CALL FOR PAPERS AND CONFERENCE THEMES:
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 Recent Research in Biomedical Engineering, Cancer Biology, Stem Cells Bioinformatics and Applied Biotechnology (BECBAB-2017) which 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 and Systems
- Communication, networking and monitoring in bio-systems
- Monitoring of vital functions with sensor and ICT systems
- Advanced bio-signal processing
- Distributed BME applications
- Telehealth, telecare, telemonitoring, telediagnosics
- e-healthcare m-healthcare, x-health
- Smart phones in BME applications
- Computer aided diagnostics
- Improved therapeutic and rehabilitation methods
- Intelligent bio-signal interpretation
- Data and visual mining for diagnostics
- Personalized medical devices and approaches
- Biofluid Mechanics
- Biomedical Devices
- Cardiovascular Biomechanics
- Functional Imaging
- Neuroimaging
- Pattern Analysis For Biomedical Applications
- Sensors and Instrumentation
- Biological Data Mining And Visualization
- Biological Systems And Models
- Biomaterials And Biomedical Optics
- Biomedical Composite Materials
- Biomedical Intelligence & Clinical Data Analysis
- Biomedical Inorganic Non-Metallic Materials
- Biometric And Bio-Measurement
- Biomimetics Engineering
- Bioscience Engineering
- Comparative Genomics
- Computational Modeling & Data Integration
- Data Acquisition, Normalization, Analysis And Visualization
- DNA And RNA Structure, Function And Sequence Analysis
- Engineering Models In Bio-Medicine
- Health Monitoring Systems And Wearable System
- Massively Parallel Sequencing & Applications
- 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
- Computer-assisted surgery
- Methods and biology effects of NMR/CT/ECG technology
- Rehabilitation engineering and clinical engineering
- Biomedical Intelligence & Clinical Data Analysis
- Biomedicine in industry and society
- Comparative Genomics
- Computational Modeling & Data Integration
- Electrotherapy and radiotherapy
- Translational Genomics in Engineering
- Biomarker identification
- Computational immunology
- Biomedical imaging, image processing & visualization
- Biomechanics and bio-transport
- Biomedical devices, sensors, and artificial organs

Bio-Medical Signal Processing and Health Informatics
- Analysis and Processing
- Wearable Sensors and Systems
- Biometrics
- Pattern Recognition
- Fuzzy Systems
- Speech Recognition
- Acoustic Signal Processing
Time and Frequency Analysis
Bio-signal Modeling
Non-linear Dynamics
Telemmedicine Wearable Health Informatics
Cognitive Informatics
Health Monitoring Devices
Embedded Signal Processing
Electrical Bio-Impedance
Biotelemetry
Biomaterials
Biomechanical Devices
Computer-aided Detection and Diagnosis

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

Devices, Materials and Instrumentation
Bioinstrumentation
Biomedical Electronics
Biosensors and Transducers
Data and Signal Acquisition
Dental Engineering
Intelligent Instrumentation
Lasers and Optical Systems
Microelectrical Mechanical Systems (MEMS)
Noninvasive Measurement
Robotics and Medicine

Medical Imaging, Image and Signal Processing
Biomedical Signal Processing
Computed Tomography
Medical Data Storage and Compression
Medical Imaging (non MRI/S)
Nanoparticles and Cell Imaging
Nuclear Medicine
Optical Imaging
Ultrasound Imaging

Modelling, Simulation, Systems and Control
Bio-Aquatic System Design and Protection
Bio-Environmental Engineering
Electromagnetic Field Simulation

Hemodynamics
Surgery Simulation and Simulators

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

Tumour Science
Cancer Cell Biology, Diagnostic and Prognostic Cancer
Carcinogenesis & Mutagenesis and OMICS in cancer research
Tumorogenesis 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

Cell Science & Development
Advances in Gene therapy
Cell Line Development for Novel Molecules
The role of genetic and epigenetic factors in development

Stem Cell Medicine: Social and Political Challenges
Bioethics & IPR
Biosafety and rDNA Guidelines
Genome analysis:
- Genome assembly
- Genome and chromosome annotation

Sequence analysis:
- Multiple sequence alignment

Phylogenetics:
- Phylogeny estimation
- Models of evolution
- Comparative biological methods

