

UGC Sponsored  
One Day National Workshop on

**TRENDS IN CLIMATE CHANGE IN  
VIEW OF STATISTICAL SCENARIO  
(TCSS-2020)**

29<sup>th</sup> February, 2020

Organised by

Department of Botany, Zoology, Microbiology,  
Mathematics, Physics, Chemistry and Statistics  
P.V.K.N. Govt. College (A), Chittoor- 517002  
Andhra Pradesh

**REGISTRATION FORM**

Name:.....

Designation : .....

Department :.....

Institution Address:.....

.....

.....

Phone:.....

Email:.....

Registration fee details:

Date:

Place :

Signature

**Registration Fee**

It is proposed to collect  
Registration fee as follows:

For Delegates and Faculty :Rs 300/-  
For Research scholars :Rs 200/-  
For students :Rs 100/-

**CO-CONVENERS**

1. Dr. B. Annapoorna Sarada, In-charge, Dept. of Physics
2. Sri B. Ramesh Chandra Babu, In-charge, Dept. of Mathematics
3. Dr. B.Purushotham, In-charge, Dept. of Zoology
4. Dr. K. Ushasri, In-charge, Dept. of Microbiology
5. Dr. T. Gangaram, In-charge, Dept. of Statistics
6. Dr. T. Hari Babu, In-charge, Dept. of Chemistry

**Date & Venue**

29<sup>th</sup> February 2020,  
Auditorium, P.V.K.N. Govt. College (A),  
Chittoor, Andhra Pradesh

**TARGET AUDIENCE/PARTICIPANTS WITH EXPECTED NUMBER**

This workshop is designed for all

- (i) Faculty working in Govt. Degree Colleges.
- (ii) Faculty working in Aided & Unaided Degree Colleges
- (iii) Faculty working in Junior Colleges
- (iv) Research scholars pursuing research in Botany, Zoology, Microbiology, Mathematics, Physics, Chemistry, and Statistics
- (v) UG and PG Students of Concerned Departments.

**EXPECTED OUTCOME**

The workshop enlightens the scientific world to take the meaningful decisions based on the present day scenario by combining the developments of science and technology. It is also recommended to maintain friendly relationships with neighbouring states and countries in view of environment and climate.

**ORGANIZING COMMITTEE**

Dr. A. Jayasankar, Assistant Professor, Zoology  
Dr. V. Munaiah, Assistant Professor, Statistics  
Sri T. Raghuraman, Assistant Professor, Physics  
Dr. Mohano Behara, Assistant Professor, Botany  
Dr. L.Md. Bhakshu, Assistant Professor, Botany  
Smt. M. Hemalatha, Assistant Professor, Botany  
Dr. A. Sasikala, Assistant Professor, Botany  
Dr. P. Sujana, Assistant Professor, Botany  
Dr. Y. Vyshnavi, Assistant Professor, Chemistry  
Sri A. Ramesh, Assistant Professor, Chemistry

**ALL COMMUNICATION SHOULD BE ADDRESSED TO**

Dr. C. MEERA SAHEB, In-charge, Dept. of Botany  
Convener, National Workshop on TCSS-2020  
Department of Botany, P.V.K.N. Govt. College (A), Chittoor-517002  
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ज्ञान - विज्ञानं विमुक्तये



**PVKN GOVT. COLLEGE (A), CHITTOOR**

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Affiliated to Sri Venkateswara University, Tirupati

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Andhra Pradesh

Chief Patron

Dr. G. ANANDA REDDY

Principal, PVKN Govt College (A),  
Chittoor, Mob: 9440088450

Convener

Dr. C. MEERA SAHEB

Assistant Professor  
Department of Botany

Mail id: cmeerasaheb@gmail.com

We take immense pleasure in inviting you for National workshop on **"TRENDS IN CLIMATE CHANGE IN VIEW OF STATISTICAL SCENARIO" – (TCSS-2020)**. This multidisciplinary National workshop is being organized to understand, exchange and disseminate the ideas relating to the climate change in view of statistical approach with the aim of understanding and consequences of climate change like Global warming, Bio remediation Disasters, Agriculture and food security, Energy security, Role of information technology in climate change, migration and conflicts and role of human values.

