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**Prof. Randy K. Avent**, President, Florida Polytechnic University, Lakeland, FL, USA  
**Dr. Hari Sen**, President, Managing Committee, M.L.S.M. College, Sunder Nagar, Mandi, H.P. India

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**Mr. Ajay Kapoor**, Principal, M.L.S.M. College, Sunder Nagar, Mandi, H.P. India

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**Dr. Rajeew Kumar**, Panjab University, Chandigarh, India  
**Dr. Chander Prakash Kaushal**, M.L.S.M. College, Sunder Nagar, Mandi, H.P. India

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**Dr. Sudhir Kumar Sharma**, M.L.S.M. College, Sunder Nagar, Mandi, H.P. India

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**Prof. Harish Kumar**, Panjab University, Chandigarh, India  
**Dr. Sandeep Kumar**, GJUS&T, Hisar  
**Dr. Aman Bhalla**, Panjab University, Chandigarh, India

### Student Volunteers

**Navneet Kaur, Bunty Sharma, Akanksha Sood**, Panjab University, Chandigarh

<http://greenchem.puchd.ac.in/>

**Supported by:**  
**University Grants Commission**



ज्ञान-विज्ञान विमुक्तये  
UGC

## INDO-US WORKSHOP

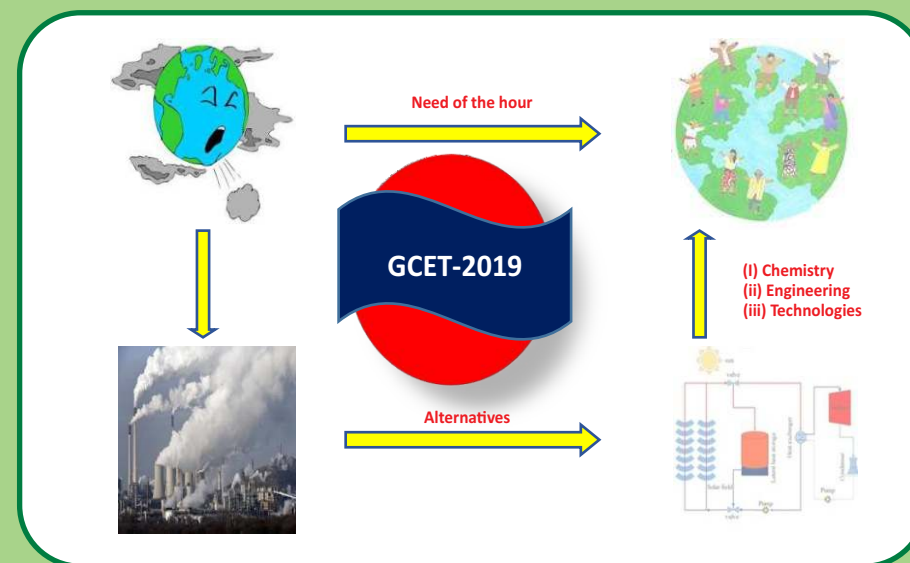
on

## “GREEN CHEMISTRY/ENGINEERING & TECHNOLOGIES”

### An Outreach Activity

### Under the aegis of “University Grants Commission”

### Indo-US 21<sup>st</sup> Century Knowledge Initiative



**Date: July 11, 2019**

**Venue: M.L.S.M. College, Sunder Nagar (H.P.)**

**Organized by**  
**Panjab University, Chandigarh, India**  
&  
**M.L.S.M. College, Sunder Nagar, Mandi (H.P.)**



## About the GCET-2019

This workshop aims to foster knowledge, research breakthroughs, international collaborations, and educate 21<sup>st</sup> century learners in advanced fields of Green Chemistry, Engineering and Technologies (GCET) for sustainable development. The scientific and technical sessions by distinguished scientists, engineers and industrialists from India and USA will be a platform to address global challenges in the field of GCET with the sole aim to facilitate exchange of expertise research, shared resources, industry and entrepreneurial portfolios, curriculum development, education and outreach activities. This outreach activity is aimed to kindle the spirit of responsibility in the budding minds of under-graduate students to innovate the ideas for solving serious global issue of polluted water remediation. New job-skills required in the today's machinery age were deliberated to the young minds and this program covered a wide range of interesting objectives relating to everyday life, fulfill the society needs and make a green and sustainable environment.

