



International Conference & Expo on  
**Biotechnology and Healthcare**

Biotechconference 2017

Oct 26-27, 2017 | PJTSAU | Hyderabad, India

Conference Venue: PJTSAU Auditorium, Rajendranagar, Hyderabad

**BIOHE-2017 Final Scientific Program**

**Day 1**

**October 26, 2017**

**09:00 - 09:30**

**On-site Registrations**

**09:30 - 10:00**

**Opening Ceremony**

**Group Photo**

**Keynote Forum (Main Hall)**

**10:25 - 10:50**

Title: Preimplantation genetic diagnosis: The new eugenics or parental responsibility?

**Michele Goodwin**, University of California, USA

**10:50 - 11:15**

Title: Applied photosynthesis: A Nano-biohybrid approach for direct solar energy conversion

**Barry D. Bruce**, University of Tennessee, USA

**Coffee Break 11:15 - 11:30**

**11:30- 11:55**

Title: Innovations in Nano-biotechnology for healthcare applications

**S.H. Pawar**, D.Y. Patil University, India

**11:55 - 12:20**

Title: Grain processing or value addition to food grains in India

**Vasudeva Singh**, CSIR-Central Food Technological Research Institute, india

**12:20 - 12:45**

Title: Drug target development using genome informatic and health

**B.K Malik**, Sharda University, India

**12:45 - 13:10**

Title:

**K.N. Mohan**, BITS Pilani- Hyderabad, India

**Lunch Break 13:10 - 14:00**

**Biotech & Healthcare Industrial Forum**

**14:00-14:15**

ABLE-AG, India

**Shivendra Bajaj**, Executive Director

**14:15-14:30**

Transcell Biologics, India

**Subadra Dravida**, Founder & CEO

**14:30-14:45**

Nucleon Therapeutics LLP, India

**Ujwala Salvi**, Founder & CEO

<b>Technical Sessions (Hall 1):</b>	
Agriculture and Environmental Biotechnology Animal Biotechnology Industrial and Microbial Biotechnology Food technology and Nutritional Science Applied Biotechnology	
<b>Session Introduction:</b> <b>Chair: Barry D. Bruce, University of Tennessee, USA</b> <b>Co-chair: Vijaya khader, Acharya N.G.Ranga Agricultural University , India</b> <b>Co-chair: M N V Prasad, University of Hyderabad, India</b>	
14:45 - 15:00	Title: Development of nutritionally (high grain protein) enhanced chickpea ( <i>Cicer arietinum L.</i> ) <b>Aravind Jukanti</b> , ICAR-Indian Institute of Rice Research, India
15:00 - 15:15	Title: Production of hydrogen from pretreated waste biomass by Clostridial fermentation <b>Gobinath Rajagopalan</b> , South Asian University, India
15:15- 15:30	Title: Identification of the strain of actinomycete having ability to produce enzyme laccase and its application in the treatment of pulp paper mill effluent <b>Lalita Niranjana Limaye</b> , University of Mumbai, India
15:30- 15:45	Title: Biocide-mediated control of human enteric pathogens on freshly harvested tomatoes <b>Navodit Goel</b> , Amity University, India
15:45 - 16:00	Title: Production of bio-plastic for agricultural use <b>Sonal Chavan</b> , Sinhgad College of Science, India
<b>Coffee Break 16:00 - 16:15</b>	
16:15 - 16:30	Title: Identification of Bacterial leaf blight resistance genes in rice genotypes using markers <b>V. Bhuvaneshwari</b> , Regional Agricultural Research Station-Maruteru, India
16:30-16:45	Title: Physiological and phenotypic characterization of rice introgression lines and mutants under prolonged shade condition <b>Madhusmita Panigrahy</b> , National Institute of Science Education and Research, India
<b>Young Research Forum</b>	
16:45-17:00	Title: Purification of <i>Potato virus Y</i> for production of polyclonal antisera and serodiagnostic assay <b>Ranima Mishra</b> , Assam Agricultural University, India
17:00-17:15	Title: Identification and characterization of a few genes that are associated with root system architecture <b>Veena IK</b> , University of Agricultural Sciences-Bangalore, India
17:15-17:30	Title: Decolorisation and degradation of brilliant blue-r by <i>Bacillus firmus</i> (kx898362) an alkaline tolerant strain isolated from <i>Centella asiatica</i> <b>Neetha Nirupama Jathanna</b> , NMAM Institute Of Technology, India
17:30- 17:45	Title: Next generation sequencing and functional characterization of spike in <i>Piper longum L.</i> <b>Mrinalini Prasad</b> , Dayalbagh Educational Institute, India

