

International Conference On

NEW APPROACHES IN BIOTECHNOLOGY AND BIOSCIENCES

“NABB-2016”

February 18-20, 2016

ORGANIZED BY



DEPARTMENT OF BIOTECHNOLOGY

RAJA BALWANT SINGH ENGINEERING TECHNICAL CAMPUS

BICHPURI [AGRA], INDIA

IN COLLABORATION WITH



**SOCIETY FOR SUSTAINABLE AGRICULTURE & RESOURCE MANAGEMENT
(SSARM), HISAR, INDIA**

INVITATION

Dear Colleagues

The World population is likely to grow to 8 billion in 2025 and stabilize at about 10 billion by 2050 with major increases being in developing countries. Coherence among elements of sustainability like food security, environment, clean energy systems, judicious use of natural resources, application of advanced technologies and human as well as live stock health is important for civic society worldwide. Environmental soundness as well as fragility is of utmost concern to all living beings, especially under climate change as it determines the expression of potential productivity of crops, animals, microorganisms etc. The lack of civic amenities in rural areas in many developing countries as well as unplanned expansion in urban areas with expanding slums have led to proliferation of existing diseases and emergence of new diseases. The situation calls for commensurate advances in bio-medical sciences, nutraceuticals, pharmaceuticals, diagnostics and health care systems. This will call for a blend of traditional ecological prudence with frontier technologies, particularly biotechnology and allied biosciences. Agricultural biotechnologies can help achieve the productivity gains needed to feed a growing global population, introduce resistance to biotic and abiotic stresses, improve food and feed quality, nutritional value and shelf life and lower emissions of methane and other green house gases etc.

This International Conference on New Approaches in Biotechnology and Biosciences-2016 “NABB-2016” with focus on Agriculture, Food, Pharmacy and Environment aims to enlighten advances in biotechnological researches in Agriculture including crops, Aqua culture and Livestock; Food Technology; Pharmacy and Environment as well as their applications in industry and academics. In view of globally growing business in biotechnology, emphasis will be laid on topical issues like Plant and Environmental biotechnologies including Molecular Marker Assisted Selection, Transgenic plants and Crops; Phyto-Bioremediation, and Microbial diversity; Medical and Pharmaceutical Biotechnology (TB, Vaccines, Cancer, AIDS, Hepatitis, Arthritis, Hemophilia, bone fractures, multiple sclerosis, and cardiovascular disorders antibiotics and antibodies); Industrial Biotechnology; Biomedical and Bioprocess Engineering; Protein Engineering; innovations in understanding of structure and functions of genes and proteins; genome and proteome information; Pharmacogenomics, Gene therapy, Genetic testing (or genetic screening); Drug production; Disease diagnostics: DNA Computing, Bioinformatics, Nano-Biotechnology etc.

This conference will be jointly organized by RBS Engineering Technical Campus, Bichpuri, Agra and Society for Sustainable Agriculture (SSARM) India for exchange of knowledge and experiences among researchers, development functionaries and policy planners and to provide opportunities to discuss such issues, plan collaborations in areas of concern among international communities and to make recommendations to tackle some of the above stated problems and issues.

The organizing committee cordially invites you and your colleagues to participate in this event. Your active participation will surely enrich the discussion and emerging recommendations. We shall be glad to meet you at Agra – The city of the Historic Taj Mahal. Join us in this exciting opportunity.

V. K. Srivastava
Organizing Secretary

A.P. Singh
Chairman,

R.K.Behl
CO-Chairman

D.P. Singh
President, SSARM

ABOUT THE CONFERENCE:

The technical programme of the International Conference comprises of Plenary Lectures, Lead Papers, Contributory Papers, Poster Presentation, Panel Discussions with Scientists, Policy planners and Persons from the industry and NGO's.

