

Workshop on

Drug Discovery using Biovia



Dt: 02-09-2020 to 01-10 2020

No. of participants: 30

Resource Person: Chinmaya Chidananda Behera

Asst. Professor. School of Pharmacy and Life Sciences, CUTM,BBSR

Resource Person Details

Dr. Chinmaya Chidananda Behera Contributed over 11 years of quality teaching in the profession of Pharmacy, engaged at various institutions across India, Published 11 number of quality research publications and two books. Currently working on Drug Discovery through the Computational Technique and Analytical Method Development for Assay and Stability testing of drugs in Bulk as well as pharmaceutical formulations. He is Proficient at UV-Visible, Flame photometry, Turbidimetry, Gel Electrophoresis, High-Performance Column Chromatography, Polarimetry, Potentiometry, pH and Conductance measurement. He is Skilled in IR, NMR, Mass spectroscopy, DSC data interpretation. He is also Skilled in handling molecular databases, proficient at Microsoft office, Coreldraw, Mendeley desktop, Biovia Discovery studio, Schrodinger suite, ACD Chems sketch, Autodock tools, Chimera, Modeler, CLC Drug discovery workbench, VegaZZ, etc. Gained significant knowledge in scientific writing for publication and patenting.

Objective:

To understand

- The Molecular Modeling Process used in Drug Discovery.
- The concept of Structure and Ligand-based Drug Designing.
- The Molecular Docking processes and their use in drug discovery.
- The Drug-likeness properties of various chemical entities.
- The application of Pharmacophore Modeling in drug discovery.
- To identify potential drug candidates through Virtual Screening of biological compounds.

Students will understand the Biovia Tools and their application in drug discovery processes. Identify potential biological molecules from synthetic and natural sources by using Biovia. Recognize and comprehend various disease targets and select an ideal target for drug discovery. Design novel drug candidates for various diseases by using Biovia Discovery Studio. Repurpose the already existing drugs for safe and effective medication for various diseases.

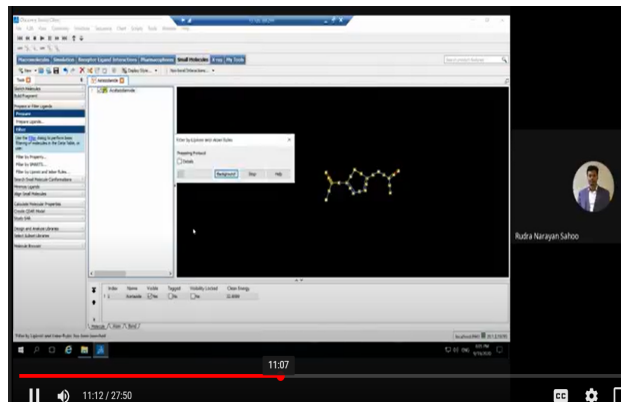
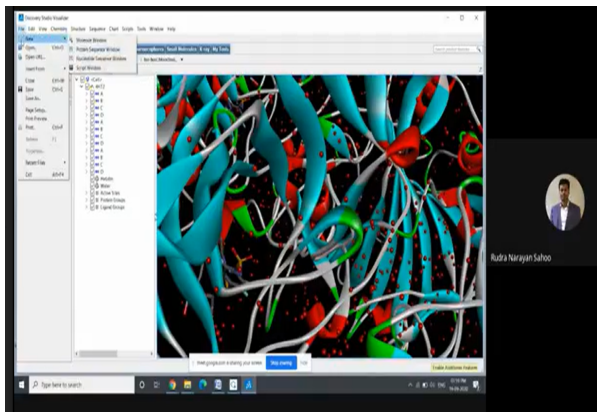


Figure 1: Glimpse of the webinar



WORKSHOP ON Drug Discovery using Biovia

Organised by :
Centurion University of Technology and Management



Resource Person

Chinmaya Chidananda Behera
Asst. Professor. School of Pharmacy and Life
Sciences, CUTM,BBSR

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Figure: Brochure of the webinar

List of participants

1	Dr. Ramchandra Mohanty	Professor
2	Prof. Aruna Kumari Mishra	Professor
3	Dr. G C Nanda	Professor
4	Dr. Ananta Bandhu Das	Professor
5	Dr. Sagarika Parida	Associate Professor
6	Dr. Gyanaranjan Mahalik	Asst. Professor
7	Dr. Rukmini Mishra	Asst. Professor
8	Mr. B. Chakrapani	Asst. Professor
9	Mr. Ajay Kumar Prusty	Asst. Professor
10	Ms. Basubadatta Sahu	Asst. Professor
11	Mr. Chandrasekhar Sahu	Asst. Professor
12	Ms. Kajal Samantara	Asst. Professor
13	Santilata Sahoo	Professor
14	Aruna Kumari Mishra	Professor
15	Anath Bandhu Das	Professor
16	Hemanta Kumar Patra	Professor
17	Dr. Tanuja Biswal	Professor
18	Dr. Narana Chandra Biswal	Professor
19	Dr. Arun Kumar Swain	Professor
20	Dr. Bairagi Chandra Behera	Professor
21	Dr. Maheswara Behera	Professor
22	Dr. Swapna nanda Rath	Professor

23	Dr. G. N. Inndresha	Professor
24	Dr. J. K. Panigrahi	Professor
25	Dr. Pranjalendv Roy	Professor
26	Dr. Feroj Ahmed	Professor
27	Dr. Subanini Pattnaik	Professor
28	Dr. Ajay Kumar Patra	Professor
29	Dr. Yashaswi Nayak	Associate Professor
30	Dr. Siba Prasad Parida	Associate Professor



FDP Coordinator
KVD Prakash



Dr. Prasanta Ku. Mohanty
Dean Academic