**Technical Sessions (Hall 2):**

Biochemistry and Molecular Biology  
 Immunology and Cell Biology  
 Medical Biotechnology & Biomedical Engineering  
 Genomics and Genetic Engineering  
 Bioinformatics and Computational Biology  
 Biosensors and Bioelectronics  
 Nanotechnology

**Session Introduction:****Chair: S.H. Pawar, D.Y. Patil University, India****Co-chair: K.N. Mohan, BITS Pilani- Hyderabad, India****Co-chair: Baishnab Charan Tripathy, Jawaharlal Nehru University, India****Co-chair: Lekha Dinesh Kumar, Centre for Cellular & Molecular Biology, INDIA**

14:45 - 15:00	Title: Expression of a bacterial chitinase (ChiB) gene enhances resistance against <i>E. polygoni</i> induced powdery mildew disease in the transgenic Black gram ( <i>Vigna mungo</i> L.) (cv. T9) <b>D.K. Das</b> , T.M.Bhagalpur University, India
15:00- 15:15	Title: A novel L-fucose-binding lectin induced cytotoxicity in cancer cells <b>Santosh R Kanade</b> , Central University of Kerala, India
15:15- 15:30	Title: Altered gene expression associated with enhanced violacein production in sonic-stimulated culture of <i>Chromobacterium violaceum</i> <b>Vijay Kothari</b> , Nirma University, India
15:30- 15:45	Title: Development of arginine based targeted nano carriers for gastrin releasing Peptide receptors in colon cancer <b>Erumalla Venkatanagaraju</b> , Christ University, India
15:45- 16:00	Title: FADD and cFLIP: Key players of programmed cell death signaling <b>Chandramani Pathak</b> , Indian Institute of Advanced Research, India
<b>Coffee Break 16:00 - 16:15</b>	
16:15 - 16:30	Title: Dynamics of dengue virus strain circulation in India and implications in disease severity <b>Musturi Venkataramana</b> , University of Hyderabad, India
<b>Young Research Forum</b>	
16:30-16:45	Title: Co-expression of genes regulating protein synthesis and stability improves tolerance and adaptation to water limited conditions <b>Sujitha D</b> , University of Agricultural Sciences-Bengaluru, India
16:45-17:00	Title: Creatine protects oxidant induced inactivation of erythrocyte PMRS, quenches free radicals and reduces metal ions. <b>Neha Mohd. Qasim</b> , Aligarh Muslim University, India
17:00- 17:15	Title: Bionanoparticles from bacopa monnieri and its propensity in ameliorating acrylamide induced neurotoxicity: Involvement of glutathione - In vitro and In silico <b>Sanjana Naveen Prasad</b> , Dayananda Sagar Institutions, India
17:15-17:30	Title: Functional characterization of oxidative stress responsive transcription factors using chemical genomic approach <b>Vanitha PA</b> , Annamalai University, India
17:30-17:45	Title: Anticancer activities water-soluble polysaccharides isolated from traditional african medicine <b>Emery Kanemoto</b> , BITS Pilani Hyderabad, India