## About Indo-US 21<sup>st</sup> Century Knowledge Initiatives Partnership

Florida Polytechnic University, USA and Panjab University, India have developed the Indo-US partnership which was funded by UGC-USIEF to develop programs to foster the knowledge and research breakthroughs in Green Chemistry, Engineering and Technologies that will lead to environmental sustainability. An important component of this international exchange program is to educate our 21st century or millennial students with project based teaching and learning and prepare them for industry workforce and/or to opt for higher studies in academia.

## About MLSM College Sunder Nagar



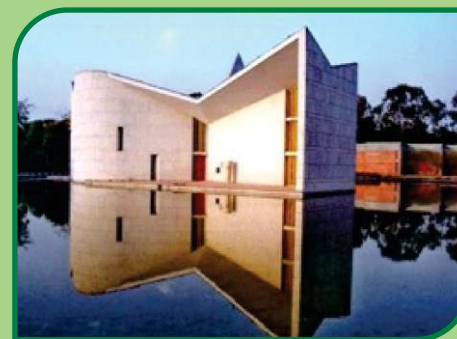
Maharaja Lakshman Sen Memorial (MLSM) College, Sunder Nagar is situated at the foothill of the Mahamaya Temple of Sundernagar, formerly the capital of princely state of Suket, of district Mandi, Himachal Pradesh at 31.53N and 76.88E. It was established in 1976 by the Late Raja Lalit Sen of Suket to honour the memory of his late father, Maharaja Lakshman Sen, by donating the palace building and the adjoining area of about 100 bighas of land and liberal donations for the furtherance of the spread of higher education in the State.

MLSM College, affiliated to the H.P. University, Shimla, is a prestigious post

graduate institution, imparting higher education to over 3,000 students from Himachal Pradesh and different parts of North India. This college comes under 95% Grant-in-Aid scheme and recognized by UGC New Delhi under section 2 (f) and 12 (B) of UGC Act 1956. The college started classes in Humanities in 1976. After that other faculties were added from time to time. At present, the college offers courses at undergraduate level in Languages, Humanities, Science and Commerce under 95% Grant-in-Aid scheme along with BBA, B.Ed., BCA, B.P.Ed., BPE and M.Sc.'s in Chemistry, Physics, Botany and Zoology under the self-financing scheme. Self-financing courses are run under the auspices of the Lalit Sen Institute of Business Education and Technology (LSIBET) within MLSM College. All the courses are affiliated to the H.P. University, Shimla. Over the years, this college has expanded and excelled in the spheres of academics, sports and cultural activities.

The college is one of the three constituent colleges of the Sardar Vallabhbhai Patel (SVP) Cluster University, coming up at Mandi (H.P.) with Vallabh Government College, Mandi as lead college.

## About Panjab University, India



With a tradition of excellence in diverse fields, Panjab University attracts faculty who excel at teaching and research. For more than a century, the University has inspired faculty and students with its 75 teaching and research departments and 15 Centers/Chairs for teaching and research. At the Panjab University Campus, the Indian Council of Social Science Research has set up its North-Western Regional Center, which runs a

library, a seminar complex and a guesthouse for visiting scholars under its study-grants program. Founded by Dr. S.S. Bhatnagar at Lahore in 1925, the prestigious Department of Chemistry has faculty who have been recognized with awards such as the Shanti Swarup Bhatnagar award, Jawaharlal Nehru fellowship, and Raman and Palit awards. Many faculty members are bestowed with F.N.A., F.A.Sc., F.N.A.Sc. The department has been selected by the University Grants Commission (UGC) COSIST and Special Assistance Program (SAP) and the Centre for Advanced Studies in Chemistry (CAS) for last 16 years. The Department of Science and Technology (DST), Government of India has accorded it the status of "DST-FIST Supported Department." The department has stimulating undergraduate and postgraduate teaching programs with frequent symposium, summer programs, and refresher and orientation courses for the benefit of talented students, as well as University, College and School teachers. The department is known for fully equipped research laboratories, including the state-of-the-art Central Instrumental Laboratory (CIL).