International Conference
on
Innovative Research in Bioscience, Bioinformatics, Biomedical Engineering, Cancer Biology and Applied Biotechnology (BCA-2019)

Organized by
"Krishi Sanskriti"

on
11th May, 2019

Venue: Jawaharlal Nehru University, New Delhi, India

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CALL FOR PAPERS

The Organizer cordially invites abstracts and full length research papers for oral/ poster presentation from all over the world to participate in the **International Conference on Innovative Research in Bioscience, Bioinformatics, Biomedical Engineering, Cancer Biology and Applied Biotechnology (BCA-2019)** is the premier forum for the presentation of new advances and research results in the fields of theoretical, experimental, applied molecular biology, genetics, cell sciences, cancer biology, stem cell research, Biomedical Engineering, Cancer Biology, Bioinformatics and Applied Biotechnology. The conference will bring together leading researchers, Entrepreneurs and Academicians in the domain of interest from around the world. Topics of interest for submission include various subthemes, but are not limited to the conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among Scholars for Sustainable Development. Contributions are invited from prospective authors from related areas. All contribution should be of high quality, Original and not published elsewhere or submitted for publication. During the review period, Papers will be reviewed by eminent scholars in the respective areas. All Selected papers will be published as chapters in edited book/conference proceeding having ISBN No. and few high-end papers will be published in international Journal having ISSN No. which will be issued to authors after publication.

Themes:

Biomedical Engineering

Biomedical imaging, image processing & visualization
Bioelectrical and neural engineering
Biomechanics and bio-transport
Methods and biology effects of NMR/CT/ECG technology
Biomedical devices, sensors, and artificial organs
Biochemical, cellular, molecular and tissue engineering
Biomedical robotics and mechanics
Rehabilitation engineering and clinical engineering
Health monitoring systems and wearable system
Bio-signal processing and analysis

Bioinformatics and Computational Biology

Protein structure, function and sequence analysis
Protein interactions, docking and function
Computational proteomics
Sensors and Instrumentation
Biomedical Composite Materials
Biomedical Intelligence & Clinical Data Analysis
Biomedical Inorganic Non-Metallic Materials
·Biometric And Bio-Measurement
·DNA And RNA Structure, Function And Sequence Analysis
·Health Monitoring Systems And Wearable System
·Neuro-Engineering
·Signaling And Computation
·Structural, Functional And Comparative Genomics
·Translational Genomics In Engineering
·Biometric and bio-measurement
·Bio-nanotechnology
·Bio-signal processing and analysis
·Clinical engineering
·Methods and biology effects of NMR/CT/ECG technology
·Rehabilitation engineering and clinical engineering
·Biomedical Intelligence & Clinical Data Analysis
·Biomedicine in industry and society
·Biomarker identification
·Computational immunology
·Biomedical devices, sensors, and artificial organs
DNA and RNA structure, function and sequence analysis
Gene regulation, expression, identification and network
Structural, functional and comparative genomics
Gene engineering and protein engineering
Drug design and computer aided diagnosis
Data acquisition, normalization, analysis and visualization
Medical imaging and image processing
Molecular sequence analysis
Nanotechnology For biomedical applications
Neuroengineering
Neuroimaging
Pattern analysis for biomedical applications
Robotics
Sensors and instrumentation
Telehealth
Telemedicine

Biomaterials

Advanced Biomaterials
Medical and Dental Applications
Tissue Engineering and Regenerative Medicine
Polymer and Metallic Biomaterials
Biomaterials and Nanotechnology
Biomaterials: Synthesis, Characterization, 3D Printing,
Biological Engineering
Biomaterials for Therapeutic and Investigative Delivery
Biodegradable Biomaterials
Scientific Performance of Biomaterials
Biomaterials for Implants
Biomechanical Research

Bioimaging
Medical Imaging and Diagnosis
Biomechanical Imaging
Magnetic Resonance Imaging (MRI)
Functional Magnetic Resonance Imaging (Fmri)
Single-photon Emission Computed Tomography (SPECT)
Positron Emission Tomography (PET)
High Resolution Research Tomography (HRRT)
Magnetoencephalography (MEG)
Ultrasound and Optical Imaging
Optical Elastography
X-ray Microscopy
Biophotonicsx
Fluorescence Resonance Energy Transfer (FRET)
Conventional Microscopy
Quantitative Bioimaging
Structural Biology
Brain Function Analysis
Hemodynamics Imaging
Histology and Tissue Imaging

Medical Imagining, Image and Signal Processing
Biomedical Signal Processing
Medical Data Storage and Compression
Medical Imaging (non MRI/S)
Ultrasound Imaging

