

*National Conference*  
On  
**Biodiversity, Ecosystem and Climate Change**  
**NCBECC 2019**

5<sup>th</sup> April 2019



**KNOWLEDGE PARTNERS**

- Innovation Business Development, Inc. (IBD)
- Indian Association for Hydrogen Energy and Advanced Materials (IAHEAM)
- Institute for Research and Development India (IRD)
- The Biotech Research Society, India (BRSI)

**PUBLICATION PARTNER**

- International Association of Scientific Innovation and Research (IASIR - USA Journal)

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*Organized by*



**CSI COLLEGE OF ENGINEERING**

(Church of South India, Coimbatore Diocesan Council)

Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi

**Venue : CSI COLLEGE OF ENGINEERING**



## BACKGROUND NOTE

*Look after nature, so it can look after you...*

Climate is an important environmental influence on ecosystem, ecosystem services and biodiversity. Climate change not only affects ecosystems and species directly, it also interacts with other man made stresses such as innovation, development and landscape changes. Although some stresses cause minor impacts when acting alone, their persistent and cumulative impact may lead to revolutionary ecological changes and imbalances. Climate change affects the living world, including people, through changes in ecosystems, biodiversity, and ecosystem services. Therefore, climate change is both a cause and an effect of ecosystem, ecosystem services and biodiversity changes.

*"Humans are affecting nature in an unprecedented fashion, on a global scale, and with unpredictable and frequently irreversible results... Human activities are currently responsible for a species loss rate that is the most extreme in millions of years, and an alarmingly increasing rate of transformation and fragmentation of natural landscapes..."*

Impacts of climate change on ecosystems reduce the ability to improve water quality and regulate water flows. Rapid changes to ecosystems may cause the displacement or loss of many species. Timing of critical biological events is shifting, affecting species and habitats. Ecosystem perturbations driven by climate change have direct human impacts, including reduced water supply and quality, the loss of iconic species and landscapes, distorted rhythms of nature, and the potential for extreme events to overwhelm the regulating services of ecosystems. Even with these well-documented ecosystem impacts, it is often difficult to quantify human vulnerability that results from shifts in ecosystem processes and services.

Thus, this conference on 'Biodiversity, Ecosystem and Climate Change' is hoped to facilitate an integrated look at the question of how climate change is affecting biodiversity, ecosystem and ecosystem services and its implications to humans and all living things, and possible responsive adaptation strategies. The deliberations during this conference are expected to bring out a wide range of solutions for sustainable conservation goals.

## CONFERENCE THEME

Scientific research advances are helping us to understand the countless ways in which natural systems support our own prosperity and well-being. The research outcomes have shocked everybody, disclosing the cause and effect of climate change and its impact on biodiversity, ecosystem and ecosystem services. Biodiversity, Ecosystem and climate change is the conference theme as this is the most significant area that impacts every individual, the society and the economy. The conference deliberations shall include all research areas within and associated with the conference theme.

## CONFERENCE OBJECTIVE

The primary objective of this conference is to derive response and adaptive strategies to achieve conservative goals for a healthy social growth; bring out constructive suggestions to people and policy makers so as to ensure that there is harmony between humanity and nature so that both are able to thrive.

## CALL FOR PAPERS

Students (Graduates & post graduates), research scholars (M.Phil. & Ph.D), academicians, scientists and industry practitioners' from all faculties are invited to participate and present their research papers on the theme of this conference.

## CATEGORIES OF RESEARCH PAPERS

### Academic Papers

Academic research papers shall be either conceptual or empirical. The length of the paper shall be around 7000 words excluding acknowledgements and bibliography.

**Conceptual research papers** should be comprehensive in nature and bring out new theoretical perspectives on the theme or sub-themes as listed in the previous section.

**Empirical research papers** should include substantial review of past literature; justify the need and importance of the study, the developed hypothesis and research design, data analysis and findings of the research. The paper should elaborate on theoretical and practical implications of the findings and the scope for further research in the area of discussion.

### Ph.D / M.Phil. Research in progress

Research scholars pursuing M.Phil./Ph.D and who wish to present their research work shall do so as 'research in progress'.





## SUBMISSION OF ABSTRACT

An abstract in around 200 words is to be submitted that shall include a summary of all the contents in the research paper and the process adopted by the researcher to conduct the study. Every abstract should include the title of the research paper, followed by the name of the author(s). Below the abstract, 5 to 7 key words are to be included. In the foot note, the author(s) affiliations are to be included. The abstract must be limited to a maximum of one A 4 page. **All abstracts are to be emailed to: nbecc.hillgrove@gmail.com**

## SUBMISSION OF FULL PAPER

Once the abstract qualifies in the review process, authors will be communicated about the submission of their full paper. Upon the receipt of the full paper, the paper will be tabled for peer review and tested for plagiarism. Qualifying papers will be selected for presentation during the conference and publication thereafter. After which, the author(s) will be communicated about the final registration with the payment of applicable registration fee. Authors of selected papers are required to submit a declaration with regard to originality of their work and plagiarism. **All full papers are to be emailed to: nbecc.hillgrove@gmail.com**

## PREPARATION OF MANUSCRIPT (ABSTRACT & FULL PAPER)

The entire manuscript shall be prepared as per the guidelines below -

Paper Size	: A 4
Printing	: One Side
Font Style	: Times New Roman
Font Size	: Title – 14, Author(s) Name(s) – 10 Italics, Headings – 12 Bold, Sub-headings – 12, Body - 12
Spacing	: 1.5
Margins	: 1 inch on all 4 sides

Referencing is mandatory for research papers and shall be as per APA style of formatting (Ref. www.apa.org).