Venue : **Conference Hall, Raja Balwant Singh Engineering Technical Campus Bichpuri [Agra]-283105, India**
Dates : **February 18-20, 2016**
Official Language : **English**

Objectives: This International Conference is being organized with the following objectives:

- a) To provide an international platform for scientists, researchers, academicians, industry people and students in the field of Biotechnology, Food Technology, Pharmacy and Agriculture to exchange information about the latest advances, developments and achievements in the related fields.
- b) To review the status of knowledge and practices being adopted at regional and global levels in the field of Fermentation, Enzyme Technology & Bioprocess Engineering.
- c) To identify long term challenges in the area of computer & Electronics in Biotechnology, Software tools/Bioinformatics, Medical Sciences, Bio-waste management, Bio-safety and Bio-ethical issues & Quality Assurance Techniques in Biotechnological Industry along with Nanotechnology in Biotechnology
- d) Knowledge transfer to ensure the Food Security and Value addition through Food production and Processing using Bio-technological options.
- e) To harness and promote the international partnership among Biotechnologists, Food Technologists, Pharmacists & Agricultural Scientists to promote collaborative efforts in this direction.

CONFERENCE THEMES:

The conference is proposed to cover the following areas. Contributors are requested to focus their intended presentation from among the following themes and related topics.

FOOD/AGRICULTURAL BIOTECHNOLOGY

1. Biotechnology and Plant Breeding for food security and bioenergy, Seed Chain
2. Livestock breeding and biotechnology for production for milk, meat and other by products , animal husbandry , feed , and health aspects
3. Bio-Nano-biotechnologies towards maximizing input use efficiency, physiological efficiency in crop production , agro-horticulture, agro-forestry
4. Plant- microbe interactions towards yield and food quality; Bio-Eco- Organic farming,
5. Crop tolerance to biotic and abiotic stresses towards yield, wheather resilient crops and climate smart agriculture.
6. Application of Biotechnology in Food Processing, preservation, value addition and food safety, post harvest management of foods, fruits, vegetables and milk products
7. Application of Tissue culture, Genomics, Transcriptomics, Omics, Metabolomics and GMOs in crops and animals.

MEDICINAL/PHARMACEUTICAL BIOTECHNOLOGY

1. Role of Biotechnology in the field of Medical Sciences and pharmacy
2. Role of biotechnology in production of vaccines, antibiotics, and biomolecules
3. Biowaste management, Biosafety and Bioethical issues
4. Nutraceuticals and other food supplements
5. Diseases, Pests and reproductive systems diagnostic

MICROBIAL/INDUSTRIAL BIOTECHNOLOGY

1. Quality Assurance Techniques in Biotechnological, Food and Pharma Industry.
2. Advances in the field of Fermentation, Enzyme Technology & Bioprocess Engineering.
3. Biofortification, industrial processing and end use Quality
4. Bio-nano technologies in biomolecules, food, industrial manufacture, environment and health sectors
5. Agri-bio-waste management for Bio- energy sources, Biofuels/Biogas , Vermicompost
6. Role of microorganisms in fermentation and industrial Biotechnology , Biofertilizers

ENVIRONMENTAL BIOTECHNOLOGY

1. Environment pollution and pollutants in food chain,
2. Environmental pollution targeting underground water and aquatic ecology
3. Food adulteration diagnostic bio kits
4. Role of biotechnology in Phytoremediation: soils, water, air pollution
5. Role of biotechnology in bioremediation: soils, water, air pollution
6. Sustainable development towards the environmental protection using Biotech tools

TECHNOLOGY AND SOCIO-ECONOMIC ASPECTS

1. Applications of Computer and Nano Technologies, Bioinformatics towards food security and post harvest management
2. Value Added Foods for domestic and export markets , International and regional cooperation
3. Enabling policies for local, national and global food security
4. Ethical issues related to Biotechnology and Biosafety regulations
5. Patents and farmers rights
6. GMOs: acceptance in rural and urban settings.

TENTATIVE PROGRAMME:

February 18, 2016: Registration, Inauguration, Key note addresses, Technical Sessions, Cultural Program

February 19, 2016: Key Note Lecture followed by technical sessions; Oral and Poster presentations, Excursion.

