



SANJANA SINGH

MSc, MPhil

Assistant Professor

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Date of Birth : 11th June, 1988

Area : Bioinformatics, Computational Biology, Plant
Biotechnology

Academic Qualifications

COURSE	UNIVERSITY/BOARD	PASSING YEAR	MARKS SECURED (%)	MODE
10th	BSE, Odisha	2003	84%	REGULAR
+2 (Science)	CHSE, Odisha	2005	51%	
BSc (Botany)	NOU, Odisha	2008	79%	
MSc (Bioinformatics)	OUAT, Odisha	2010	73%	
MPhil (Life Science)	Ravenshaw University	2014	58%	
B.Ed (Science)	Acharya Nagarjuna University ,AP	2020	77%	
Pre-Phd Course Work (Biotechnology)	Utkal University	2024 (Continuing)		

Work Experience

- Assistant Professor, Dept. of Biotechnology, Trident School of Biotech Sciences, Bhubaneswar (August-2017 to Present)
- Guest Faculty, Trident School of Biotech Sciences, Bhubaneswar (March-2017 to June-2017)
- PGT Biology , Kendriya Vidyalaya, Keonjhar, Odisha (Apr 2012 - Feb 2013)
- Biology Teacher , Lycium Coaching Centre, Keonjhar, Odisha (Sep 2010 - Mar 2011)

Achievements

2014 Gate Life Science Qualified.

2022 OSSTET (CBZ) Qualified.

FDPs/Refresher Courses/Certification Programmes

1. NPTEL Swayam, Govt. of India Online Certification for the course “Computational Genomics” with 86% score, Jan – Apr 2024 Session.
2. NPTEL Swayam, Govt. of India Online Certification for the course “Bioinformatics: Algorithms and Applications with 58% score, Jan – Apr 2023 Session.
3. Certificate of completion in the “Homology Modelling Workshop” Organized by Centre for Advanced Training and Research, Lucknow, U.P, India, 27th-30th April 2024.
4. Successfully completed 5 days Online FDP on UHV-1 Conducted by AICTE, 13th-17th May 2024.

Publication

1. Manisha Mohapatra and **Sanjana Singh**, 2024, Bioplastic: Unravelling the Sustainable Approach for Petroleum Plastic, In: Harnessing Microbial Potential for Multifarious Applications, Springer Nature Singapore Pvt Ltd, pp 205-233 ISBN: 978-981-97-1151-2, eBook ISBN: 978-981-97- 1152-9

Abstracts

- **Sanjana Singh.**, Sanjeet Kumar and Nihar Ranjan Singh., 2014. ***Bauhinia Vahlii***: an important economic climber of district Keonjhar, Odisha. **Indian Science Congress Association Bhubaneswar.**
- **Sanjana Singh** and Shashikanta Behera., 2014. Does epigenetic variation occurs in Horsegram (*Macrotyloma uniflorum*) due to environmental perturbation. ***Plant Science Research***, The Orissa Botanical society; Abstract Vol-38: 26-27.
- Shashikanta Behera., Balram Gauda and **Sanjana Singh.**, 2014. Improvement of oil content in karanja through biotechnology. ***Plant Science Research***, The Orissa Botanical society; **Abstract Vol-38: 26-28.**

Conference and Workshops Attended

- International Conference On Neurosciences Theme: “**Brain Plasticity & Neurological Disorders**” held on 9th-11th Nov. at Department Of Zoology, Ravenshaw University, Cuttack-3, Odisha, India (2013)

Sanjana.kjr@gmail.com

- Regional Science Congress and National Seminar On **“Innovations in Science & Technology for Inclusive Development”** held on 27th-28th Jan. at KIIT University. Organized by Indian Science Congress Association Bhubaneswar Chapter, Bhubaneswar-15, Odisha, India.(2014)
- 38th Annual Conference And National Conference on **“Conservation Utilization Of Aromatic And Medicinal Plants Through Biotechnological Approaches”** held on 23rd-24th Feb. at U.N. (Auto) College of Science and Technology Prachi Jnanapitha, Adaspur, Cuttack, Odisha, India.(2014)

Key Skills & Competencies

- Experience of working in culturally diverse setting.
- Knowledge of the latest instructional technology.
- Computer literate and proficient in the use of Microsoft Office software.
- Highly organized and able to meet deadlines.

Working Skills

- Responsible for creating engaging lessons plans based on approved curriculum.
- Planning and implementing lab-based science lessons based on the syllabus.
- Using the latest technology in classes.
- Engaging students in active learning.
- Ensuring that all lessons are planned with clear aims and objectives.
- Working in partnership with other teaching staff on a daily basis.