



PROFILE

D.O.B: 20 JULY 1979

CONTACT

PHONE:

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SKILLS & TECHNIQUES

1. Microbial Techniques
2. Polymerase Chain Reaction
3. Gene cloning and Expression
4. Gene editing through mutagenesis
5. Gas chromatography
6. General Bioinformatics Tools (Primer designing, BLAST, Multiple Alignment, Phylogenetic analysis)
7. Mushroom culture

DURGA PRASAD PANIGRAHI

Assistant Professor (stage-I)

Department of Botany

Government College, Koraput, Odisha

EDUCATION

- ❖ I.I.T. Roorkee, Roorkee
2005 - 2010
Ph.D. Biotechnology
- ❖ Berhampur University, BhanjaBihar
2001-2003
M.Phil in Botany
- ❖ Khallikote college (Autonomous), Berhampur
1999 - 2001
P.G in Botany (specialization Biotechnology)

WORK EXPERIENCE

- ❖ **Government College Koraput Assistant Professor stage- I**
12.01.2024–Continuing
Teaching Undergraduates and Post Graduates in Botany
Research on Molecular Microbiology
- ❖ **Balimela College of Science & Technology, Lecturer (SSB)**
28.10.2016–11.01.2024
Teaching undergraduates Botany Hons,
Research in the field of Molecular Microbiology
- ❖ **Vikram Dev College, Jeypore, Ad-Hoc Lecturer**
20.07.2014–27.10.2016
- ❖ Teaching to Under Graduates, Botany Honors
- ❖ **Eternal University, Himachal Pradesh, Asst. Professor in Biotechnology**
12.08.2011–11.08. 2012

Teaching Undergraduates and Post Graduates in Botany

National level exams

1. CSIR-UGC NET- LS, Life sciences -2003
2. CSIR-UGC NET-JRF, Life Sciences-2004
3. ASRB-NET, Plant Physiology-2004
4. GATE, Life Sciences- 2004

COURSES TAUGHT

5. Post graduate level

- Biochemistry,
- Molecular Biology
- Plant Biotechnology,
- Microbiology,
- Bioinformatics and
- Bioprocess Technology

6. Under-graduate level

- Plant Physiology
- Fungi
- Genetics
- Instrumentation
- Mushroom Culture

PUBLICATIONS IN JOURNALS

1. Panigrahi S. and **Panigrahi D.P. (2025)** Identification of arsB genes in metal tolerant bacterial strains isolated from red mud pond of Utkal Alumina Odisha, India. 24 (1)
2. Panigrahi S. and **Panigrahi D.P. (2023)** Characterization of a pigmented *Brevundimonas* sp. isolated from red mud pond samples of a bauxite mine. *J. Environ. Biol.*, 44:359-366. **0.72**.
3. Panigrahi S. and **Panigrahi D. P. (2023)** Characterization of a yellow pigmented alkali and heavy metal tolerant *Glutamicibacter* sp. isolated from red mud. *Eco. Evn. & Cons.* 29 (1) 120-128. **(0.22)**
4. **Panigrahi, D. P.** and Randhawa, G. S. **(2010)** A novel method to alleviate arsenic toxicity in alfalfa plants using a deletion mutant strain of *Sinorhizobium meliloti*. *Plant and Soil.* 336: 459–467. **ISSN: 0032-079X (Print) 1573-5036 (Online) 3.054**
5. Randhawa, G.S. **Panigrahi, D.P.** and Nagesh, K.A. **(2011)** Understanding life: By Making and Breaking it. *Indian Journal of Microbiology.* 50:247-248. **2.90**
6. Shailu Dalal, **D.P. Panigrahi**, G.S. Randhawa and R.C. Dubey. **(2012)** Molecular characterisation of high-strength polycyclic aromatic hydrocarbon (PAH)-degrading and phenol-tolerant bacteria obtained from thermal power plant wastewater. *Chemistry and Ecology.* 28 (2):187-192. **1.4**
7. Dalal, S., Panigrahi, **D.P. Randhawa**, G.S. Dubey, R.C. **(2012)** catA Gene in a Potential *Corynebacterium* Strain is Responsible for its Efficiency in Phenol Bioremoval. *Polycyclic Aromatic Compounds*, 32(4), pp. 423-438(16) **1.56**
8. **Panigrahi, D.P.**, Sagar, A., Dalal, S. and Randhawa, G.S. **(2013)** Effect of arsenic on symbiotic efficiencies of alfalfa and cowpea isolates. *European Journal of Experimental Biology* 3(5):322-333.
9. Panigrahi S. and **Panigrahi D. P.(2023)** Characterization of a yellow pigmented, alkali and heavy metal tolerant *Glutamicibacter* sp. isolated from red mud. *Ecology Environment & Conservation* 29 (1): 91-99. **0.22**
10. Panigrahi S. and **Panigrahi D. P.(2023)** Characterization of a pigmented *Brevundimonas* sp. isolated from red mud pond samples of a bauxite mine. *Journal of Environmental Biology*, Vol:44: 359-366. **0.7**