## PRESENTATION OF FULL PAPER

It is mandatory that at least one of the authors attend the conference in person and presents the paper. In case of M.Phil./ Ph.D. research in progress, the presentation shall be based on their research work as on date. In such cases, the rough draft of the research in progress is to be brought.

## AWARDS & RECOGNITION

All participants will receive a certificate of participation. Best three research papers will be awarded with certificates of achievement and cash prizes. Selected research papers will be published in the proceedings and in a reputed journal with ISSN and impact factor. The conference organizers shall hold the first right to publication of all the selected papers.

'Research in progress' of M.Phil./ Ph.D. research works are eligible for the award of most contributing research work and a certificate of contribution will be awarded. This forum shall also add value to the research in progress of the scholar.

## IMPORTANT DATES

Last date for the submission of abstract	5 <sup>th</sup> January 2019
Intimation of accepted abstracts	5 <sup>th</sup> January 2019
Last date for the submission of full paper	15 <sup>th</sup> March 2019
Intimation of accepted full papers	15 <sup>th</sup> March 2019
Last date for the payment of registration fee	25 <sup>th</sup> March 2019
Conference	5 <sup>th</sup> April 2019

## CONFERENCE REGISTRATION

It is mandatory for every author to register along with the applicable registration fee. The registration fee for various categories of contributors is furnished below:

Participant Category	INR
Graduate Students	400
Post Graduate Students	600
Research Scholars (M.Phil./ Ph.D.)	1000
Academicians	1500
Industry Practitioners	1500

The registration fee includes a conference kit, conference proceedings, refreshments and working lunch on the day of the conference.

## PAYMENT OF REGISTRATION FEE

1. By DD: To be drawn in favor of "HILLGROVE RESEARCH PVT LTD" payable at Coimbatore.
2. By Internet Banking : "HILLGROVE RESEARCH PVT LTD", State Bank of India, Narasimanaickenpalayam Branch, A/c No. 35495376048, IFSC - SBIN0008155



## ABOUT THE CONFERENCE ORGANIZERS

### CSI College of Engineering

The CSI College of Engineering is approved by AICTE, New Delhi and the Government of Tamil Nadu. The college is affiliated to Anna University, Chennai. This college seeks to impart value based Technical Education to its students in order to meet the growing needs of such Technocrats and Entrepreneurs required in industries and business establishments. The college is a self-financing institution, offering degree courses at graduate and postgraduate level in different disciplines of Engineering Sciences. This college was founded by the Church of South India, Coimbatore Diocesan Council which is a pioneer in running educational institutions, from pre-primary to post matriculation and post-graduate levels, all known for their academic standards and discipline.

### HILLGROVE Research Pvt. Ltd.

HILLGROVE Research Pvt. Ltd. was incorporated with the long-term vision of its founders to contribute and promote research in the areas of Agriculture, Engineering, Science and Technology, Business and Management, and Innovation among others. To achieve its aim, the company fosters advocacy programs, capacity building workshops, training, technical education, rural entrepreneurship and literacy. For more details please visit our web site – [www.hillgroveresearch.com](http://www.hillgroveresearch.com).

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## ABOUT NILGIRIS

The Name 'Nilgiris' phenomenal with Blue hills (Neelam - Blue and giri - Hill or Mountain) the first mention of this name has been found in the Silappadikaram. Nilgiris is located at the tri-junction of Tamilnadu, Kerala and Karnataka. Nilgiris is a part of the Western Ghats. Ooty the "Queen of Hills", Coonoor 19 kms from Ooty and Kotagiri 31 kms from Ooty, are the three hill stations of this district. Nilgiris is India's first biosphere. It has been declared as one of the 14 'hotspots' of the world because of its unique bio-diversity.

Rolling grasslands, dense forests, waterfalls, streams, lakes, vast expanse of tea plantations, interspersed with vegetable gardens, spectacular view points, an amazing variety of flora and fauna, fabulous trekking trails, innumerable heritage sites, spell binding sunrises and sunsets, magical light, pollution free atmosphere, mist, clouds, fog, star studded skies, serenity etc. are some of the many admirables of the Nilgiris. Nilgiris presents a truly breathtaking kaleidoscope of visual treats and soul stirring experiences and when you come.... You will experience it.....!