

Development of Bio-computing Portal, Tools and Algorithms for Biological Data analysis in Agriculture – ICAR-IASRI perspective

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1. Preamble

Agriculture in India is an assemblage of diverse physical, chemical and biological components which when synchronized in a patterned array, results in greater productivity of crops to feed the growing population of the country. Present day agriculture is moving very fast from *green revolution* to *ever-green revolution* which not only benefits the human civilization but also the native natural biotic associates of agriculture, ecology of soil, water and other habitats. Also, there is a need for *smart farming for small farmers*