NAYAGARH AUTONOMOUS COLLEGE, NAYAGARH

TEACHERS PROFILE

1	Name	DR.PRASANNA KUMAR SWAIN	
2	Designation	Lecturer	
3	Department	BOTANY	
4	Phone No	7873059381	
5	E-Mail	prasannaswain19@gmail.com	
6	Highest Qualification		
	I. Name of Degree	Ph.D	
	II. Institute	Berhampur University	
	III. Discipline	Botany	
	IV. Year	2009	
7	Specialization/Research Area	Microbiology&Microbial Biotechnology	
8	Research Experience	12 Years	
	Teaching Experience	07Years	
9	Subject Teaching	Botany,Micobiology	
10	Honors &Award/Research	Johann Heinrich Lambert Research International Award -2015 in Biotechnology	
11	Refresher/Orientation Course/Short term Courses	1. UGC Sponsered 35th Orientation Programme at HRDC Center,Sambalpur University,31st Jan2018-27th Feb 2018	
12	Seminar/Conference/Workshop/ Symposia	1.International - 06 2.National - 22	
13	Research Paper Published	15 (9 International+6National) [Annex-I]	
14	Books/Chapter Published	2 Chapter in 2 Books [Annex-II]	

15	Consultancy/Project/Visiting Faculty	1. As Research Associates in DST,Govt of India AICProject(3Years) 2. As Research Associates in CES,Govt of Odisha Project (25th Months)
16	Research Guidance	Nil
17	Extra Responsibility	Nil
18	Any Other	1-Life Member-Indian Science Congress Association
19	Brief Profile	Dr Prasanna Kumar Swain has passed MSc in Botany with specialization in Microbiology and Biotechnology in Berhampur University.Completed M.Phil in Botany on "Ecophysiological study of *Grateloupia filicina* in Chilika lake" in 2007 and Ph.D in Botany on "Occurrence, seasonal productivity, growth dynamics, multiplication and conservation strategies of seaweed flora near Kalijai area of Chilika lake under field and laboratory cultivation" in 2009 under the guidance of Prof (Mrs) Sailabala Padhi . He has worked as Research Associate in DST,Govt. Of India Sponsored All india Co-ordinated Project "Development and demonstration of appropriate strategies for marine algae cultivation and processing for livelihood generation in coastal areas of Orissa state" at Berhampur University(During 4-12-2008 to -12 2011). In addition he has worked as Research Associate in two Odisha State Govt Projects under MOEF on "Climate change with algal production and Algal biomass production integrated with phycoremediation" at Center For Environmental Studies,Bhubaneswar.

Annex-I

Publication:-

1. Swain PK, Panda MK & Padhi SB (2014) Enhanced Biomass Production of Cyanobacterium ,A local isolate from NALCO captive power plant area ,Angul in heterotrophic conditions.***International Journal of Applied Biotechnology &Biochemistry (IJABB)***.,4-2(97-106).

2. Swain PK, Panda MK & Padhi SB (2014)Biomass production of two blue-green algae using J.K paper mill effluents, Rayagada as nutrient in culture medium .International ***Journal of Biology ,Pharmacy &Allied Sciences(IJBPAS).***3-10(2229-2239).

3. Padhi SB, **Swain PK**, Panda MK, Behera GS, Mohanta R & Panigrahi BN (2014)Efficient CO_2 Sequestration by microalgae using Photobioreactor ***International Journal of Biotechnology &Bioengineering Research***.,5-1-(1-14).

4. Padhi SB, **Swain PK**, Behera GS, Panda MK & Mohanta R (2014) Cultivation of *Kappaphycus alvarezii* (Doty) Doty ex. P. Silva in the coastal area of Ganjam district (Odisha)., ***International Journal of Fisheries&Aquaculture Sciences***.4-1(15-21)

5. Padhi SB, **Swain PK**, Behera GS, Mohanta R & Panda MK (2014) Tissue culture of *Kappaphycus alvarezii* (Doty) Doty ex. P. Silva for improved callus development &plantlet regeneration., ***International Journal of Applied Biotechnology &Biochemistry***.4-1-(71-76).

6. Padhi SB, **Swain PK**, Behera GS, Mohanta R & Panda MK (2014) Biomass and carrageenan content of *Kappaphycus alvarezii* in different environmental conditions. ***International Journal of Biotechnology &Bioengineering Research.***5-1-(45-52).

7. **Swain PK** & Padhi SB (2011) Utilization of seaweed as fishfeed in aquaculture.***Biohelica Journal of Biological Sciences*** Vol.2(1&2):35-46

8. Padhi SB, **Swain PK,** Behura SK, Vaidya S, Behera SK, Panigrahi MR (2011).Cultivation of *Gracilaria verrucosa* (Huds) Papenfuss in Chilika Lake for livelihood generation in coastal areas of Orissa state. ***J.Appl.Phycol***.23-1(151-155).

9. Padhi SB, Behura S, Behera S, Behera GS, **Swain PK**., Panigrahi M, Panigrahi H, Mishra A, Beja S, Baidya S, Pradhan S (2010)Effect of cultural conditions on Biomass and Nitrate Reductase activity in six strains of *Anabaena* isolated from paddy field soils of Ganjam (Orissa) ***. International Journal of Microbiology Research*** . 2-2-(17-19).

10. Padhi SB, Behera G, Behura S, **Swain P,** Behera S, Panigrahi H, Panigrahi M, Beja S, Mishra A, Das N, Baidya S, Pradhan S and Das P (2010) Utilization of nitrate and ammonium by algal biomass available in prawn cultivation sites in Chilika Lake, Orissa . ***"Journal of Botanical Research"*** 1-1(1-6).

11. Padhi SB, Behera S, **Swain P**, Behura S, Behera G, Panigrahi M, Baidya S, Mishra A, Beja S, Panigrahi H (2010)Computational biology and protein modeling of Cyanobacteria using bioinformatics tools and techniques. ***International Journal of Bioinformatics Research.*** 2-2(88-91).

12. Padhi SB, Dash PK, **Swain PK** and Behera G (2010)Algal flora of the fresh water aquatic systems of Mohuda ,Orissa. ***Indian Hydrobiology***, 12(2):143-148.

13. Padhi SB, Behura SK, **Swain PK,** Behera G and Panigrahi HB (2009)Effect of Chloro-alkali industrial effluent on two filamentus Cyanobacteria:A laboratory bio assay. ***Indian Hydrobiology*** 12(1):48-52.

14. Padhi SB, Behera G, **Swain PK**, Behura SK and Dash PK (2009) Effects of envernomental factors on growth and biochemical composition of *Chetoceros curvisetus* for use in mariculture. ***Indian Hydrobiology*** 12(1):58-64.

15. Padhi SB, **Swain PK**, Behera SK, Nayak L, Panigrahi H and Samantaray SM (2008) Feasibility study for the cultivation of *Kappaphycus alvarezii* (Doty) Doty ex P.Silva in the coastal area of Ganjam district (Orissa)., ***Indian Hydrobiology***, 11(2):297-301.

Annex-II

Books/Chapter Published

1. Swain PK and Padhi SB (2011) The effects of antibiotics on blue green algae in the book **Phycodiversity** Daya Publishing House,NewDelhi, p(200-209).ISBN-81-7035-678-4.

2. Padhi SB, **Swain PK**,Behera SK and Behera G (2010) Industrial utilization of algal fatty acids in the book **Algal biotechnology new vistas** Daya Publishing House,NewDelhi, p (194-205). ISBN-8170359430,9788170359432