



National Conference on Advances in Bioinformatics: Health, Agriculture, Food & Veterinary Sciences (NCAB-HAFVS-2025) on 11th-12th October, 2025 (Hybrid)

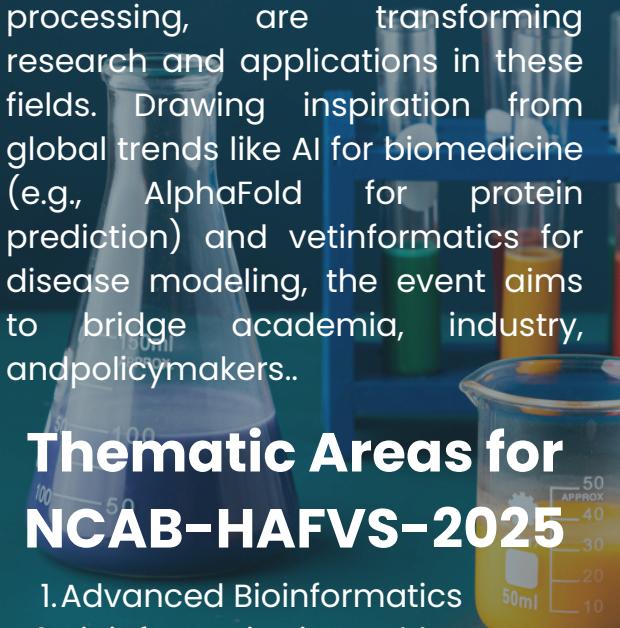
Organized By:
**Society for
Bioinformatics &
Biological Sciences
(SBBS)**
**Applied Research and
Development
Organization (ARDO)**

About Conference

The National Conference on Advances in Bioinformatics: Health, Agriculture, Food & Veterinary Sciences (NCAB-HAFVS) is designed as a premier national platform to explore cutting-edge developments in bioinformatics across interconnected domains. This conference will highlight how bioinformatics tools, including AI-driven analytics, multi-omics integration, and big data processing, are transforming research and applications in these fields. Drawing inspiration from global trends like AI for biomedicine (e.g., AlphaFold for protein prediction) and vetinformatics for disease modeling, the event aims to bridge academia, industry, and policymakers..

Thematic Areas for NCAB-HAFVS-2025

1. Advanced Bioinformatics
2. Bioinformatics in Health
3. Bioinformatics in Agriculture
4. Bioinformatics in Food Science
5. Bioinformatics in Veterinary Science



1. Advanced Bioinformatics

Focus: Core bioinformatics methodologies, computational tools, and foundational research driving advancements across domains (e.g., AI, machine learning, and multi-omics integration).

Key Topics:

- AI-driven tools for structural biology (e.g., AlphaFold for protein structure prediction).
- Big data analytics for genomic and proteomic datasets.
- Computational modeling of biological systems (e.g., molecular dynamics with PySCF).
- Algorithm development for sequence analysis and phylogenetics.

2. Bioinformatics in Health

Focus: Leveraging bioinformatics for precision medicine, disease modeling, and therapeutic development.

Key Topics:

- Multi-omics for personalized medicine (e.g., cancer genomics).
- AI for drug discovery and off-target prediction in genome editing (e.g., CRISPR).
- Computational epidemiology for infectious diseases.
- Integration of genomic and proteomic data for biomarker discovery.

3. Bioinformatics in Agriculture

Focus: Applications of bioinformatics in precision agriculture, crop improvement, and sustainable farming systems.

Key Topics:

- Genomic tools for crop disease detection and resistance breeding.
- Big data analytics for precision agriculture (e.g., yield optimization).
- Bioinformatics in agrigenomics and plant-microbe interactions.
- Computational approaches to pesticide and fertilizer optimization.

4. Bioinformatics in Food Science

Focus: Applications of bioinformatics in food safety, nutrition, and cellular agriculture.