#### **SIGNIFICANCE OF THE WORKSHOP**

Climate varies on many time scales. For example, a wet month may be followed by a dry month, and a mild winter may be followed by a very cold one. There are also variations on longer time scales of decades, centuries and beyond. We know from geological records that on time scales of hundreds of thousands of years climate has swung between glacial ("ice-age") periods interspersed with milder ("inter-glacial") periods.

We know that many of the variations in climate arise naturally from processes in the atmosphere, in response to changes in the ocean, or as a result of other interactions in the "Earth system".

It is very essential and urgent need to understand how and why the climate varies naturally and how human activities have affected climate. It is also a point for discussion for improving the present day scenario to mitigate the harmful effects on climate.

Most of the agreements are legally binding for countries that have formally ratified them such as the Kyoto Protocol. Several hundred international environmental agreements exist but most link only a limited number of countries. These bilateral or sometimes trilateral agreements are only binding for the countries that have ratified them but are nevertheless essential in the international environmental regime.

It is clear from research carried out by many climate scientists around the world that emissions of greenhouse gases are causing the world to warm, and that the resulting changes in

climate are likely to have serious consequences for future food security, water resources, health and biodiversity.

Scientists also know that climate is being affected by other human activities, such as emissions of air pollution and changes in land use.

A key challenge now is to understand how climate is changing, and will change, in particular countries, regions and localities. We need to know not only how temperatures are changing but also about other aspects of climate such as rainfall and storms. This information is needed to the governments to take policy changes for betterment of environment.

Climate scientists use their understanding of the processes that govern climate to develop computer based climate simulators including satellite surveillance. These climate simulators are used to investigate how climate may evolve in the future.

Rising greenhouse gases are already increasing the risks from some extreme events, such as heat waves and heavy rainfall, continuous drought and the risks are set to rise further in the future. It is these kind of extreme events that often have the largest impacts. The scientists are working to improve understanding and prediction of extreme "high impact" events, and their effects.

The present event focuses on the enlightenment of various environmental concerns and to recommend the possible mitigation methods to improve the global climate and its consequences. The workshop mainly proceeds with the following themes.

#### **THEMES**

1. Global warming
2. Bio-remediation
3. Natural calamities
4. Agriculture and food security
5. Augmentation of Swatchatha programmes
6. Energy security
7. Environment and Health
8. Role of information technology in climate change
9. International well being and conflicts

10. Role of sciences in measuring and mitigation of climate changes

11. Human values in view of sustainable development

#### **OBJECTIVES**

The proposed one day National workshop on "Trends in Climate Change in view of Statistical Scenario" is designed to provide the participants with an understanding of consequences of climate change like Global warming, Bio remediation Disasters, Agriculture and food security, Energy security, Role of information technology in climate change, Migration and conflicts and role of human values.

#### **ABOUT THE COLLEGE**

P.V.K.N. Govt. College was established in 1961 in Chittoor, Andhra Pradesh with Arts and Science groups. The college was located in the midst of 112 acres of land surrounded by the hillocks in the serene atmosphere. In its long journey in pursuit of achieving excellence, the college has been re-accredited by NAAC with A grade (III cycle) in March 2017 and conferred Autonomous status in August, 2018 by UGC. This college has been identified as a Nodal college for the Chittoor district. Jawahar Knowledge Center was established in order to train the students in employment skills. Since its inception, thousands of students have acquired jobs in Government sector and prestigious MNC's like TCS, INFOSYS, WIPRO, MAHINDRA, STAYAM etc. During its 58 years of legacy, PVKN. Govt. College has crossed several milestones. Today this shrine of learning has 26 departments with spacious classrooms, well stocked library, well equipped laboratories and Wi-Fi enabled campus. The College received "Swatcha Kalasala Award-2019" from the AP State Government.

#### **ABOUT CHITTOOR TOWN**

Chittoor town has become a hub for pilgrim activity, because of its proximity to Kanipakam (10 km) the abode of Lord Varasiddi Vinayaka, Ardthagiri (20 km) the abode of Lord Anjaneya, Sripuram (Vellore, Tamil nadu 30 km) the abode of Amman Golden temple, Walaja (40 km) the abode of Dhanvantari temple and above all Tirumala (70 km) the Lord of Seven hills, Sri Venkateswara swamy.