<b>Technical Sessions (Hall 3):</b>	
Pharmaceutical Biotechnology and Biopharmaceutical Global Biotechnology Market Biotechnology in Healthcare Healthcare Technology Healthcare and Nurse Practitioners Pharmacists in the Health Care System	
<b>Session Introduction:</b>	
<b>Chair: B.K Malik, Sharda University, INDIA</b>	
<b>Co-chair: R. Dhananjayan, Apollo Speciality Hospitals, India</b>	
<b>Co-chair: Neelima Verma, Fortis Hospital, India</b>	
<b>14:45 - 15:05</b>	Title: Extremely high ferritinemia associated with Hemophagocytic lymphohistiocytosis (HLH) <b>Neelima Verma</b> , Fortis Hospital, India
<b>15:05 - 15:25</b>	Title: Compulsory Licence: Indian perspective <b>Goutham Bhattacharyya</b> , K&S Partners, India
<b>15:25- 15:30</b>	Title: Evaluation of antioxidant & antidiabetic properties of some indigenous medical plants <b>Saraswathi Raman</b> , St.Joseph's College, India
<b>15:30- 15:45</b>	Title: Susceptibility of burn wound pathogens to nano dressings <b>R. Mala</b> , Mepco Schlenk Engineering College, India
<b>15:45- 16:00</b>	Title: Next-generation point of care testing <b>Ravishekhar Gadepalli</b> , All India Institute of Medical Sciences, India
<b>Coffee Break 16:00 - 16:15</b>	
<b>Young Research Forum</b>	
<b>16:15 16:30</b>	Title: Chlorzoxazone reduced the formation of n-acetyl-p-benzoquinoneimine, a toxic <b>Lavanya Nalluri</b> , KVSR Siddhartha College of Pharmaceutical Sciences, India
<b>16:30-16:45</b>	Title: Superfoods for a healthy skin <b>Parul Thapar</b> , Maulana Azad Medical College, India
<b>16:45-17:00</b>	



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Day 2

October 27, 2017

Keynote Forum

09:30- 09:55	Title: Towards C4 rice; overexpression of Phosphoenol Pyruvate Carboxylase, Phosphoenol Puruvate Carboxy Kinase and Carbonic Anhydrase in <i>Arabidopsis thaliana</i> enhances its photosynthesis, productivity and water use efficiency <b>Baishnab Charan Tripathy</b> , School of Life Sciences, JNU, India
09:55- 10:20	Title: Phytotechnology: From demonstrated technology to established entrepreneurship <b>M.N.V Prasad</b> , University of Hyderabad, India
10:20 - 10:45	Title: Ancient wisdom modern confirmations <b>Suman Kapur</b> , BITS Pilani- Hyderabad, India
10:45 - 11:10	Title: Microfluidic / Lab-on-a-chip Devices for Biomedical and Energy Applications <b>Saket Goel</b> , BITS-Pilani, India

Coffee Break 11:10 - 11:25

11:25 - 11:50	Title: Economic empowerment of women through application of Science & Technology for food, nutrition, health & livelihood security <b>Vijaya Khader</b> , Acharya N.G.Ranga Agricultural University , India
11:50- 12:15	Title: Unique microRNA signatures: Potential and novel biomarkers to detect different types,grades and stages of breast cancer <b>Lekha Dinesh Kumar</b> , Centre for Cellular & Molecular Biology, India
12:15 - 12:40	Title: Endothelial dysfunction in type-2 Diabetes mellitus <b>R. Dhananjayan</b> , Apollo Speciality Hospitals, India
12:45 - 13:10	Title: On the role of selenophosphate synthetase in the cell <b>Yuliya V. Preobrazhenskaya</b> , Ya. Kupala State University of Grodno, Belarus

Lunch Break 13:10 - 14:00

Biotech & Healthcare Industrial Forum

14:00-14:15	Mapmygenome, India <b>Anuradha Acharya</b> , CEO Mapmygenome, India
14:15-14:30	NirogStreet, India <b>Ram N Kumar</b> , Founder & CEO
14:30-14:45	Geomarine Biotechnologies, India <b>Charles Bhaskar</b> , Managing Director

