



BioInfoTika

BIOINFOTIKA

An initiative under the Dept. of Bioinformatics, BJB Autonomous College

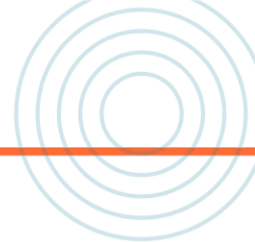
NATIONAL CONFERENCE ON
"Digitalizing Biology with AI"

19th & 20th FEBRUARY 2026

Organized by

Department of Bioinformatics

B.J.B. Autonomous College, Bhubaneswar



About the College

B.J.B. Autonomous College, Bhubaneswar, is one of the premier government institutions of higher education in Odisha. Established in 1957 and named after the eminent freedom fighter Buxi Jagabandhu Bidyadhar Bhramarabara Ray Mahapatra, the college has a long-standing tradition of academic excellence and public service.

Affiliated to Utkal University and granted autonomous status, the institution offers a diverse range of undergraduate and postgraduate programs across science, humanities, and professional disciplines. With NAAC accreditation at the 'A' grade level consecutively in 3rd cycle, the college is recognized for its academic rigor, experienced faculty, and commitment to quality education. Over the decades, B.J.B. Autonomous College has played a significant role in shaping skilled professionals, researchers, and scholars who contribute meaningfully at regional and national levels.

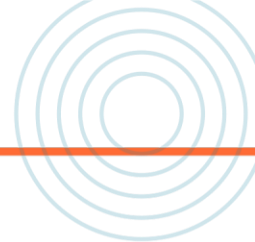
About the Department of Bioinformatics

The Department of Bioinformatics at B.J.B. Autonomous College was established with the vision of integrating biological sciences with computational and analytical approaches. Since its inception, the department has focused on building strong conceptual foundations in life sciences while equipping students with practical skills in data analysis, programming, and biological data interpretation.

The department offers an interdisciplinary academic environment where students are trained to handle biological datasets, understand molecular-level processes, and apply computational tools to real-world biological problems. Through a combination of coursework, hands-on training, seminars, and academic events, the department consistently prepares students for careers in research, healthcare, biotechnology, and data-driven life science industries.

About BIOINFOTIKA (THE NEXT STEP)

BIOINFOTIKA is an academic initiative dynamic website for the Department of Bioinformatics aimed at creating a consistent platform for knowledge exchange, discussion, Alumni registration and academic collaboration in the field of computational biology and related disciplines. Under this initiative, the department will be organizing conferences, seminars, workshops, invited lectures and e-books corner that shall expose students and researchers to current developments, methodologies, and interdisciplinary perspectives in bioinformatics.



About the Conference

The National Conference on "Digitalizing Biology with AI" is organized under the BIOINFOTIKA initiative to explore how computational approaches and artificial intelligence are transforming modern biological research. The rapid generation of biological data across genomics, transcriptomics, proteomics, and biomedical research has made computational analysis an essential component of biological inquiry.

This conference aims to bring together academicians, researchers, and students to discuss the role of artificial intelligence, data-driven methods, and computational tools in understanding biological systems. The event will provide insights into how digital approaches are reshaping biological research, improving data interpretation, and supporting decision-making in healthcare, agriculture, and life science research.

Through invited talks, technical sessions, and workshops the conference intends to encourage scientific dialogue, skill development, and academic networking among participants from diverse backgrounds.


Themes and Areas of Focus

Participants of the conference will gain exposure to discussions and presentations in areas including, but not limited to:

- Computational genomics and proteomics
- Transcriptome analysis and functional interpretation
- Application of AI and ML in biological research
- Computational approaches in drug discovery and development
- Biomedical and health informatics
- Development and application of bioinformatics tools and databases
- Data analysis strategies in life sciences and agriculture

Abstract Submission Guidelines

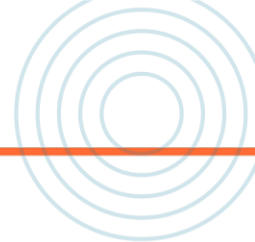
Participants are invited to submit abstracts related to bioinformatics and its applications across biological and biomedical sciences. Submissions may include original research, methodological studies, or application-based analyses relevant to the theme of the conference. Abstracts should represent original work and must not have been previously published or presented at any other conference. The abstract should be written clearly and concisely, highlighting the



objective, methodology, and key findings of the work. Submissions should be prepared in an extended abstract format and should not exceed 1000 words, including figures and tables. All abstracts must be typed in Times New Roman, font size 12, with 1.5-line spacing, and submitted through the prescribed mode within the stipulated deadline.

Poster Presentation Guidelines

Poster presentations should align with the conference themes and focus on bioinformatics-driven approaches in biological research. Posters must be designed to effectively communicate the research objective, methodology, results, and conclusions in a visually clear manner. The poster size should be 4 feet in height and 3 feet in width. Text and figures should be clearly legible from a distance of approximately six feet, with a minimum font size of 24. The title of the poster should be prominently displayed, followed by the names of the author(s) and their institutional affiliations.



Program Schedule

Time	Session
10:00-10:50	Inaugural Session
10:50-11:00	BIOINFOTIKA - THE NEXT STEP
11:00-12:00	Guest Speaker Dr. Umakanta Subuddhi, Scientist, CSIR-IMMT, Bhubaneswar
12:00-1:00 pm	Chief Speaker Prof. Burra VLS Prasad, Professor, Computational Biology KL University, Vijaywada
1:00-2:00 pm	Lunch
2:00-4:30 pm	Hands on talk Dr. Shasanka S. Swain, Director, Salixaris Lab, Bhubaneswar
4:30-5:00 pm	High Tea
5:00-5:30 pm	Cultural Program

Time	Session
10:00-10:45	Inaugural Session
11:00-11:45	Guest Speaker Dr. Anshuman Dixit, Scientist, Institute of Life Sciences, Bhubaneswar
12:00-1:00 pm	Chief Speaker Prof. Bibekananda Mallick, Professor, Life Sciences, NIT, Rourkela
1:00-2:00 pm	Lunch
2:00-4:00 pm	Hands on talk Dr. Pabitra Mohan Behera, Director, Bioprudence Lab
4:00-4:30 pm	Best Poster
4:30-5:00 pm	High Tea
4:30-5:30 pm	Valedictory & Vote of Thanks

Organizing Committees

Chief Patron:

Prof. Jhumki Rath, Principal, B.J.B. Autonomous College

Patron:

Dr. Mousumi Das, Member Secretary, SF Courses

Convener:

Dr. Puspashree Puhan, Co-Ordinator, Department of Bioinformatics

Co-Ordinator:

Shri Sabyasachi Mohanty, Head, Department of Bioinformatics

Organizing Committee:

Shri Rakesh Ranjan Ojha, Asst Prof

Shri Mayank Roy, Asst Prof

Ms. Sushree Sangita Nayak, Asst Prof

Advisory Committee:

Shri Mahesh Patnaik, Director, HVET

Shri Sisir Panigrahi, Director, HVET

Dr. Sukanta Kumar Pradhan, Head, Dept. of Bioinformatics, OUAT

Dr. Bhawani P. Bag, Associate Professor, Sambalpur University

Dr. Sabindra Kumar Samal, Assistant Professor, Dept. of Zoology



Link of the Website
<https://bioinfotika.com/>