

Each oral presenter shall be entitled to not more than 10 minutes for a presentation, plus 5 minutes for questions. Oral presentations should use only Power Point. Overhead, slide projectors and video players etc. will not be available or allowed. Poster Presentation: 1x1 sq meter space will be provided for each poster.

WORKSHOP

The workshop on computational (from sequence to drug designing and development) and quantitative biology (application of statistical software for biological sciences) will be held for 30 participants. The selection of participants for the workshop will be based on first come first basis.

REGISTRATION

The dully filled registration form may be sent along with the registration fee by crossed DD or RTGS in favour of "ONGC Centre of Advanced Studies (OCAS)" payable at SBI (A/C Number: 40478014885;IFSC: SBIN0014906), L. U.Branch on or before February 05, 2022 to the Organizing Secretary. The registration fee will cover local hospitality and seminar material.

Designation	Before February, 05, 2022	Ater February 15, 2022
Faculy/Scientist	Rs. 1,500/-	Rs. 2,000/-
Research Student	Rs. 1,000/-	Rs. 1,500/-
Accompanying Person	Rs. 1,000/-	Rs. 1,500/-
Student	Rs. 600/-	Rs. 600/-

ACCOMODATION & TRAVEL

Efforts will be made to accommodate participants on the university campus in Guest Houses (SB Rs.350/-, DB Rs.500/-), Hostels and Dormitories (Rs.250/-) on first cum first basis. Hotel accommodation can also be arranged on request on payment of advance of Rs. 1000/- only (booking charge) along with registration fee by Feb. 05, 2022. Delegates are requested to arrange their TA/DA from their own resources.



**ONGC CENTRE OF ADVANCED STUDIES
LUCKNOW UNIVERSITY, LUCKNOW 226007**

*Computational Biology: An Integrated Approach for Advance Research
Institute for Development of Advance Computing
(February 18-19, 2022)*

Sponsored by:
Government of Uttar Pradesh under Research and Development Program

FORMAT FOR REGISTRATION FORM

(Should reach the Organizing Secretary by e-mail before February 05, 2022)

E-mail: idaconference.lu@gmail.com or directorongc.lu@gmail.com

Name: Designation:
Age: Sex:
Address for correspondence:

Phone/Fax: E-mail:
Presentation: Oral..... Poster.....

Title of Paper:

Author(s):

Accommodation Required: Yes..... No.....

Hostel/Dormitory: Rs. 250/person/day (.....)

Guest House: Rs. 350-500/person/day (.....)

Hotel: Rs. 1500-5000/person/day (.....)

Arrival details: Date and time of Arrival: Train/Flight No:

Departure details: Date and time of Departure: Train/Flight No:

No. of accompanying persons: (M)..... (F).....

Registration/accommodation fee details: Amount: Rs.

DD/Cheque/RTGS No. with date:

(To be drawn in favor of "ONGC Centre of Advanced Studies (OCAS)" payable at SBI (A/C Number: 40478014885;IFSC: SBIN0014906), L. U. Branch, Lucknow)

(Signature of the Participant)

ENQUIRIES:

Contact No.: 9415871277, 8840618990 (Convenor/Organizing Secretary); 9839909739 (Co-Convenor)

E-mail: directorongc.lu@gmail.com, idaconference.lu@gmail.com



NATIONAL SEMINAR CUM WORKSHOP

on

Computational Biology:

An Integrated Approach for Advanced Research

{18 -19 February, 2022}

Sponsored By :

Government of Uttar Pradesh Under Research and Development Program



Organized by :

Institute for Development of Advanced Computing

ONGC Centre of Advanced Studies

Lucknow University, Lucknow



INTRODUCTION & OBJECTIVE OF THE SEMINAR

Computational biology is an interdisciplinary field that develops and applies computational methods to analyze large collections of biological data, such as genetic sequences, cell populations or protein samples, to make new predictions or discover new biology. Computational Biology is Advanced Programming Tools that may include Introduction to Life Sciences, Bio Mathematics & Statistics, Bio-Physics, Computational Genomics, Introduction to Biotechnology, Computational Proteomics & Metaboleomics, Computational Transcriptomics, Computational Molecular Phylogenetics, Computer Aided Drug Design, and Micro Array Image Processing.

Why Computational Biology ?

The seminar cum workshop will provide the interface of molecular biology, computational science, and mathematical science. It will also train the participants to isolate the genes and analyze using various bioinformatical approaches. The seminar cum workshop is considered to be beneficial as it will train students/researchers to put biological problems in mathematical form using the techniques of mathematical modeling. It will teach the participants how to use computational, numerical, and analytical tools to analyze and solve mathematical models, and how to interpret the results in biological terms.

About Lucknow

Lucknow is the capital city of the state of Uttar Pradesh in India. It is the largest and the most developed city in north India after Delhi. Lucknow is popular as a traditional and multicultural city and known as a seat of power of Nawabs. It is also known as the Golden City of India, Shiraz-i-Hind and the Constantinople of the East. Lucknow's society is very famous for its etiquette and traditions that touches upon a rare degree of sophistication. Be it the cultural charm or the monumental one, all are well conserved here to make Lucknow "the city of many splendors".

Distance between Lucknow and New Delhi is 498 km and it takes 5 hours 20 minutes by train, 7 hours by road & 45 minutes by air to reach Lucknow from New Delhi. It is directly connected with New Delhi, Patna, Calcutta, Mumbai, Varanasi, Bangalore, Thiruvananthapuram, and other major cities by rail and air. At present, Air India, Air India Express, Jetlite, Jet Air, GoAir, IndiGo, Saudi Airline, Flydubai, Oman Air and SpiceJet are operating domestic and international flights from and to Lucknow.