<b>Technical Sessions (Hall 1):</b>	
Agriculture and Environmental Biotechnology Animal Biotechnology Industrial and Microbial Biotechnology Food technology and Nutritional Science Biochemistry and Molecular Biology Applied Biotechnology	
<b>Session Introduction:</b> <b>Chair: Dr. Vasudeva Singh, CSIR-CFTRI, Mysore , Karnataka</b> <b>Co-chair: Prof. Sanket Goel,BITS-Pilani, India</b> <b>Co-chair: Aravind Kumar Jukanti, Indian Institute of Rice Research, Hyderabad, Telangana</b>	
<b>14:45 - 15:00</b>	Title: Biofumigation affects fungal community structure of root associated and rhizosphere of strawberry. <b>Srivathsa Nallanchakravarthula</b> , C. G. Bhakta Institute of Biotechnology, India
<b>15:00 - 15:15</b>	Title: Synthetic Biology: The hope for the future <b>Rajiv Ranjan</b> , Dayalbagh Educational Institute, India
<b>15:15- 15:30</b>	Title: Host response to pathogen - Peste des petits ruminants as a model <b>Ravikumar Gandham</b> , Indian Veterinary Research Institute, India
<b>15:30- 15:45</b>	Title: Identification of nutrient use efficient genotypes using molecular markers <b>Girija Rani, M</b> , Acharya N. G Ranga Agricultural University, India
<b>15:45-16:00</b>	Title: Synthetic Biology: The hope for the future <b>M.Vasundhara</b> , University of Agricultural Sciences-Bengaluru, India
<b>Coffee Break 16:00- 16:15</b>	
<b>Young Research Forum</b>	
<b>16:15-16:30</b>	Title: Comparative studies of enzyme activities of normal and <i>Rhizoctonia bataticola</i> infected <i>Cicer arietinum L</i> <b>Nutan Kumari</b> , T.M.Bhagalpur University, India
<b>16:30-16:45</b>	Title: Colored wheat as a novelty crop: Understanding potential health benefits <b>Saloni Sharma</b> , National Agri-Food Biotechnology Institute, India
<b>16:45- 17:00</b>	Title: Genetic diversity of <i>Venturia inaequalis</i> (Cke.) wint. in mixed orchard Kashmir <b>Muntazir Mushtaq</b> , Sher-e-Kashmir University of Agricultural Sciences and Technology-Shalimar, India
<b>17:00-17:15</b>	Title: Broad-spectrum Prophylactic vaccine for bluetongue - possible approaches <b>Shiva Jyothi J</b> , P.V.Narsimha Rao Telangana Veterinary University, India
<b>17:15- 17:30</b>	Title: Screening of Compatible pesticide with Bt for future combine formulation <b>Chandrakant P Narkhede</b> , North Maharashtra University, India

<b>Technical Sessions (Hall 2):</b>	
<b>Agriculture and Environmental Biotechnology</b> <b>Animal Biotechnology</b> <b>Industrial and Microbial Biotechnology</b> <b>Food technology and Nutritional Science</b> <b>Biochemistry and Molecular Biology</b> <b>Applied Biotechnology</b>	
<b>Session Introduction:</b> <b>Chair: Baishnab Charan Tripathy, Jawaharlal Nehru University, India</b> <b>Co-chair: Vijaya khader, Acharya N.G.Ranga Agricultural University , India</b> <b>Co-chair: Lekha Dinesh Kumar, Centre for Cellular &amp; Molecular Biology, India</b>	
14:45 - 15:00	Title: The role of hypoxia induced nitric oxide in flooding tolerance in plants <b>Jagadis Gupta Kapuganti</b> , National Institute of Plant Genome Research, India
15:00 - 15:15	Title: Cress seed and linseed as capsules of PUFA <b>Thorat S. S</b> , University of Mahatma Phule Agricultural University, India
15:15- 15:30	Title: Macroporous polyacrylamide based cryogel as a lab-scale cell culture reactor for monoclonal antibody production <b>N.S. Jayaprakash</b> , VIT University, India
15:30- 15:45	Title: Comparison of urinary total proteins by four different methods. <b>Padma Yalamati</b> , MediCiti Institute of Medical Sciences, India
15:45 - 16:00	Title: South & South-East Asia seed market: Growth, trends & forecasts <b>Bharti Malhotra</b> , Mordor Intelligence, India
<b>Coffee Break 16:00 - 16:15</b>	
<b>Young Research Forum</b>	
16:15-16:30	Title: Cell based biosensor using Buffalo spermatozoa as a biorecognition element for the detection of cereulide in milk powder <b>Meenakshi Bamnia</b> , National Dairy Research Institute, India
16:30-16:45	Title: <u>Advancement in Plant Biotechnology</u> <b>Swati Snigdha</b> , Orissa University of Agriculture & Technology, India
16:45- 17:00	Title: <u>Characterization and phylogenetic analysis of mangrove actinomycetes</u> <b>Swarna Dhavala</b> , Loyola College, India
17:00-17:15	Title: <u>Neutraceuticals in Palmyra fruit and its optimization in yoghurt</u> <b>Deepak Subramani</b> , Kongu Engineering College, India
17:15-17:30	Title: <u>Exopolysaccharide producer as future hand for heavy metal cleanup</u> <b>Bhavana V. Mohite</b> , North Maharashtra University, India



