

One Week Webinar on
**COMPUTER AIDED DRUG DISCOVERY AGAINST
COVID-19**

From 24th-28th, August 2020

REGISTRATION FORM

Name:

Affiliation:

Qualifications:.....

Address:

City.....State

Country.....Zip/Postal Code.....

Telephone(O/M/R):.....

Fax:.....Email.....

Amount

DD/NEFT/RTGS

No:.....

Date:.....Bank Details.....

Signature of Candidate

Note:NEFT/RTGS should be made in favor of Director, National Institute of Technology Raipur, payable at Raipur (CG), SBI bank,GCET Raipur branch.

For **online Registration** go through the following link:

<https://forms.gle/sgaX1LSVvBfHkjFaA>

Payment should be made to the following

Account No.: 38027633250

Name: Director, NIT Raipur IFSC: SBIN002852

Chief Patron

Dr. A. M. Rawani,
Director, NIT Raipur

Patron

Dr. Shubhrata Gupta,
Dean (Research & Consultancy), NIT Raipur

Coordinators

Dr. Pratima Gupta
Dr. J. Satya Eswari

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Department of Biotechnology
NIT Raipur 492010 Chhattisgarh



One Week Webinar

on

**COMPUTER AIDED DRUG DISCOVERY
AGAINST COVID-19**

From 24th-28th, August 2020



Organized by

DEPARTMENT OF BIOTECHNOLOGY

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR,
492010 (CHHATTISGARH)

About the Institute

National Institute of Technology Raipur is situated in the capital of Chhattisgarh, has proven to be 'avant-grade' in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president Hon'ble Dr. Rajendra Prasad on 14th September 1956. The institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. It is well connected with Mumbai, Delhi and all metro cities by regular flights and is on the main Howrah-Mumbai railway route. The institute is 5 km from the Raipur railways station and 18 km from airport on NH-6, the Great Eastern Road.

About the Department

The Department of Biotechnology is one of the research oriented departments of the institute and offers academic programs leading to award of B.Tech and Ph.D. degrees. It provides research insights to PhD scholars in all frontline areas of Biotechnology including Enzyme technology, Biosensing devices, drug discovery, advanced bioprocessing etc. Presently, the department is running various research projects sponsored by DST and DBT, Government of India.

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Aim of the webinar

The COVID-19 pandemic, caused by the SARS-CoV-2 virus, is most happening virus in the field of science. So there is an urge from researchers in the medicine across the world to find treatment to the earliest possible.

Whole world is waiting for an effective COVID-19 vaccine to be developed using platforms of different well developed and sophisticated pharmaceuticals companies in parallel to the existing approved or experimental drugs for corona virus SARS-CoV. Researchers are utilizing computers to aid in their investigations into a COVID-19 treatment. In the search for a therapeutic to help cure patients or relieve their symptoms as a result of SARS-CoV-2, researchers are turning to computer simulations and artificial intelligence (AI) to identify potential treatments. The field of computer-aided drug design has had extensive impact in the area of drug design. The proposed webinar on Computer-Aided Drug Discovery against COVID 19 aims to highlight all the latest developments in drug design based on computational techniques using simulations, calculations and AI to identify a drug to combat the coronavirus by inhibiting viral infection cycle.

Webinar Tracks/Topics

- Drug Design and Discovery
- Computational Resources on Novel Coronavirus.
- Artificial Intelligence approaches
- In-silico method of drug repurposing to fight COVID-19
- Molecular Diagnostic methods
- Computer-aided drug design challenges and opportunities

Registration Fee Details (in INR)

Participants	Amount (in Rs)
UG Students	Rs 500/-
PG/PhD Students	Rs 700/-
Faculty and IndustryExpert	Rs 700/-

Application in the prescribed format with registration fee in the form of DD/NEFT/RTGS drawn in favor of "Director, NIT Raipur" must reach the coordinator on or before 23rd August, 2020. Candidates have to send scanned copy of the registration form along with scanned of DD/NEFT/RTGS transaction. Selected candidate will be informed by email/phone as per the schedule. Certificates will be issued to the participants only after attending the complete course.

Important Dates

Registration deadline: 23rd August, 2020

Our Expert Speakers

- 1) **Dr G Narahari Sastry**,
Director of CSIR-North East Institute of Science and Technology, Jorhat, Assam
- 2) **Dr. G. P. S. Raghava**,
Professor & Head at Centre for Computational Biology, Indraprastha Institute of Information Technology (IIIT-Delhi)
- 3) **Dr. Parimal Kar**,
Assistant Professor, Discipline of Biosciences and Biomedical Engineering, Indian Institute of Technology Indore.
- 4) **Dr. Sanjay Singh Negi**,
Associate Professor in the Department of Microbiology in All India Institute of Medical Sciences (AIIMS). Raipur. Chhattisgarh.