

**Designation:** Senior Scientist  
**Discipline:** Plant Physiology and Tissue Culture  
**Division:** Plant Physiology and Biochemistry  
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## Research Areas

1. Study of natural vegetation of Talcher coal mine areas.
2. Determination of heavy metal levels in mine spoils and in plants grown on it.
3. Plantation of thousands of tree species has been done on 100 hectares of land at coal mine overburden, South Bolanda, Talcher.
4. Study of heavy metal toxicity on plants through *in vivo* and *in vitro*.
5. Mass Propagation of Tissue Culture Banana.
6. Study of antioxidant profile of ethnomedicinal plants.
7. Studies on antioxidative and antidiabetic properties of *in vitro* culture of medicinal plants.
8. Stress physiology analysis on different crop plants.

## Brief account of Research & Publication

	At RPRC	National	Overseas	Total
Research Experience:	32 years	-	-	32 years
Research Project:	11	1	-	12
Research Publication:	36	-	-	36
Research Article:	-	1	-	-
Book Chapter:	1	1	-	2
M.Sc. and B.Tech Thesis:	36	-	-	36
Ph.D Thesis awarded	2	-	-	2