

Dr. P. SENGUTTUVEL

Email-id:.....

Phone: 040-24591..... (O) (M)



1. Personal biodata:

- a) **Position/Designation** : **Scientist**
b) **Joining date in ICAR** : **26th June 2008, (DOB: 09/01/1979)**
c) **Discipline and Specialization** : **Plant breeding, Hybrid rice (abiotic stress)**
d) **Training/advance exposure in the area of work:**

S.no	Title of the symposium/ workshop	Duration	Name of the organizing institute
1	Hybrid Rice seed production technology	Nov 3-7, 2008	DRR, Hyderabad
2	Genetic enhancement in field crops for Input use efficiency and tolerance to abiotic stresses	15 th Oc-4 th Nov, 2009 (21 days)	CCSHAU, Hisar, Haryana
3	Data Analysis using Statistical Analysis System (SAS)	5 days	NAARM, Hyderabad

e) Contribution to the scientific advancement :

- Identified parental lines suitable for aerobic and salinity conditions
- Identified suitable restorers (Rf) for aerobic and salinity stress
- Identified key traits involved and screening techniques for salinity tolerance in rice

2. Future Planning of research :

- ❖ Development of parental lines/hybrids for aerobic and salinity/alkalinity
- ❖ Identification of key traits in water limited aerobic rice conditions
- ❖ Development of screening techniques for aerobic, heat stress and salinity stress in rice
- ❖ Identification of molecular markers for key traits in aerobic rice

3. Publications :

Senguttuvel.P., J.R. Kannanbapu and R.Senthil.2006. Phenotypic screening of rice genotypes for blast resistance under artificial and field conditions. Plant archives., 6(1) : 229-232

Senguttuvel.P and J.R.Kannanbapu.2007. Combining ability analysis for yield and yield components in rice Plant archives 20(1) : 59-62

Senguttuvel P, M.Raveendran, C.Vijayalakshmi, K.Thiyagarajan, J.R.KannanBapu and B.C.Viraktamath 2010. Molecular mechanism of salt tolerance for genetic diversity analysed in association with Na⁺/K⁺ ratio through SSR markers in rice (*Oryza sativa* L.). International Journal of Agricultural Sciences. 5(9): 708-719.

P. Revathi, Arun Kumar Singh, R. M. Sundaram, **P. Senguttuvel**, K. B. Kemparaju, A. S. Hariprasad and B. C. Viraktamath 2010. Molecular screening for the presence of wide compatibility gene S5 neutral allele in the parental lines of hybrid rice. Indian J. Genet., 70(4): 373-376

Mangal sain., Hari Prasad A.S., Shaik N.Meera, **Senguttuvel.P**, K.B.Kemparaju and Viraktamath.B.C.2010. Hybrid rice Production technology, Directorate of Rice Research, Hyderabad, p1-238

4. Other relevant activities of Scientist:

- ❖ Actively involved as one of the course coordinators in the successful organization of the training programme (Hybrid rice) at DRR, Hyderabad
- ❖ Actively involved in constitution of national trials (AICRIP), preparation of data sheets for various experiments, compilation of data & analysis and coordination of Annual Rice Group Meetings and monitoring tours.