Analysis of high-throughput biological data:
- EST, SAGE and MPSS
- Linkage analysis
- Association analysis
- Marker discovery

Next generation sequencing and sequence analysis:
- De novo sequencing, re-sequencing and assembly
- Expression estimation
- Metagenomics

Healthcare and diseases
- Computational support for clinical decisions
- Disease control and diagnosis

E-Health
- E-Health technology and devices
- E-Health information processing
- Video techniques for medical images
- Integration of classical medicine and E-Health

Bioscience Engineering
- Biological Systems and Models
- Computer Assisted Intervention Systems
- Biomedical & Biological Sensors
- Cell Engineering
- Molecular and Cellular Systems
- Body’s and Cell’s Bio-signatures
- Microarray Technologies
- Biomedical Data Engineering

Biomechanics
- Bone and Joint Engineering
- Gait Analysis
- Musculoskeletal Modelling
- Physiotherapy and Sports Biomechanics
- Prosthetics and Orthotics
- Rehabilitation Engineering

Health Care Technology
- Clinical Engineering
- Computer-Aided Surgery
- Computers in Medical Education
- Electrotherapy
- Functional Electrical Stimulation (FES)
- Haptics
- Implant Technology
- Interactive 3-D Models
- Lasers in Medicine
- Neural, Sensory Systems and Rehabilitation

Bioinformatics and Computational Biology
- Analysis and Visualization of Large Biological Data Sets
- Bioelectronics and diagnostics
- Bioinformatics analysis of stem cells
- Biomedical Model Parameterisation
- Biorobotics and Biosensors
- Brain Computer Interface
- Emergent Properties in Complex Biological Systems
- Evolutionary Computing
- Genes and their Regulation
- Immuno-Computing
- Medical Imaging and Pattern Recognition
- Metabolic Pathway Analysis
- RNA and Protein Folding and Structure Prediction
- Stem Cell Sequencing/Epigenomics analysis
- Structural, functional and comparative genomics
- Systems and Synthetic Biology
- Inference of biological networks
- Simulation and visualization of biological systems
- Bio-molecular & Phylogenetic Databases
- Data Visualization
- Signaling and Computation
- Analysis of protein functionality
- Quantitative proteomics and PTMs

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
- Bio-based products: materials
- Biocatalysis and biotransformation
- Bioeconomy
Bioengineering at the µ-Scale  
Bioenvironmental Engineering and Risk Assessment  
Bio-nanoparticles  
Biorefineries  
Bioremediation & Biodegradation  
Biosecurity  
Biosensors, Bioelectronics & Biochips, Tissue chips  
Biotechnology and its Applications  
Disease Outbreak Assessment  
Membrane technology  
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  
Bioacatalysis, organocatalysis and nanobiotechnology  
Biological and biomedical imaging  
Biomimetic and self-assembled materials  
Bioremediation of polluted sites  
Enzyme biotechnology  
Nanoparticle sequestration in biomolecules

Abstract Submission:  
Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at conferencenewdelhi2@gmail.com or before 11th September, 2017.

Submission of Full Length Research Paper  
Full length research paper, maximum in 6 pages should be submitted by 12th September, 2017 through email at - conferencenewdelhi2@gmail.com

Submission of Registration fees latest by 13th September, 2017. Registration process can be initiated after receiving acceptance letter of full paper.

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.800/- 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.

Mandatory steps to be followed:-  
1. In case of multi authored research paper, at least one Registration is mandatory.  
2. 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.  
3. Charges for extra copy of Journal/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.  
4. 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.  
5. All Selected papers will be available online after 15 to 20 days of conference date over, in order to download the papers the authors need to go in the publication section of KrishiSanskriti website.

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:

Registraion Charges:  

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<thead>
<tr>
<th>Categories</th>
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<th>SAARC/ African Country Delegates</th>
<th>Rest of the countries</th>
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<tbody>
<tr>
<td>Academic/Industry Delegates</td>
<td>4000 INR</td>
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<td>250 USD</td>
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<td>Research Scholars(Ph.D) / NGO Representative</td>
<td>3500 INR</td>
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For further information and Latest Updates, Write us at conferencenewdelhi2@gmail.com
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Prof. (Dr). G. C. Mishra  
Dr. V. VenkatRamanan
Organizing Secretary  
Convener

Contact No. : +91-9013461579

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