Key Topics:

- Computational modeling for food safety and pathogen detection.
- Metabolomics for nutritional profiling and functional foods.
- Bioinformatics in cellular agriculture (e.g., lab-grown meat).
- Data-driven approaches to sustainable food systems.

5. Bioinformatics in Veterinary Science

Focus: Computational tools for animal health, disease control, and sustainable livestock systems.

Key Topics:

- Vetinformatics for emerging infectious diseases (e.g., viral modeling).
- Multi-omics for livestock health and productivity.
- Computational approaches to animal welfare and reproductive biology.
- Bioinformatics in antimicrobial resistance surveillance.

Call for Abstract/Paper Submission

Abstracts not exceeding 300 words with a maximum of 6 keywords on any of the aforesaid themes should be submitted through email to ncabhfvs2025@gmail.com for consideration of oral/poster presentation. A full-length research paper not exceeding 6000 words should be submitted through the online portal mentioned above. Time allotted for oral presentation is of 8-10 minutes duration. Presentations should preferably be prepared on MS PowerPoint/Keynote. Research works on the above-mentioned thematic areas can also be submitted through electronic posters (e-posters) by individuals. Three best oral/poster presentations and e-posters from each session will be awarded. The best research articles from major scientific areas will be awarded.

Guideline for Registration:

- Tap on this link: <https://forms.gle/wvVvjHjMHUYcNZJQ7> or the QR code for registration.
- After the payment using these mentioned account numbers for registration/paper/abstract, it will be submitted before **11:59 pm, 06th October, 2025**.
- Seats are limited. Registration amount: Rs. **600** for student (UG, PG, PhD), Rs. **1000** for scientists/faculty members, etc.
- For those participants who have membership of the society, the registration amount is Rs. **400** for student (UG, PG, Ph.D.), Rs. **800** for scientists/faculty members, etc.
- For those participants who submit a **full-length article**, the registration amount, including the registration fee and submission fees, is Rs. **1200**.
- E-certificates will be given for participation/presentation/organizing, and awards/appreciation will be given for the best three in each thematic area.
- Payment can be done in any of these mentioned accounts.

Account Name : Satendra Singh

Bank Name : State Bank of India

Account number : 30074700809

IFSC Code : SBIN0002506



Payment details:

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SBBS AWARDS

- Lifetime Achievement Award (Age above 55 years)
- SBBS Senior Scientist Award (Age 45 - 55 years)
- Outstanding Achievement Award
- Distinguished Scientist Award (Bioinformatics)
- Women Scientist Award
- Young Scientist Award (Age below 40 years)
- Late Smt. Rahibai Ramteke Young Women Scientist Award (Age below 40 years)
- Young Research Scholar Award

Registration link for both Life membership & awards nomination:
<https://forms.gle/aCRxz5rjsUgoKLuLA>

Registration link for Only Life membership
<https://forms.gle/q3fypx1DR9tPxEgU7>

For any queries:
Dr. Satendra Singh, 09565448367, **Email:** bioinformatic.biology@gmail.com
Website: www.sbpsindia.in

ARDO AWARDS

- Senior Scientist Award (Age 45 - 55 years)
- Outstanding Achievement Award
- Distinguished Scientist Award
- Women Scientist Award
- Young Scientist Award (Age below 40 years)
- Young Research Scholar Award

For any queries:

Dr. Dhirendra Kumar, 08493099965,
Email: ardosociety@gmail.com
Website: www.ardosociety.com

IJLSAS

International Journal of
Life Sciences and Applied Sciences

IJLSAS is a peer-reviewed, open access journal. It publishes original articles, research paper, reviews in all areas of Life Sciences and Applied Sciences. IJLSAS is a multidisciplinary journal. Each article will receive a unique Digital Object Identifier (DOI), which serves as a permanent digital reference for the work. This DOI ensures that the article is instantly integrated into global research databases, making it easily discoverable and accessible to readers worldwide.

Full-length research paper and review article may be published in International Journal of Life Sciences and Applied Sciences (<http://www.ijlsas.com/>).

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