies were carried out the conservation of some major oil crops through electronic data base.
- Studies were carried out the morphological impression.
- To study were undertaken as biochemical assay and preserved it electronically.
- The study were carried out the various part of plants were preserved as electronic herbarium.

RESEARCH METHODOLOGY:

The India is agriculture based country. A huge number of domestic as well as wild type of flora has been observed here. There is impossible to preserve the all the major / minor crops preserve by herbarium. Then with the help of electronic data base it's possible to preserve the morphological, chemical, anatomical data. The data were consolidated and feeded in computer.

RESEARCH ACHIVEMENTS:

The certain major oil crops including sunflower, *cajanunscajan*, soybean etc. were undertaken. The morphological snaps were shot out of part including root, leaves with veins, branches. The biochemical results also conserved for further research by using various biochemical assay. The anatomical & biochemical data of the plants were also stored for further study. The aim of this preservation of data is to use this data without destruction of plant wealth and it may be roll model for research students. This databases are made for different purposes for organizing the information. Generated database would provide information about the major oil seeds plants.

RESULT

In the present study, the some major oil crops were selected including sunflower, *cajanunscajan*, soybean etc. All the data discussed in text were preserved and it might be useful to research students for further study.

Conclusion

From the foregoing it is concluded that the preservation of data of some major oil crops are much more helpful to further study. This data may easily transfer through e-mailand various related authentic electronic tools.