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# National Symposium on Biodiversity and Natural Resources for Sustainable Development

&

37<sup>th</sup> Annual Session of the Academy  
of Environmental Biology

24-26 November 2017

Organized by

Department of Zoology

Chaudhary Charan Singh, University, Meerut-250 004, INDIA



## INVITATION

The Department of Zoology, C.C.S University, Meerut proudly announces the hosting of 37th Annual Session of the Academy of Environment Biology (AEB), India on its campus along with a the National Symposium on *Biodiversity and Natural Resources for Sustainable Development*. There will be Keynote Address, Plenary Lectures, Invited Lectures, Oral and Poster Presentations. Besides, there will be Award Session for Best Oral and Poster Presentations. Various Academy Awards, Medals and Felicitations will be conferred during the meeting.

It is hoped that during the proposed Symposium, there will be an opportunity of vibrant interaction between stalwarts of the field and young and budding researchers of our country who will be the future leaders of science in India.

Prof. A.K. Chaubey  
Organizing Secretary

### Brief Statement of the Event

Since life began on Earth, five major mass extinctions and several minor events have led to large and sudden drops in biodiversity. The Phanerozoic eon marked a rapid growth in biodiversity via the Cambrian explosion in which the majority of multi-cellular phyla first appeared. The next 400 million years included repeated, massive biodiversity losses classified as mass extinction events.

The period since the emergence of humans has displayed an ongoing biodiversity reduction and an accompanying loss of genetic diversity. Biodiversity impacts human health in a number of ways, both positively and negatively. Biodiversity's relevance to human health is becoming an international political issue, as scientific evidence builds on the global health implications of biodiversity loss. This issue is closely linked with the issue of climate change, as many of the anticipated health risks of climate change are associated with changes in biodiversity. Some of the health issues influenced by biodiversity include dietary health and nutrition security, infectious disease, medical science and medicinal resources, social and psychological health. Biodiversity is also known to have an important role in reducing disaster risk and in post-disaster relief and recovery efforts. Many industrial materials derive directly from biological sources. These include building materials, fibers, dyes, rubber and oil. Biodiversity is also important to the security of resources such as water, timber, paper, fiber and food. As a result, biodiversity loss is a significant risk factor in business development and a threat to long term economic sustainability

In 2004, an international collaborative study on four continents estimated that 10 % of species would become extinct by 2050 because of global warming. In 2006 many species were formally classified as rare or endangered or threatened; moreover, scientists have estimated that millions more species are at risk which has not been formally recognized. About 40 percent of the 40,177 species assessed using the IUCN Red List criteria are now listed as threatened with extinction—Some of the factors like - Habitat destruction, Invasive species, Pollution, human over-Population and Over-harvesting. Habitat destruction has played a key role in extinctions, especially related to tropical forest destruction. A recent study predicts that up to 35% of the world terrestrial carnivores and ungulates will be at higher risk of extinction by 2050 because of the joint effects of predicted climate and land-use change under business-as-usual human development scenarios. The desirable end result is a state of society where living conditions and resource use continue to meet human needs without undermining the integrity and stability of the natural systems.

Keeping in view, the National Symposium on Biodiversity and Natural Resources for Sustainable Development during 24-26 November 2017 is being organized on the following themes:

- Agronomy for Sustainable Development
- Biodiversity and Economic Sustainability
- Conservation Biology and Development
- Defaunation and Ecological Diversity
- Deforestation and Biodiversity
- Ecological Economics
- Education for Sustainable Development
- Environmental Legal issues & Sustainable Development
- Functional Diversity
- Gene banks, Genetic and Molecular Diversity
- Green Development
- Health and Sustainable Development
- Indigenous Ways and Approaches to Sustainable Development
- Measurement of Biodiversity
- New Technologies and Solutions for Development Practice
- Nematode and Pest Management
- Renewable and Non-renewable Resources
- Social Sustainability
- Sustainable Consumption and Production
- Sustainable Development Challenges in Urban Areas
- Sustainable forest and Land Management
- Sustainable Use of Water Resources and Aqua farming
- Sustainability Entrepreneurship
- Tools and Technology for Sustainability Agriculture and Health

## Academy of Environmental Biology

The Academy of Environmental Biology was established in 1978, registered under Societies, Registration Act 1860, is an autonomous organization espousing scientific, technological, practical interests in the fields of science and technology, environmental pollution, occupational health and toxicology. It is a forum where scientist and young researchers interact once in a year in an effort to review and update their research, to explore research priorities, to discuss strategies, to prevent further deterioration of environment, to identify areas of collaboration and to provide inputs to the governmental agencies for the safeguarding the ecosystem and human health. There are more than a thousand active members of the academy R & D has been expedited in K.S Institute of Research Training, Lucknow The Academy patronizes Journal of Ecophysiology and Occupational Health (ISSN-0972-4397) and honours and felicitates scientists and academicians for their contribution by conferring Fellowship, Awards Medals and Citations.