<b>Technical Sessions (Hall 3):</b>	
<b>Nanotechnology</b> <b>Medical Biotechnology &amp; Biomedical Engineering</b> <b>Genomics and Genetic Engineering</b> <b>Pharmaceutical Biotechnology and Biopharmaceutical</b> <b>Biotechnology in Healthcare</b> <b>Healthcare and Nurse Practitioners</b> <b>Pharmacists in the Health Care System</b>	
<b>Session Introduction:</b>	
<b>Chair: S.H. Pawar, D.Y. Patil University, India</b>	
<b>Co-chair: R. Dhananjayan, Apollo Speciality Hospitals, India</b>	
<b>Co-chair: Goutham Bhattacharya, K&amp;S Partners, India</b>	
<b>14:45 - 15:00</b>	Title: Gel based in vitro 3D model exploring the osteocytic potentiality of human CD34+ stem cells <b>P.V.G.K. Sarma</b> , Sri Venkateswara Institute of Medical Sciences, India
<b>15:00 - 15:15</b>	Title: Utilization of Fish scale protein isolate product as a Possible Immunostimulant <b>Gayathri V</b> , Rajalakshmi Engineering College, India
<b>15:15- 15:30</b>	Title: Taxifolin from marine derived <i>Streptomyces sampsonii</i> PM33: Taxonomy, <b>Venugopal Gopikrishnan</b> , Sathyabama University, India
<b>15:30- 15:45</b>	Title: Experimental report on cancer, diabetes and dandruff treatment by biogenic silver nano particles from Avaarambu leaf extract. <b>T. Sivakumar</b> , Thiru Govindasamy Government Arts College, India
<b>15:45 - 16:00</b>	Title: Rice field cyanoprokaryota as a potential source of dietary nutrients <b>Shantanu Bhattacharya</b> , Sambalpur University, India
<b>Coffee Break 16:00 - 16:15</b>	
<b>16:15 - 16:30</b>	Title: Inaperturate pollen diversity in the arborescent taxa of Karimnagar district, Telangana State, India <b>Hari Ramakrishna</b> , Osmania University, India
<b>Young Research Forum</b>	
<b>16:30 - 16:45</b>	Title: Monascus pigments mediated green synthesis of gold nanoparticles: New era of safe Nanotechnology <b>Sunil H. Koli</b> , School of Life Sciences, North Maharashtra University, India
<b>16:45-17:00</b>	Title: Neurotoxicity and reduction in catecholamine levels in brain regions of mice treated with iron oxide nanoparticles. <b>Vijayprakash Manickam</b> , Bharathiar University, Tamilnadu, India





