

## BIODATA



1. **Name : Dr. A. Shanthi**

2. **Educational Qualification: M.Sc (Botany), Ph.D (Botany)**

3. **Designation: Scientist-E**

4. **Core Specialization: Plant Biotechnology**

5. **Research Interest: Molecular Markers & Conservation biotechnology**

6. **Ongoing projects:**

- All India Coordinated project on Gmelina (AICRP-30). Component-2. Assessment of Clonal trials for Quality Planting Material (*Gmelina arborea*).
- All India Coordinated project on Bamboo(AICRP-2) Component-5.Genetic Resource Characterization, phylogenetic analysis and botanical studies on bamboo.
- Assessment of Genetic variability and development of Gender specific DNA marker studies in *Canarium strictum* Roxb.- an economically important NTFP species (TNFD-13).

7. **Publications:**

- Shanthi,A., Maheswar Hegde, Sivadasan,N and Padmini, S. 2021. Mating System Analysis of *Acacia auriculiformis* in First and Second Generation Orchard Populations. Indian Forester, 147(11) : 1051-1055.
- Shanthi, A., Ramya, P, Sivadasan, N and Padmini. S. 2020. Study of Seed Orchard population in *Acacia auriculiformis* Through Seed Image Analysis Technique. Journal of Tree Sciences. Vol.39(1):1-5.
- A Mayavel, J Soosairaj, A Shanthi and A Nicodemus.2020. Genetic diversity assessment in selected genetic resources of *Gmelinaarborea*Roxb using RAPD markers. International Journal of Chemical Studies 2020; 8(6): 697-704

- A Mayavelli, B Vikashini, S Bhuvanam, **A Shanthi**, R Kamalakannan, K.W. Kim and K.S. Kang.2020. RAPD Polymorphism and Genetic Distance among Phenotypic Variants of *Tamarindus indica*. J. Korean Soc. For. Sci. Vol. 109, No. 4, pp. 1~0 2020.
- Shanthi, A and Rekha R.Warrier. 2018. Role of endogenous hormones in gender determination in *Casuarina equisetifolia*. *Indian Forester*, 144 (1): 30-35.
- Vikashini Balasubramanian, Shanthi Arunachalam and Modhumita Dasgupta. 2018. Identification and expression profiling of genes governing lignin biosynthesis in *Casuarina equisetifolia*. *Gene*: 676, 37-46.
- Arunkumar A. N. Rekha R. Warriar, A. Shanthi, Geeta Joshi. 2018. Allozyme variations to measure genetic diversity in clonal accessions of Indian Sandalwood (*Santalum album*). *International Journal of Forestry and Horticulture*.Volume 4, Issue 1, PP 1-8.
- Shanthi, A., B. Vikashini.,B.S. George and M. G. Dasgupta.2016. Identification of CCR gene in *Casuarina equisetifolia*. In Nicodemus et al., (Editors). *Casuarina improvement for securing rural livelihoods*. Proceedings of fifth International Casuarina Workshop, Chennai.India 3-7 February 2014.IFGTB, Coimbatore.
- Shanthi, A and Gokula Priya. 2015. ISSR Marker analysis of *Acacia auriculiformis* in first generation orchard populations. *International Journal of Science and Research*, 4 (4): 57-59.
- Shanthi, A., Suguna, P., Modhumita Das Gupta, Rekha Warriar and Geetha, M. 2011. Gender identification in *Casuarina equisetifolia*. *Elixir Appl. Botany* 41, 5912-5913.
- Shanthi, A and S.S.R. Bennet.2008. Genetic Analysis and correlation study of fruit characters in Tamarind ( *Tamarindus indica* L.). *Journal of Non-Timber Forest Products* 15(4) 265-270.

#### **8. Consultancies rendered: Nil**

#### **9. Trainings:**

- Attended specialized training on Genetic Engineering.
- Attended training on Scientific Writing.
- Attended basic statistical training on Forestry..
- Attended training course on Environmental Leadership & Life Skills.

**10. Foreign visits:**

- A visit to Vietnam for attending international conference on Acacia working party conducted by IUFRO at Hue, Vietnam during 2014.
- A visit to U.K. for four months hands on training on Isozyme marker study in *Tamarindus indica* at Oxford Forestry Institute, Oxford, U.K during 1997.

11. **Email:** shanthia@icfre.org

12. **Address:** Plant Biotechnology & CytoGenetics Division

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