### The Host Department

The Department of Zoology was established in October, 1977 to impart advance and applied education at M.Sc. & M. Phil. & Ph.D level. Professor S. Khera was the founder Professor and Head of Department. Presently Prof. H.S. Singh, Prof. S.K. Bhardwaj; Prof. A.K. Chaubey; Dr. Y. Verma and Dr. D.K. Chauhan are the faculties in the department. Besides Prof SS Lal, Prof KC Pandey and Prof KB Singh have been appointed as Prof. emeritus by the CCS University. The University Grants Commission selected the department for Special Assistance in 2004 under its Innovative Assistance Programme in Toxicology to impart education in toxicology at M. Sc. level and since then the programme is continued.

Faculty members of the department have well equipped sophisticated instruments with independent research laboratories viz. Molecular Taxonomy, Nematology, Chronobiology, Toxicology and Immunotoxicology.

### Call for Abstracts

Abstracts, not exceeding 250 words, on A-4 size papers (MS-Words, Time New Roman font, letter size 12 with 1½ spacing) must be sent to the Organizing Secretary on or before October 24, 2017 electronically on [bnrsd2017@gmail.com](mailto:bnrsd2017@gmail.com) and [swastikent2001@gmail.com](mailto:swastikent2001@gmail.com)

Posters: The size of the poster shall be 75cm x 100cm with briefly showing Title, Methodology, important Results (along with not more three tables/figures/photographs) and bulleted Summary. The poster shall be made attractive preferably on a single sheet with appropriate colour scheme so that the content is readable from a distance of at least one meter.

### Moti Lal Dalela BRP Gold Medal Competition

To emerging Young researchers, below the age of 32 years (proof of age to be furnished), selected for best oral presentation shall be awarded by a certificate of Honor & Medal by the Academy of Environmental Biology. The candidates have to prepare their presentation strictly for 10 minutes.

### REGISTRATION FEE

All participants are required to register for the conference. The details of the Registration fee\* are as follows:

Delegates Non Member AEB	:Rs. 4000/- only
Member of AEB	:Rs. 3500/- only
Students Delegates	:Rs. 1500/- only (Certificate from supervisor/head needed)

The registration fee will cover local hospitality and conference material. The fee may be sent by Demand Draft drawn in favor of Organizing Secretary, BNRS-2017 payable at Meerut along with the Registration Form latest by 24 October 2017.

\*An addition of Rs. 500/- will be charged for late or on spot Registration.

### Transport

Meerut is well connected from the Metropolitan cities via Delhi (65 Km) by Rail, and Road. Frequent bus service from ISBT, New Delhi is available for Meerut.

### Accommodation

Accommodation to the registered delegates will be provided in the University Guest House and other Govt. Guest Houses at nominal rates. Student delegates shall be accommodated in hostel free of cost. Those who are interested to stay in hotels can write in advance to Organizing Secretary or Contact at {09412083781, 7455023109 (M), 0121-2604679 (O)}. The tentative tariff for various hotels in the city is as follows:

Name of the Hotel	Cost (INR)
Rajhans Residency	3000/-
Samrat Heavens	3200/-
Crystal Palace	3800/-
Harmony Inn	4000/-

During November, the weather is pleasant however temperature varies from 15 to 22oC. Light woolen cloths are advised.

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Natural Resources for Sustainable Development  
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37<sup>th</sup> Annual Session of the Academy of Environmental Biology*

**24-26 November 2017**

**Registration Form**

Name: .....

Designation: .....

Address: .....

.....

Phone:.....

E-mail: .....

Title of the Abstract:.....

.....

Abstract of the paper sent on.....

Mode of Journey:.....

Time ..... Date

Arrival:.....

Departure:.....

Payment details:

Registration Fee: .....

Name of the Bank .....

DD Number/Electronic Transaction Detail:.....

Date: .....

Accommodation desired: Hotel /Guest House/Hostel

Place: .....

Date: ..... Signature

Correspondence is addressed to:  
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