Bioinformatics
Genomics and Proteomics
Sequence Analysis
Biostatistics and Stochastic Models
Pharmaceutical Applications
Immuno- and Chemo-informatics
Pattern Recognition, Clustering and Classification
Model Design and Evaluation
Transcriptomics
Next Generation Sequencing

Biomedicine Engineering
Bioinformatics of Diseases
Biomedical Intelligence & Clinical Data Analysis
Comparative Genomics
Computational Systems Biology
Protein Structure, function, and interactions
Sequence Analysis, Evolution and Phylogeny
Translational Genomics in Engineering
Bioenvironmental Engineering
Modeling and simulation
Molecular Medicine
Molecular Microbiology and its applications
Nonthermal processing for improving food safety
Plant Biotechnology
Produce disinfection and antimicrobials
Proteins and peptides: Bioinformatics, Structure and Function
Storage, processing and packaging
Toxicology and safety evaluation
Biomedical Computing
Personalized medicine
Collaborative medicine
Electrotherapy and radiotherapy

Stem Cells and Cancer Research & Treatment
·Cancer diagnostics and biomarkers
·Embryonic Stem Cells
·Mesenchymal and Cardiac Stem Cells
·Molecular Biology of stem cells
·Breast cancer
·Cancer genomics and proteomics
·Cancer therapeutics
·Cervical cancer
·Clinical research and trials in stem cells and cancer
·Hematopoietic and chord blood stem cells
·Immune systems in stem cells and cancer
·Lung cancer
·Lymphoid leukemias
·Mathematical modeling and bioinformatics in stem cells and Cancer
·Nanotechnology applications in stem cells and cancer
·Neural stem cells
·Oral, head and neck cancer
·Proliferation, differentiation and apoptosis of stem cells

Cell Science and Stem Cell Research
·Cell replacement therapies
·Stem cell Propagation techniques and novel reagents
·Stem cell therapy: Malignancies and Neurological disorders

Stem Cell Transplantation
·Autonomic complications of multiple sclerosis
·Chemotherapy with autologous stem cell transplantation
·Transplantation immunology: Solid organ and bone marrow

Tumor Science
·Cancer Cell Biology, Diagnostic and Prognostic Cancer
·Carcinogenesis & Mutagenesis and OMICS in cancer \research
·Tumor genesis and tumor growth

Diseases and Stem Cell Treatment
·Diabetes and pancreatic cancer
·Leukemia's: Antileukemic Drugs
·Parkinson

Cell Signaling Technology
·Cancer cell development and signaling pathway
·Cell Signaling, Disease and Stem Cells
·Cytokines and Signal transduction

Apoptosis and Disease
·Apoptosis pathway in cancer stem cells
·Epigenetic & Transcriptional Controls of Stem Cells
·Future perspectives of apoptosis in medicine

Biotechnology
Advancements in Biotechnology
Agriculture Biotechnology
Animal Biotechnology
Environmental Biotechnology
Food Biotechnology
Biotechnology in Cancer
Industrial and Microbial Biotechnology
Marine Biotechnology
Nanobiotechnology
Plant Biotechnology
Genetic Engineering and rDNA Technology
Medical Biotechnology

Biotechnology in Healthcare
Pharmaceutical Biotechnology
Bioengineering and biotechnology
Bioproducts and BioEnergy
Biomass and Bioenergy
Biotechnology and its Applications
Current Scenario in Biotechnology

Biosciences

Anatomy
Bioengineering
Biolinguistics
Biomechanics
Biomedical research
Biophysics
Botany
Developmental biology
Ecology
Entomology
Epidemiology
Ethology
Evolutionary biology
Hematology
Marine biology
Mycology
Neurobiology
Paleontology
Pathology
Physiology
Phytopathology
Population biology

Sociobiology
Systems biology
Toxicology
Zoology

Structural Bioinformatics:

- Structure matching
- Prediction
- Analysis and comparison
- Protein design
- Protein structure, function and sequence analysis
- Protein interactions, docking and function
- Drug design and computer aided diagnosis
- Algorithms, models, software, and tools in Bioinformatics
- Analysis and Visualization of Large Biological Data Sets
- Brain Computer Interface

Advances in Biotechnology

·Microbial & Biochemical Technology
·Bioremediation & Biodegradation
·Clinical and Cellular Immunology
·Medical Biotechnology and Biomedical Engineering
·Stem Cell Research & Tissue Science Engineering
·Pharmaceutical Biotechnology
·Agricultural Biotechnology
·Bioeconomy
·Bio-based products: materials
·Biocatalysis and biotransformation
·Bioengineering at the µ-Scale
·Biomaterials engineering and nanomedicine
·Bio-nanoparticles
·Biopharmaceuticals production
·Membrane technology
·Renewables, biofuels and bioenergy

