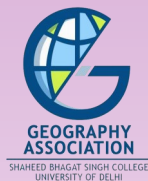


**INTERNATIONAL CONFERENCE
ON
WATER, FOOD AND NUTRITION SECURITY
FOR HEALTH AND WELLBEING**

December 13-14, 2021



Organised by

**Department of Geography
Shaheed Bhagat Singh College
University of Delhi
India**

CONCEPT NOTE

Water, food and nutrition are basic necessities of life and are fundamental to food security. Entire human civilisation depend on water to sustain their livelihood. Food and nutrition has always remained the integral part of health and wellbeing. Hence water, food and nutritional security for health and wellbeing is crucial for sustainable living. As mentioned by FAO, water is the key ingredient to food security, lack of it can be a major cause of famine and under nourishment. Knowing food composition is also important from the nutritional and health point of view. Understanding of macro and micro nutrition has become very crucial to be in good state of physical and mental health. Apart from that we also need to understand nutritional requirement based on age, gender, occupation etc.

Covid-19 pandemic has highlighted many problems pertaining to access to clean water, food, nutritional security, health and wellbeing. which is confronted by a large number of people, particularly in rural areas and migrant labourers (reverse migration from the cities). So the physical, social and economic access to safe- sufficient food and water is imperative for healthy life. Rising global population, incomes, and urbanization are driving strong and diversified growth in food and water demand. Intensified competition for water within various economic sectors like agriculture, domestic, industrial and commercial uses have worsened the situation. The global population is projected to reach 9.8 billion by 2050, with by far the largest growth occurring in Africa and South Asia, where food security problems are the most severe.

The rising incomes and urbanization will increase the demand for meat and nutritious diets—which will increase demand of water for livestock feed, fruits and vegetables. Therefore, it is important to explore different dimensions of water and food like sanitation, socio-economic aspects of households, agricultural distress, inadequate distribution of food, overpopulation, poverty, hidden hunger, lack of education, gender inequality, political conflicts etc. Enabling farmers to overcome temporary COVID-related constraints, developing ICT, implementing smart agriculture, addressing under nourishment, optimising the use of water, and improving water infrastructure etc. are some of the challenges which world is facing and require utmost importance.

The Sustainable development goals of the United Nations i.e. zero hunger (goal no.2), good health and wellbeing (goal no.3) and clean water and sanitation (goal no. 6) are important goals to be achieved by



the year 2030. To achieve these objectives requires addressing a host of issues related to agricultural production, controlling environmental threats like climate change, increasing innovation through public-private partnerships and reducing poverty.

Climate Change is another important aspect which affects availability and accessibility of food and water. The projected increase in temperatures, changes in precipitation patterns, changes in extreme weather events like floods-drought, and fluctuations in water availability may affect the food system. Climate change would adversely affect available resources, efficiency and productivity of various sectors. Rising temperature can modify patterns of migration for many pests and diseases. Extreme weather conditions will also alter geographical distribution of food and water borne illnesses, infectious diseases and threat to mental health. Health impacts may also comprise gastrointestinal disease like diarrhoea, weaken nervous and respiratory systems, cardiovascular system, liver and kidney damage etc. Therefore, we need holistic approach to address the issue of food and water security for improving overall quality of life. There is the requirement of incorporating new methods and approaches to decisively end hunger, water scarcity and nutritional deprivation.

Policies and investments are required to overcome associated challenges related to food and water security worldwide and more specifically in countries of Africa, Asia, Latin America and Caribbean, where world's poorest population is concentrated. We know food insecurity is most often entrenched in poverty. It decreases the capability of countries to develop their agricultural markets and economies. Access to safe and sufficient quality and quantity of nutritious food is fundamental to human existence. Economic growth and job creation can lead to secure and stable access to food which in turn would lead to positive health impacts and wellbeing. Hence, water, food, nutrition, physical and mental health all require major attention globally. Thus responding to the emerging food and water crisis in covid and post covid world is the need of the time.

The conference aims to highlight the challenges linked to water, food, nutrients security to achieve health and wellbeing. This conference also intends to give platform for the discussions on various conceptual approaches, tools to bridge theory and practice as well as highlight innovations in Water, Food, Nutritional Security for Health and Wellbeing. It also aims to explore how we can improve resilience against weather variability and secure food and nutrition pathway. It highlights health issues as a major concern for the world as there is an urgent need for a safe and clean environment that allows us to stay healthy.



