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Organizing Committee:

Faculty and Staff : *Departments of Biotechnology, Computer Science, Information Science, AI & ML and Chemistry, RVCE*

Mr. Vinay Kumar Chowdry, *Senior Operations Officer, BBC*

Ms. Megha Telkar, *Innovation and Ecosystem Development Officer, BBC*

Dr. Mary Mangalyarkarasi, *Intellectual Property Consultant, BBC*

Student Co-ordinators:

Genesis, *a student-led Biotechnology club, under the Centre of Excellence in Computational Genomics, RVCE*

Aakaanksha Kaul, J. Sanjana, Joanna N D'Souza, Maryanne Varghese,

Sarah Philip, Vibha R

For any further queries kindly contact:

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Conference Email: aimlbio2022@rvce.edu.in

Email ID: vidya.n@rvce.edu.in, www.aimlbio.com

ABOUT THE CONFERENCE

The International Conference on “Artificial Intelligence and Machine Learning in Applied Biotechnology” primarily focuses on identifying possible ways to integrate the AI & ML in Biotechnology areas viz., Drug Design, Disease diagnostics, Agriculture sectors, Food and Nutrition etc. The conference aims to bring experts in the field to deliberate on emerging trends and generate quality research contribution by providing suitable platform for prospective and practicing researchers.

ABOUT RVCE

RV College of Engineering® (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the Country. The institution is run by Rashtreeya Sikshana Samithi Trust (RSST), a not-for-profit Trust. RVCE is an Autonomous college. Currently, the institution offers 15 bachelor's, 14 Master's Programs, and all the departments have Research Centres affiliated with Visvesvaraya Technological University (VTU) Belagavi. The institution has set itself a Vision of "Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, With a Focus on Sustainable and Inclusive Technology."

The institute has ranked 89th in the Country by the National Institutional Ranking Framework (NIRF:2020-21), QS-IGUAGE-Diamond University Rating (2021-2024), and "Excellent" rating in ARIIA Ranking-2021. The institution has to its credit over 1500 National and International Journal & Conference publications, filed over 50 patents, 49 published patents, 14 granted patents and completed sponsored research and consultancy projects worth Rs. 20.0 crores in the last three years. Institute has established an Incubation Centre, Centre of Excellence in Microelectronics, Internet of Things, RVCE-Mercedes Benz Centre for Automotive Mechatronics, Toyota Kirloskar Motors sponsored Automotive workshop, Centre for Smart Antenna Systems, Centre for Computational Genomics, RV-Bosch Rexroth Centre for Automation, Autonomous Vehicles, e-Mobility, Quantum Information and Technology, Hydrogen & Green Technology Research and HPCC Systems, Cognitive Intelligent Systems for Sustainable Solutions and Visual Computing.

OBJECTIVES OF THE CONFERENCE

- ❖ Envision the application of AI/ML in the new frontiers of biotechnology
- ❖ Collaborate and network among the students, faculty, working professionals and researchers
- ❖ Provide a compendium of new ideas for research & commercial applications

CONFERENCE TRACKS

The Conference emphasizes contemporary research works and applications of Artificial Intelligence & Machine learning technologies to build sustainable solutions in the domain of Biotechnology. The contributions may include algorithms and technologies comprising data science & analytics, Machine learning, Deep learning, Artificial Intelligence and its forms to address the challenges in the Biotechnology field but not limited to the mentioned topics.

Track 1: Diseases and Diagnostics

Disease Detection and Prevention, Therapeutic agents

Track 2: Computational Methods for Genomics to Drug discovery

GWAS, Exome, Gene Essentiality, Whole Genome Sequence

Track 3: Information Systems & Technology for Agriculture, Food and Nutrition

Green biotechnology, Microbial, Fermentation, Nutrition, Crop biotechnology

Track 4: Algorithms for Life Sciences

Correction of genetic diseases, Forensic medicine, Fertility control and healthcare applications.

CALL FOR PAPERS

Prospective authors are encouraged to submit quality and original research papers for presentation at the conference. The submission of the abstract should follow the standard template provided by the organizers of the conference. The acceptance of the abstract submission will be based on the relevance, quality of content, and plagiarism check.

All oral and poster-related submissions, including the technical paper submissions will be handled electronically, double-blind peer reviewed. All accepted and presented papers will be published in the conference proceedings and selected papers will be considered for publication in Elsevier.

REGISTRATION FEES

Paper submission link: <https://easychair.org/conferences/?conf=aimlbio2022>

Industry professionals: **Rs. 3540** (GST included)

Faculty and Research Scholars: **Rs. 2360** (GST included)

Students - Presenting authors for oral presentations: **Rs. 1180** (GST included)

Non-presenting authors for oral presentations: **Rs.885** (GST included)

Authors for poster presentations: **Rs. 708** (GST included)

Foreign Delegates: **\$100**

IMPORTANT DATES

Abstract submission: **30th Sept. 2022,**

Acceptance Notification: **07th Oct. 2022**

Registration Deadline: **14th Oct. 2022**

Oral and poster-related proceedings: **31st Oct. 2022**

Technical paper submission: **15th Nov. 2022**

Final Publication: **31st Dec. 2022**

Register here:

<https://rzp.io/l/6iLl7eERr>

Or use the QR Code



RV COLLEGE OF ENGINEERING®
(Autonomous Institution Affiliated to VTU, Belagavi)
R. V. Vidyaniketan Post, Mysuru Road,
Bengaluru - 560 059

International Conference on “Artificial Intelligence and Machine Learning in Applied Biotechnology” (AIMLBIO)

Organized by
RV College of Engineering®
Bengaluru

In collaboration with



8 – 10, December, 2022

Hosted by
Department of Biotechnology
Co-Hosted by

Department of Computer Science and Engineering
Department of Artificial Intelligence and Machine Learning
Department of Information Science and Engineering