

PROFORMA

- 1. Name** : Dr. PADAN KUMAR JENA
- 2. Designation** : LECTURER (S.S) IN BOTANY
- 3. Date of Birth** : 10-02-1960

4. Educational Qualifications :

Sl. No.	Qualifications	Year of Passing	Subjects (PG onwards)	Division	Name of the University
1	BA/ <u>B.Sc.</u> /B.Com.	1979		1 ST	UTKAL
2	MA/ <u>M.Sc.</u> /M.Com	1981	BOTANY Microbiology (Sp. Paper)	1 ST A +	UTKAL
3	M.Phil	1983	Microbiology	1 st	Utkal
4	Ph.D	1989	Soil Microbiology		Utkal
5	D.Lit.				

5. List of Publications

A. Papers Published in National & International Journals

Sl. No	Title	Name of the Journals with Full Address	Number	Volume	Month & Year of Publication	Page No From - To	National/ International
1.	Influence of carbaryl nitrogenase activity and carbination of butachlor and carbonyl on nitrogen fixing microorganisms in paddy soils.	Pesticide Science. UK		19	1987	179-184	Inter.
2.	Effect of amonium nitrate on acetylene Reduction <i>Azospirillum</i> sp. Isolated rice roots.	Microbes, UK		47	1986	113-116	Inter
3.	Nitrogen fixatation as influenced by pesticides and rice straw in paddy soils.	J. Agric. Sc. Camb		108	1987	635-638	Inter
4.	Nitrogen fixatation insecticide carbofuran	J. Appl. Bacteriol UK		63	1987	355-360	Inter.
5.	Inoculation ofproblems and perspective	Biol. Fertil. Soil , German		4	1987	21-26	Inter
6.	Nitrogen fixatation in	Microbes,		54	1989	157-163	

7.	Azospirillum Sp. Isolated from saline paddy soils. Influence of salinity , rice straw water regime on nitrogen fixation in paddy soil.	J. Agric Sci		111	1988	121-126	Inter
8.	Influence ofrice production	Oxford & IBH Pub.			1989		
9.	Bacterial nitrogen..... with rice soils	Proc. Int. Symp on BNF associated with rice production. Oxford & IBH Pub.			1989		
10.	Nitrogen fixingin different rice soils.	Zentrable . Microbiol		145	1990	457-460	
11.	Effect of pesticide..... with rice soils.	Rev. Ecol. Biol. Sol.	1	27	1990	3-12	
12.	Heterotrophic N ₂ in rice soils.	Plant Science Research					
13.	Heterotrophic N ₂ Of costal Orissa.	Proc. IBS			1998		
14.	Nitrogen fixatation..... Of costal Orissa. (Abstract)	Procding of national Seminar Emerging trends in plant Sciences- Morphology - Biotechnology			2006		

B. Number of Books Published

Sl. No	Title	Year of Publication	Name & Address of Publisher	Text Book/ Reference Book
1.	Modern abc of + 2 Botany	2003	Modern publishers , New Delhi	Text Book
2.	Modern abc of + 2 Practical Botany	2003	Modern publishers , New Delhi	Text book
3.	Glossary of Biotechnology	2004	Orissa Bureau of text book Prduction and preparation, Bhubaneswar	Reference

6. National /International Seminar/Conference/Symposium/Workshop Attended

Sl. No	Year	Type Seminar/ Workshop/ Conference/	Name of the Conference/ Seminar/Workshop/ Symposium	Sponsoring Agency With Address	Place	Title of the paper presented/ Subject of the Seminar
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		Symposium				
1	1989	International	International seminar on Biological nitrogen fixation	ICAR, New Delhi	CRRI, Cuttack	Nitrogen fixation as influenced by <i>Sesbania</i> spp. association with rice .
2.	2004	Workshop	Biodiversity for generating wealth with biotechnological intervention	ILS, BBSR	BBSR	
3.	2002	Workshop	Animal Tissue Culture	NCCS, Pune	Pune	
4.	2006	National	Emerging trends in plant sciences-Morphology to Biotechnology	Ravenshaw College, Cuttack	Cuttack	Nitrogen fixation as influenced by soil salinity

7. Research Project Completed

Sl. No	Title	Sponsoring Agency with Address	Duration From – To	Amount of Grant

8. Ongoing Research Projects:

Sl. No	Title	Sponsoring Agency with Address	Date from which undertaken	Amount of Grant

9. Whether awarded Ph.D/D.Lit : Yes

Sl. No	Title of the Thesis	Name and Address of the guide	Year of Award
	Nitrogen fixation by free living microorganisms associated with rice soils	Dr. V.R. Rao, Principal Scientist, CRRI, Cuttack	1989

10. Research Guidance :

A. D.Lit

Sl. No.	Name of the Scholars	Regd. No. & Date	Title	Year of Award

B. Ph.D.

Sl. No.	Name of the Scholars	Regd. No. & Date	Title	Year of Award
1.	Mrs. Minati Kar		Studies on pathogenic fungi of some economic plants of	continuing

C. M.Phil

Sl. No.	Name of the Scholars	Regd. No. & Date	Title	Year of Award
1.	Miss Sujata Das		Herbicides and bacterial N ₂ -fixation in a rice soil.	1991
2.	Miss Sujata Rani Mishra		Heterotrophic N ₂ -fixation as influenced by herbicides in rice soil.	1992
3.	Miss Bidyut prava Das		A study on the root base and root tip nitrogenase activity in different varieties of Rice.	1993
4.			Impact of industrial effluents on heterotrophic N ₂ fixation in rice soil-A case study.	1995
5.	Miss Salite rani Mishra		Impact of industrial effluent on soil microflora –a case study	1995
6.	Miss Afshan Naseem		Effect of fungicides on Phylloplane mycoflora of <i>Ocimum sanctum</i> Linn. And <i>Rosa indica</i> Linn.	1996
7.	Miss Nilima Pradhan		Influence of salinity on nitrogen fixation in Rice soil of Coastal Orissa	1997
8.	Miss Sanjeeta Mishra		Nitrogen fixation as influenced by industrial effluents in rice soil-A case study.	1997
9.	Miss mamata Subudhi		Study of Phylloplane Mycoflora of some ornamental plants.	1998
10.	Miss Bandita Singh		Influence of copper on physiological behaviour of seed ling of two mung (<i>Phaseolus aureus</i>) varieties.	1998
11.			Nitrogen fixation as influenced by soil salinity and agrochemicals practices in saline rice growing soils of costal Orissa.	2000
12.	Miss Suchree Behera		Nitrogen fixation as influenced by heterotrophic microorganisms in a saline soil of costal Orissa.	2001
13.	Miss Samapika Sangram Singh		Phylloplane mycoflora as influenced by fungicides in <i>Lycopericum esculantum</i> Linn. And <i>Solanum melogena</i> Linn.	
14.	Miss Sarita Sahu		Effect of factory effluent on nitrogen fixing microflora of rice field.	2004

Signature