



### ABOUT CCSHAU, HISAR

Chaudhary Charan Singh Haryana Agricultural University (popularly known as HAU) is one of the Asia's biggest agricultural university, located at Hisar in the North Indian state of Haryana. HAU was initially a campus of Punjab Agricultural University, Ludhiana. After the formation of Haryana in 1966, it has become an autonomous institution on Feb. 2, 1970 through a Presidential Ordinance, later ratified as Haryana and Punjab Agricultural Universities Act, 1970, passed by the Lok Sabha on March 29, 1970. It is named after India's seventh Prime Minister, Chaudhary Charan Singh. It is a leader in agricultural research in India and contributed significantly to Green Revolution and White Revolution in India in the 1960s and 70s, respectively. The university got appreciation in the shape of the Indian Council of



Agricultural Research (ICAR), Best Institution Award (1997) and **Sardar Patel Outstanding ICAR Institution Award (2016)** and one of the top ranked universities of ICAR (Ranking 2018). It has a very large green campus and has several research centres throughout the state.

### ABOUT NAHEP

NAHEP has been formulated by ICAR with a total cost of US\$ 165 million (Approx. Rs. 1100 crores). The project is proposed on 50:50 cost sharing basis between the World Bank and the Government of India, implemented by PIU-NAHEP, ICAR, New Delhi. Overall, the project aims to develop resources and mechanism for supporting infrastructure, faculty and student advancement, and providing means for better governance and management of agricultural universities, so that a holistic model can be developed to raise the standard of current agricultural education system that provides more jobs and is entrepreneurship oriented and on par with the global agriculture education standards.

### IDP-NAHEP-CCSHAU

CCSHAU, Hisar has been awarded the ICAR-NAHEP project entitled "Strengthening Institutional Capacity to Produce Skilled Professional for Market Driven Agriculture" funded by World Bank and GoI with worth of Rs. 24.83 crores in F.Y. 2017-18 under Institutional Development Plans (IDP) of National Agricultural Higher Education Project (NAHEP).

**Institutional Development Plan  
National Agricultural Higher Education Project  
CCS Haryana Agricultural University, Hisar**



## ONLINE SEMINAR

### SYNTHESIS OF CHITOSAN-BASED NANOPARTICLES

Dr. Ajay Pal has attended international training under Capacity Building Programme NAHEP-IDP from dated 20 April 2019 to 19 July 2019 (90 days), in the area of 'Nanotechnology' at Agriculture Victoria Research, Department of Jobs, Precincts and Regions, Horsham, Victoria, Australia



Research area: Synthesis of unloaded, single and double loaded chitosan nanoparticles (NPs) using copper (Cu), zinc (Zn) and salicylic acid (SA), release behaviors of the encapsulated components as the function of pH and time, and isolation and characterization of antimicrobial compounds.

**Speaker: Dr. Ajay Pal,  
Assistant Professor,  
Department of  
Biochemistry, CCSHAU Hisar**

**Date: 10:06:2020 at 01:00 pm**

**Interested participants can join at the link '[meet.google.com/oam-rjeg-dgf](https://meet.google.com/oam-rjeg-dgf)'**

#### CHIEF PATRON

**PROF. K. P. SINGH**

Hon'ble Vice-Chancellor, CCSHAU, Hisar  
IDP-CCSHAU, Team Leader

#### CO-PATRON

**DR. S. K. SEHRAWAT**

Director of Research  
PI, IDP-NAHEP

**DR. R. K. JHORAR**

Dean, COAE&T  
Co-PI, IDP-NAHEP

**DR. ASHA KAWATRA**

Dean, PGS  
Co-PI, IDP-NAHEP

**DR. MUKESH SAINI**

Assistant Professor, GPB  
Liaison Officer, IDP-NAHEP