PUBLICATIONS IN BOOK CHAPTERS

1. Randhawa, G.S. and Panigrahi, D.P. Milestones in Gene and Genome Research. In: Sharma, V. and Tripathi, B. N. (eds.) 2011. *Molecular Biology and Biotechnology: Selected Contributions of International Conference - 2008.* p. 244, ISBN-NR. - 978-3-8433-6029-6, LAP Lambert Academic Publishing, Saarbrücken, Germany. pp. 194-210.
2. G. S. Randhawa, Durga Prasad Panigrahi & Swati Verma, Recombinant DNA Technology: A Tool to Change Life on Earth, In Khurana S M Paul and Singh M (eds) 2015. *Biotechnology: Progress and Prospects*; 2015. Pp 142-161, STUDIUM PRESS LLC ISBN: 1-62699-057, STUDIUM PRESS LLC, Houston, USA.

PUBLICATIONS IN CONFERENCES

REFERENCES

1. **Prof. G. S. Randhawa (Ph.D. Supervisor)**
Professor, Department of Biotechnology
Indian Institute of Technology Roorkee
Roorkee, Uttarakhand, India
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 2. **Prof. H.S.Dhaliwal**
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 3. **Dr. Sujata Mohapatro (M.Phil Supervisor)**
Head,
Department of Botany and Biotechnology
Khalikote college, Berhampur-760001, Odisha
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 4. **Prof. Dr. Mihir Kumar Das**
Reader in Botany
Academic Consultant
Odisha State Higher Education Council
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1. **Panigrahi, D.P.** and Panigrahi S **(2021)** Molecular characterization of heavy metal resistant bacteria isolated from red mud ponds, 2nd Odisha Research Conclave-2021. November 14-16 held at Ravenshaw University, Cuttack, Odisha, India
 2. **Panigrahi, D.P.** and Panigrahi S **(2022)** Characterization of alkali resistant bacterial strains: emphasis on pigment production and heavy metal resistance, 1st Odisha Research Conclave-2021. November 13-14 held at Utkal University, Vanivihar Bhubaneswar, Odisha, India
 3. **Panigrahi, D.P.** and Sarkar, R. **(2023)** Alcohol Production by a yeast strain isolated from local Mahua flowers, 3rd Odisha Research Conclave-2023. November 14-12, Sambalpur University, Vanivihar Bhubaneswar, Odisha, India
 4. **Panigrahi, D.P.**, Choudhury, B. and Randhawa, G.S **(2009)** Symbiotic efficiencies of two rhizobial strains under arsenic stress. 5th World Congress on Cell and Molecular Biology, November 2- 6, held at Devi Ahilya University Indore, India
 5. **Panigrahi, D.P.** and Randhawa, G.S. **(2009)** Symbiotic abilities of some native rhizobial strains under arsenic stress International Conference on Recent Developments Future Prospects and Entrepreneurial Trends In Biotechnology, December 19-21, held at I.E.T, Alwar, Rajasthan, India
 6. Anubha, S., **Panigrahi, D.P.** and Randhawa, G.S. **(2008)** Toxic effect of arsenic on Rhizobium- legume symbiosis. International Conference on Molecular Biology and Biotechnology, October 19-21, Banasthali, Rajasthan, India.
 7. Dalal, S., **Panigrahi, D. P.**, Dubey, R. C. & Randhawa. G. S. **(2008)** Bioremediation of phenol from industrial effluent by *Corynebacterium efficiens* and use of the treated effluent as a fertilizer. International Conference on Molecular Biology and Biotechnology, Banasthali, India, October 19-21.
 8. Randhawa, G. S. & **Panigrahi, D. P.** **(2008)** Milestones in gene research: Development of tools and techniques in genetic engineering. National Seminar on Trends in Modern Biosciences, Hans Raj Mahila Maha Vidyalaya, Jalandhar, India, September 29-30.
 9. Singh, N.K., Reshi, S.A., **Panigrahi, D.P.**, Agrawal M. & Randhawa, G.S. **(2006)**. Symbiotic characterization of arginine auxotrophs of Rhizobia (*Sinorhizobium meliloti*, *Rhizobium leguminosarum* bv. *trifolii* & *R. leguminosarum* bv. *viciae*) by Tn5- mutagenesis. National Conference on Frontiers in Biofertilizers and Biopesticides, Osmanabad, India; February 19-21.

I hereby declare that all information, furnished above is true and correct to the best of my knowledge and belief. If anything is found false at any stage, my candidature may be cancelled.

Date:

Place: Koraput

Signature