

MDP, OHEPEE
Supported, 10-days
Virtual Workshop

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20-29th Nov, 2021



Organised by

Department of Biotechnology

Maharaja Sriram Chandra Bhanja Deo University

Baripada, Mayurbhanj, 787003

Contact: hodbtmscbu@gmail.com; Visit Website: www.nou.nic.in

“PHYLOGENY, HOMOLOGY MODELING & MOLECULAR DOCKING”

Resource persons



Prof. K K Basa
Hon'ble Vice Chancellor,
MSCBDU-Patron



Prof. A K Biswal
Chairman, PG Council,
MSCBDU



Prof. H N Thatoi
Head, Department of
Biotechnology, MSCBDU



Dr. B Rath
Reader



Dr. S K Nayak
Reader



Dr. S K Sahu
Asst. Professor



Dr. G Dhangadamajhi
Asst. Professor

(Faculties: Department of Biotechnology, MSCBDU)



Dr. Sujata Dash
Reader,
Dept. of Comp. Application,
MSCBDU



Dr. S K Pradhan
Asst. Professor, HOD,
Dept. of Bioinformatics,
OUAT



Prof. H N Thatoi
Head,
Dept. of Biotechnology
MSCBDU



Dr. S. N. Rath
Asst. Professor,
Dept. of Bioinformatics,
OUAT



Dr. B P Barik
Asst. Professor,
Dept. of Zoology,
KUU, Berhampur



Dr. P K Dasmohapatra
Associate Professor,
Dept. of Microbiology,
Raiganj University, W.B.



Dr. Soumya Lipsa Rath
Asst. Professor,
Dept. of Biotechnology,
NIT Warangal



Dr. Amrita Banerjee
Asst. Professor,
Dept. of Biotechnology,
OIST, Midinapur

10-Days Workshop (IDP, OHEPEE supported) on
Basic Phylogeny, Homology Modeling & Molecular Docking

Organised by

Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Mayurbhanj, Odisha-757003, India

(20th – 29th November, 2021)

Program Schedule

Date	Time	Theme	Resource Person	Link
20-Nov (Sat)	4.00-5.30 pm	<i>Lecture: Introduction to Bioinformatics</i>	Prof (Dr.) H.N. Thatoi	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	Application of advance Bioinformatics tools and techniques in Life Science research	Dr. Sukanta Kumar Pradhan	
21-Nov (Sun)	4.00-5.30 pm	<i>Lecture: Computational Protein dynamics analysis using advanced tools & techniques</i>	Dr. Surya Narayan Rath	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	<i>Lecture: Computational methods used in prediction of Protein structure</i>	Dr. Sujata Dash	
22-Nov (Mon)	4.00-5.30 pm	<i>Lecture: Understanding Enzyme Substrate interactions and Molecular Docking</i>	Dr. Amrita Banerjee	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	<i>Practical: Structure prediction of Protein</i>	Miss. Subhashree Rath	
23-Nov (Tue)	4.00-5.30 pm	<i>Practical: Preparation of pdbqt file for Protein and Ligand</i>	Mr. Manish Paul Miss. Monalisa Mahuri	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	<i>Practical: Grid box preparation and Docking</i>	Mr. Manish Paul Miss. Subhashree Rath	
24-Nov (Wed)	4.00-5.30 pm	Analysis of Docking results	Mr. Manish Paul Mr. Sandesh Behera	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	<i>Practical: Binding energy calculation of Protein-ligand complex</i>	Miss. Subhashree Rath Mr. Manish Paul	
25-Nov (Thu)	4.00-5.30 pm	<i>Practical: Residue interaction analysis between Protein and Ligand</i>	Mr. Manish Paul	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	Protein-ligand Docking	Mr. Sandesh Behera Miss. Subhashree Rath	
26-Nov (Fri)	4.00-5.30 pm	<i>Lecture: Molecular Phylogenetic concept and importance</i>	Dr. P K Das Mohapatra	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	<i>Lecture: Sequence Alignment and Phylogenetic Tree</i>	Dr. Bibhuti Prasad Barik	
27-Nov (Sat)	4.00-5.30 pm	Computer simulation to understand Protein dynamics	Dr. Soumya Lipsa Rath	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	Structure based drug designing	Prof (Dr.) H.N. Thatoi	
28-Nov (Sun)	4.00-5.30 pm	Molecular docking Hands on	Mr. Manish Paul Mr. Sandesh Behera	https://meet.google.com/zzo-gtzt-xdy
	5.30-7.00 pm	Molecular docking Hands on	Miss. Subhashree Rath	
29-Nov (Mon)	4.00-7.00 pm	Application of Modeling and Docking in project / dissertation work	Prof. H.N. Thatoi Dr. S.K Pradhan	https://meet.google.com/zzo-gtzt-xdy
		Question answer section ,feedback and certificates		