Applied Biotechnology

·Algae and photobiotechnology
·Bioenvironmental Engineering and Risk Assessment
·Biorefineries
·Biosecurity
·Biosensors, Bioelectronics & Biochips, Tissue chips
·Biotechnology and its Applications
·Disease Outbreak Assessment
·Product Engineering in the Bio Industries
·Biological natural resource engineering
·Bio-machine systems
·Biotechnology for Livestock, Pests and Aquaculture
·Food safety and Bio-process engineering
·Biocatalysis, organocatalysis and nanobiotechnology
·Biological and biomedical imaging
·Biomimetic and self-assembled materials
·Bioremediation of polluted sites
·Enzyme biotechnology
·Nanoparticle sequestration in biomolecules

Important Dates

Last date of Abstract Submission:
6th May, 2019,
E-mail: conferencenewdelhi2@gmail.com

Last date of Full Length Research Paper & Copyright Form submission:
7th May, 2019,
E-mail: conferencenewdelhi2@gmail.com

Last date of Submission of Registration Details:
8st May, 2019.

Accommodation

Free one day Accommodation will be available to the limited no. of out station non N.C.R. Delegates at JNU guest house and nearby other guest houses/hotels around conference venue.

The Tariff rate for next day and subsequent day accommodation is as follows: Double-bed Room @ Rs.900/- per person (Indian non N.C.R. delegates) and 35 USD for Foreign delegates on sharing basis per day (check out time noon to noon).

To and fro transportation facility from guest house to the conference Venue will be provided by the organizer.

NOTE: In case Research article is accepted by the editorial committee it will be published and released on the day of conference in case the delegates are not able to physically present their paper due to some or other reason his/her research paper will be published (in absentia) and published copy along with certificate will be dispatched to his/her correspondence address by post just after the conference at no extra cost. **All communication should be by e-mail/online only (no hard copy is required to be posted).**

Mandatory steps to be followed:-

1. Abstract should be maximum **300 words**, full length research paper should be maximum **6 pages**.

2. In case of multi authored research paper, at least one Registration is mandatory.
3. In case other author/co-author wish to physically attend the conference they need to pay full Registration fees individually, separate Journal & Certificate along with the conference kit will be issued to them. Co- Authors are requested to fill & submit separate Registration forms in case they are physically attending the conference.
4. Charges for extra copy of Journal/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.
5. Co-Authors will not be considered as accompanying person. Listeners are not entitled for free accommodation (it will be on paid basis). However they will be issued conference kit and participation certificate.

All Selected papers will be available online after 15 to 20 days of conference date over.

Registration

The participants are requested to register by sending the duly filled Registration form through e-mail along with their research paper and registration fees **(through RTGS/ Wired Transfer or Online Transfer)**

Bank Details mention below for **RTGS/ Wired Transfer or Online Transfer**:

Beneficiary Name : Krishi Sanskriti
Bank Name : Canara Bank
Bank Address : Jeet Singh Marg, New Delhi
Account No. : 1484101026988
Account Type : Savings
IFSC Code : CNRB0001484
Swift Code- : CNRBINBBBID

Registration Charges:

Categories	Indian Delegates	Rest of the countries
Academic faculty/Industrial Delegates	**3000 INR**	**250 USD**
Research Scholars(Ph.D.)	**2500 INR**	**200 USD**
Students(UG and PG)	**2000 INR**	**150 USD**
Printing of Additional Pages as chapter in edited book/proceeding /in Journals	**400 INR**	**20 USD**
Listener / Accompanying Member (only Indian Delegates)	**1000 INR**	**
Print copy of research article as chapter in edited book/ proceeding/ Journal & Certificate (additional copy) for Co-Authors (if required in absentia)	**700 INR**	**30 USD**
Only Print copy of research article as chapter in edited book/ proceeding /Journal (additional copy) for Co-Authors (if required in absentia)	**400 INR**	**25 USD**
Only Certificates (Co-Authors in absentia)	**400 INR**	**20 USD**
Additional Research paper for same authors	**1000 INR**	**35 USD**

****Foreign Participants as listener are not allowed, only authors from foreign country/countries will be allowed in this conference.**

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For further information and Latest Updates, Write us at
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Or
visit our Website
http://www.krishisanskriti.org/bcs11.html

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