February 20, 2016: Key Note Lecture followed by technical sessions; Oral and Poster presentations, Panel Discussions & Valedictory Function

REGISTRATION FEES:

Till January 15, 2016:

Delegates (Indian)	:	INR 3000=00	Foreign delegates: Euro150=00
Persons from Industry	:	INR 3500=00	
Students	:	INR 1500=00	

After January 16, 2016 & Spot Registrations:

Delegates (Indian)	:	INR. 3500=00,	Foreign delegates: Euro 200=00
Persons from Industry	:	INR 4500=00	
Students	:	INR 1800=00	

The registration fee includes the Lunch, Session Tea, Conference Kit, Abstract Book, Conference Dinner and Excursion. Payment of registration fee should be made through bank demand draft or pay order drawn in favour of: "Organizing Secretary, ICNABB-2016" payable at Agra.

ACCOMMODATION:

Accommodation for outside delegates may be provided on payment basis in hotels. The tariffs are as follows:

PER DAY CHARGES:

Dormitory	:	INR 500 (Non A/C)
Twin sharing	:	INR 1200 ~ 1500=00 Per Person
Single/ Twin sharing Room	:	INR 3500 ~ 4500=00 [Star Hotel Facilities]

Please note that Accommodation booking will be done only after the receipt of 100% payment in advance.

ABSTRACTS AND PROCEEDINGS:

- Maximum one page by 15th January, 2016
- Abstract/Paper of Registered Participants will be published.
- One registered delegate can present only one paper; however, he/she could be coauthor in more than one paper
- All accepted and presented contributions will be edited and published in the Proceedings of the Conference with ISBN number

POSTER PRESENTATION:

Posters (1x1.2 m) should include Title, Name and address of the Author(s), Short Introduction, Material & Methods, Results and Conclusions. There are awards for Best Poster Papers.

ABOUT THE INSTITUTE & THE AGRA CITY:

Agra, the former capital of Hindustan (India), is a city on the banks of the river Yamuna in the northern part of Uttar Pradesh, India. It is 200 kilometers south of the national capital New Delhi. It achieved much fame as the capital of the Mughal Empire from 1556 to 1658. It is a major tourist destination because of its many splendid Mughal-era buildings, most notably the Taj Mahal, Agra Fort , Sikandra and Fatehpur Sikri; all three of which are UNESCO World Heritage Sites. This Institute started in the year 1996 is presently imparting engineering education in the branches of Computer Science and Engineering, Electronics and Communication Engineering, Civil Engineering, Food Technology Chemical Engineering, Biotechnology, Electrical Engineering & Mechanical Engineering and Pharmacy and Architecture & Town Planning affiliated to Uttar Pradesh Technical University (UPTU), Lucknow. This Institute is approved by All India Council of Technical Education (AICTE, New Delhi) and offers under and post graduate courses. The Faculty of Pharmacy is approved by the Pharmacy Council of India and the Faculty of Architecture & Town Planning is approved by the Council of Architecture.

WEATHER AT AGRA:

February is moderately cold with night temperatures dropping around 10°C. Days are bright and cool. February is one of the best times for enjoying sightseeing and outdoor activities. Woolen apparels are recommended.

INDUSTRIAL SPONSORSHIP

Sponsorships are invited from Organizations and Industries to support various events in this International Conference.. Industry representatives and publishers will have the opportunity to exhibit their products, equipments, medicines, devices and publications respectively. The generous sponsorship will be highly appreciated

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Er. Sandeep Bhargava, CEO, One Cert Asia (P) Limited, Jaipur.

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CONTACT ADDRESS:

Please send registration form, registration fee through Bank Demand Draft, Pay Orders and a copy of your abstract as well as all other communications and inquiries to the:

ORGANIZING SECRETARY, INTERNATIONAL CONFERENCE SECRETARIAT

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ENTRANCE VISAS:

The Conference Secretariat will supply all registered participants with invitation letters for visa application by Indian embassies abroad.

REGISTRATION FORM

**International Conference on
NEW APPROACHES IN BIOTECHNOLOGY & BIOSCIENCES
“NABB-2016”
February 18-20, 2016 Agra (India)**

1	Name (in block letters)	
2	Position	
3	Mailing Address	
4	Phone & fax	
5	E mail	
6	Title of paper	
7	Registration Fee Amount and Pay order / Bank Transfer	No. Drawn on bank Date
8	Accommodation required	Dormitory: Single room Double room
9	Mode of Arrival: Train / Own car	
10	Arrival Time and Date	
11	Departure Time and Date	
12	Place & Date	Signature

Photocopy of this form may be used