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## Poster presentation

### Poster Judges:

Suman Kapur, BITS Pilani- Hyderabad, India

Vasudeva Singh, CSIR-Central Food Technological Research Institute, India

Goutham Bhattacharyya, K&S Partners, India

BHC-01	Title: Combining an epithelial repair factor with an anti-fibrotic and corticosteroid optimally treats the pathogenesis of chronic allergic disease Rahma Muhammad Adamu, Sharda University India
BHC-02	Title: High rate Poultry feather hydrolysate production by <i>Aspergillus niger</i> by Solid state fermentation technique for the cost effective production of <i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> Gopinathan chengalath, University of Calicut, India
BHC-03	Title: "THE PRODUCTION & MODIFICATION OF NEW GENERATION VACCINE TO FIGHT AGAINST DEADLY DISEASES" Attrayee Chakroborty & Priyabrata Singha
BHC-04	Title: 3D bioprinting- A revolutionary innovation Sangita Dey, Maharishi Markandeshwar University, India
BHC-05	Title: Starch based biodegradable plastic. Kanchan Dixit & Raj Vashi, Sinhgad College of Science, India
BHC-07	Title: Evaluation of antimicrobial activity of probiotic lactobacillus species isolated from milk products against pathogenic bacteria. Komal Ravindra Navare, Centre for Biotechnology, Pravara Institute of medical sciences, India
BHC-08	Title: Are vaccines and autism inter-related ! Soumya Mahajan, Ishita Asthana, Manasi Raj, Amity University, India
BHC-09	Title: Food Technology: A Boon Versha Hansa, Amity University, India
BHC-10	Title: Eco-friendly genetically modified crops: the future of agriculture Ananya Srivastava, Amity University, India
BHC-11	Title: An update on Malaria Vaccines Shefali Gusain, Amity University, India
BHC-12	Title: Assessment & Analysis Of Alu-Ace I/D Polymorphism In Type II Diabetic Patients Of Indian Origin Vuddanti sathish kumar, Nagulavantha doondi phani kumar, Shaikh mahmood, Nirmala college of pharmacy, India
BHC-13	Title: Activation of amino acid starvation response reduces the severity of DSS-induced colitis by inhibiting IL-1 $\beta$ production via integrated stress response pathway Srikanth Battu, University of Hyderabad, India
BHC-14	Title: Characterization of changes in secondary structure of immobilized lipase using FT-IR data Ashwini C. Mathpati, Institute of Chemical Technology, India
BHC-15	Title: Antiproliferative and apoptosis promoting activity of <i>Artemisia absinthium</i> L. fractions on chronic myeloid leukemia cells - a bioassay guided strategy. Mohd Yasin Bhat, University of Hyderabad, India

<b>BHC-16</b>	<b>Title: Dictyostelium EI24 knockout results in autophagy defect and formation of ubiquitin-positive protein aggregates</b>
	<b>Neha Gupta , Jawaharlal Nehru University, India</b>
<b>BHC-17</b>	<b>Title: Development of Therapeutic Juices</b>
	<b>Anushya Menon.K.C &amp; Kousalya.P, Kumaraguru college of Technology,India</b>
<b>BHC-18</b>	<b>Title: SCREENING OF EXTRACELLULAR ENZYMES PRODUCING ENDOPHYTIC FUNGI ISOLATED FROM MEDICINAL PLANTS</b>
	<b>Antony Jenila. V, Loyal College, India</b>
<b>BHC-19</b>	<b>Title:Efficacy of Nigella sativa against high fat diet induced obesity in Wistar rats</b>
	<b>Asra Fathima, Defence Food Research Laboratory, India</b>
<b>BHC-20</b>	<b>Title:Motion sickness induced neuronal changes in Balb/c mice model</b>
	<b>D. Uma Maheswari, Defence Food Research Laboratory, India</b>
<b>BHC-21</b>	<b>Title:Anti-Obesity potential of hydroalcoholic extract of Citrus limon peel against progesterone induced obesity</b>
	<b>Niveditha.T.S, Defence Food Research Laboratory, India</b>
<b>BHC-22</b>	<b>Title:EXPLOITATION OF YIELD ENHANCING GENES FOR RICE IMPROVEMENT</b>
	<b>Bincy B Thomas, Regional Agricultural Research Station, India</b>
<b>BHC-23</b>	<b>Title: Comparative analysis of substrate specificity in two different classes of housekeeping Sortases</b>
	<b>Avinash Kumar, National Institute of Immunology, India</b>
<b>BHC-24</b>	<b>Title: Development of antibiotic loaded self-assembled scaffolds using biodegradable polymer particles</b>
	<b>Robin Kumar, National Institute of Immunology, India</b>