



recognized in-house R&D centre by Department of Scientific and Industrial Research (DSIR) as well as a recognition under National Certification System for Tissue Culture Raised Plants (NCS-TCP) from DBT.

“The research work on micropropagation involves extensive travel for collection of plant tissues, expensive chemicals and equipment as well as involvement of trained scientists. Protocol development is difficult and time consuming for tissue culture of such recalcitrant species with low success rates. Expenditure for all this is difficult to manage by a small company. We could only do this with the generous funding from DBT, partly as term loan and partly as grant-in-aid” explained Dr Daksha Bhatt, director, technical, Sun Agrigenetics.

### **Way forward**

There is a need to genetically map the unique trees to protect the valuable germplasm. The company has set up a facility for developing molecular marker for identification of such unique trees. The company believes that this technique could also be applied for other high value plants. The company's R&D team has identified some unique high yielding varieties of date palm which are old trees and there is no means of propagating them conventionally, so micropropagation is the only resort. Similarly, it has been able to trace some old trees of red sanders in the forests of central India which have unique wood quality and would be of interest to propagate such clones.

Since India has very large acreage of as much as 23 million hectare of saline land which is non-productive, these projects which are of great relevance seem to be going just in the right direction.

### **Rahul Koul**