Sub Themes:

- * Water security
- * water conflicts
- * Water, sanitation and health
- * Food and nutrition security
- * Agriculture, livelihood and food security
- * Urban and rural food security
- * Poverty and food security
- * Public distribution system and security net programs
- * Political dimension of hunger
- * Programmes, policies related to water, food and nutrition security
- * Gender and vulnerability in the food system.
- * Climate change and agriculture
- * Climate change, water and food security
- * Climate change and health
- * Pandemic water safety and security
- * Pandemic, nutrition and food security
- * Food, nutritional security and human health nexus
- * Water security and human health nexus
- * Health, wellbeing and sustainable living
- * Health security and global health threats
- * Food habits, food industry and food system

ABOUT THE HOST ORGANIZATION

SHAHEED BHAGAT SINGH COLLEGE, UNIVERSITY OF DELHI

Shaheed Bhagat Singh College, named after the great martyr of India, Shaheed-e-Azam, Sardar Bhagat Singh, was established as a co-educational institution in 1967 as a constituent college of University of Delhi. The College takes pride in having accomplished faculties in eight departments including Geography. The college is fully equipped with digital library, computer labs and Geography lab with latest GIS and Remote Sensing equipment's and impressive infrastructure. Over a period of fifty years, the college has distinguished itself in diverse academic and professional fields by providing a vibrant and intellectually stimulating academic culture and promoting independence of thoughts and visions.



ABOUT THE DEPARTMENT

The Department of Geography, Shaheed Bhagat Singh College is well known for its academic pursuit and excellence in University of Delhi and all over India. The department was established in 1969 and since then it has been nurtured by very renowned and pioneer Indian Geographers.

The founders of the Department laid a very strong foundation with their explicit knowledge and immense hard work. Presently, all the faculty members are specialists in various branches of the discipline of Geography and carry on several projects associated to UGC, ICSSR and other research organizations. It is because of the continuous efforts and progressive outlook of all, that the Department has acquired lot of prestige amongst other departments in the university. All the present faculty members are doctorates and technically well versed to provide an excellent academic environment to the students.

The Department of Geography has always committed for excellence. Along with the theoretical framework, the well-equipped laboratories facilitate the students to learn and enhance their skills through practical application in the fields of Cartography, Remote Sensing, GIS and GPS. The field trips and excursions conducted by the Department as part of academic curriculum enables the students to learn and acquire real knowledge about environment, society and culture thereby promoting the applied aspects and new age of learning in Geography that transcends the formal classroom sessions.

CALL FOR PAPERS

The Department of Geography, Shaheed Bhagat Singh College, University of Delhi invites all for paper and poster presentation. Intending authors are requested to submit their original research contribution in the form of abstract (not exceeding 250 words) to submit through the registration link on or before 30 September, 2021.

The abstract of the paper should be typed with 1.5 Space Times New Roman (12 Font Size) with title of the paper, name of the author(s), affiliation, email address. Author(s) will be informed by email about acceptance of their abstracts by 5th October, 2021. For any communication related to conference must have subject line as **ICWFNHW ABSTRACT**.

IMPORTANT INSTRUCTIONS FOR SUBMISSION OF FULL PAPER

- ◆ Full Paper should be submitted in softcopy. Paper must be in English language, font: Times New Roman, size 12 with 1.5 spacing only.
- ◆ Full paper must comprise of: Text limit: 5000- 6000 words, abstract and 4-5 Keywords to be mentioned in the beginning of the paper. Full paper must be submitted along with a certificate of originality (plagiarism report less than 10 %) via E-mail: geography@sbs.du.ac.in. For any communication related to conference must have subject line as **ICWFNHW FULL PAPER**.

- ◆ Illustrations / tables/map/photographs must be included in the paper and separately in jpg format. Figure no. and table no. should be clearly mentioned on it as referred in the text.
- ◆ Abstracts should not be more than 250 words and must be followed by five keywords.
- ◆ References must be in APA Format.
- ◆ Research papers should be submitted on or before 10th October, 2021.

GUIDELINES FOR POSTER PRESENTATION

An exclusive Poster Session will be held during the conference and participants will be given 5 minutes to present their poster.

AWARDS

Certificate will be awarded to the best paper presentation in each technical session and in poster session too.

IMPORTANT DATES

Submission of Abstract: 30th September, 2021

Notification of Acceptance of Paper Abstract: 5th October, 2021

Submission of Full Paper: 15th October 2021

Link for Registration: <http://bit.ly/internationalconference2021>

REGISTRATION FEES

RS. 500/- FOR INDIAN DELEGATES

\$ 50 - FOR FOREIGN DELEGATES

MODE OF PAYMENT

Participants are requested to register well in advance by sending duly filled registration forms along with electronic payment, (NEFT/RTGS/online transfer) paytm transaction slip. In case you face any problem uploading fee receipt at registration link, kindly email receipt at geography@sbs.du.ac.in, along with your credentials. Bank details of the college for electronic payment of registration fees:



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