



## **BIODATA**

<b>Name of Scientist:</b>	Rekha R Warriar
<b>Date of Birth:</b>	04-08-1974
<b>Institute:</b>	Institute of Forest Genetics and Tree Breeding, Coimbatore
<b>Contact Number:</b>	9442918647
<b>Date of Joining ICFRE:</b>	11.01.1999
<b>Present Post/ Pay Level:</b>	Scientist E / Rs. 1,34,500/-
<b>Date of continuous appointment to the present post/ grade:</b>	1.1.2014
<b>Discipline/ Specialization:</b>	Biochemistry and Physiology
<b>Educational qualification:</b>	BSc Biochemistry / BSc. Food Science and Nutrition MSc Biochemistry M. Phil Biochemistry PhD. Biochemistry
<b>Important Research findings:</b>	<ol style="list-style-type: none"><li>1. Working towards improvement of <i>Melia dubia</i>.</li><li>2. Develop tissue culture protocols for timber and medicinal trees.</li><li>3. Hairy root culture for <i>in vitro</i> production of secondary metabolites.</li><li>4. Developed simplified protocols for biochemical assays and molecular marker studies in tree species.</li><li>5. Stress physiology and its associated growth, physiological and biochemical changes in trees.</li><li>6. Tree physiology and biochemistry with respect to simulated climate change conditions.</li></ol>
<b>Research Papers/Awards/Publications:</b>	<ol style="list-style-type: none"><li>1. C. Buvaneshwaran, E. Edwin Raj, S. Lalitha, Rekha R. Warriar and R.S.C. Jayaraj. 2018. Response of <i>Casuarina equisetifolia</i> and <i>Casuarina junghuhniana</i> to Elevated CO<sub>2</sub> levels. <i>Indian Forester</i>, 144 (1) : 90-95.</li><li>2. Rekha R. Warriar, R. Anandalakshmi, V. Sivakumar, B. Gurudev Singh. 2017. Seed dormancy and Storage Behavior of <i>Strychnos potatorum</i> – A Fast Depleting Tree resource. <i>J. Tree. Sci.</i>36 (1) : 52-57</li><li>3. Jayaraj, RSC., Lalitha, S., Balu, A. and Warriar, RR. 2017. Variability in clones of <i>Eucalyptus camaldulensis</i> in response to elevated carbon dioxide and temperature. <i>Indian Forester</i></li></ol>

143(7):630-636.

4. Janani S, Priyadharshini P, Jayaraj RSC, Buvaneswaran C, Warriar RR. Growth, physiological and biochemical responses of Meliaceae species - *Azadirachta indica* and *Melia dubia* to elevated CO<sub>2</sub> concentrations. *J App Biol Biotech.* 2016; 4(3): 052-060.
5. Rekha R. Warriar, P Priyadharshini, S Lalitha and RSC Jayaraj. 2016. Elevated CO<sub>2</sub> Influences Physiological Responses and Assimilatory Functions on Clones of *Eucalyptus camaldulensis*. *J Tree Sci.* 35 (1) : 1-12.