ORGANIZING COMMITTEE

Patron	: Prof. Alok Kumar Rai, Vice Chancellor, L.U.
Convenor & Organizing Secretary	: Prof. M. Serajuddin, Director, OCAS, L.U.
Co-Convenor	: Prof. Sudhir Mehrotra, Head, Department of Biochemistry, L.U.
Secretary, Workshop	: Dr. V. P. Pandey, CSIR-Pool Scientist, Department of Biochemistry, L.U.
Assistant Secretary	: Dr. S. Swaroop, Department of Zoology, L.U.
Treasurer	: Prof. Amita Kanaujia, Department of Wildlife Science, L.U.

MEMBERS

Prof. Dhruv Sen Singh, Director, Institute of Hydrocarbon, Energy and Geo-Resources, OCAS, L.U.
Prof. Rajeev Manohar, Director, APJ Abdul Kalam Centre for Innovation, OCAS, L.U.
Prof. Amita Kanaujia, Director, Institute of Wildlife Sciences, OCAS, L.U.
Prof. Monisha Banerjee, Director, Institute of Molecular Genetics and Infectious Diseases, OCAS, L.U.
Prof. A. M. Saxena, Director, Institute of Mass Communication and Journalism, OCAS, L.U.
Dr. N. K. Singh, Coordinator, Institute of Food Processing and Technology, OCAS, L.U.
Prof. Rajeev Pandey, Dean, Research Cell, OCAS, L.U.
Prof. V.K. Sharma, Dean, Admission Cell, OCAS, L.U.
Prof. Madhurima Pradhan, Happy Thinking Laboratory, OCAS, L.U.
Prof. S.B. Zeya, Department of Zoology, A.M.U., Aligarh
Dr. M. K. Saifullah, Department of Zoology, A.M.U., Aligarh
Dr. E. Imam, Department of Wild Life and Ornithology, A.M.U., Aligarh

NATIONAL ADVISORY COMMITTEE

Prof. Saleem Mustafa, Director, Borneo Marine Research Institute, Malaysia
Prof. Alok Dhawan, Director, CBMR, SGPGL, Lucknow
Prof. U. N. Dwivedi, Former Vice Chancellor, Lucknow University, Lucknow
Dr. Vandana Prasad, Director, BSIP, Lucknow
Prof. A.A. Mahdi, Former Vice Chancellor, Era University, Lucknow
Prof. B.N. Pandey, President, ZSI, Bodh Gaya
Prof. Waseem Ahmad, Dean, Life Sciences, A.M.U., Aligarh
Prof. G.K. Kulkarni, Foreign Secretary, ZSI, Aurangabad
Prof. Kamal Jaisawal, Dean and Head Department of Zoology, BBAU, Lucknow
Prof. M. Afzal, Chairman, Department of Zoology, A.M.U., Aligarh
Prof. Mukhtar A. Khan, Department of Zoology, A.M.U., Aligarh
Prof. Qudsia Tahseen, Department of Zoology, A.M.U., Aligarh

SOUVENIR & ABSTRACTS

Prof. M. Serajuddin, OCAS, L.U.
Dr. Masroor Fatima, Zoology, MANUU, Hyderabad
Miss Farah Bano, Department of Zoology, L.U.
Miss Farheen Jameel, Department of Zoology, L.U.

PUBLICITY & EVENT MANAGEMENT

Dr. Saumya Pathak, IFPT, OCAS, L.U.
Dr. Vidyanand Tiwari, IFPT, OCAS, L.U.
Dr. Sarita Singh, IFPT, OCAS, L.U.
Dr. Ankita Srivastava, IFPT, OCAS, L.U.

TRANSPORT

Dr. V.P. Pandey, Department of Biochemistry, L.U.
Mr. Sandeep Saini, IFPT, L.U.

ACCOMMODATION

Dr. S. Swaroop, Department of Zoology, L.U.
Mr. Girish Kumar, Department of Zoology, L.U.

DEAR COLLEAGUES

We extend cordial invitation to you and your colleagues to participate in the National Conference on "Computational Biology: An Integrated Approach for Advance Research" to be held on February 18-19, 2022 at the Institute for Development of Advanced Computing, University of Lucknow, Lucknow.

CALL FOR PAPERS

Research papers are invited for **Oral/Poster** presentation in the following areas:

- **Computational Biology**
- **Biodiversity and Environmental Biology**
- **Functional Biology and Biotechnology**
- **Nutrition and Health Sciences**

Authors are requested to indicate if they wish to participate as observers or presenters of papers (oral/poster). The scientific committee will decide on the suitability of paper for oral or poster presentation. A camera ready abstract in English in A4 size page strictly in prescribed format should be submitted online fees by 5 February 2022, via **E-mail to: idac.lu@gmail.com or directorongc.lu@gmail.com**

Format: An abstract in MS Word, Times New Roman highlighting the results of the work not exceeding 250 words should be in the following format: Title (Capital and Bold with font size 14), Author's Name (Bold with font size 12), Affiliation (Address of the Institution with Mail ID of Corresponding Author). Corresponding author should be indicated with an asteric symbol. Title, author's name and affiliation should be centre aligned. Key words (Italic Bold with font size 10) should be limited to 5 words. Text should be justified (Spacing 1.5, Margin: L 2" , R 1").