

# NEWSLETTER

Year 2020

Issue: January

Vol. : 02



## हरियाणा केन्द्रीय विश्वविद्यालय Central University of Haryana

(Established vide Act No. 25 (2009) of Parliament)  
(NAAC Accredited 'A' Grade University)

[www.cuh.ac.in](http://www.cuh.ac.in) | [@cuhofficial](https://twitter.com/cuhofficial)





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Satyadeo Narain Arya  
Governor, Haryana



सत्यदेव नारायण आर्य  
राज्यपाल, हरियाणा




### संदेश

यह अत्यंत हर्ष का विषय है कि केंद्रीय विश्वविद्यालय हरियाणा, महेन्द्रगढ़ द्वारा 25 फरवरी का अपना स्थापना दिवस मनाया जा रहा है। इस आयोजन पर विश्वविद्यालय द्वारा न्यूजलैटर भी प्रकाशित किया जा रहा है। यह विश्वविद्यालय का एक सराहनीय प्रयास है।

किसी भी संस्थान के लिए अपना स्थापना दिवस मनाना एक महत्वपूर्ण उपलब्धि होती है जो संस्थान को अपनी क्षमताओं तथा कार्यक्रमों की समीक्षा करके अतीत पर विश्लेषण करने तथा उत्तरोत्तर प्रगति के लिए अपना लक्ष्य निर्धारित करने का अवसर प्रदान करती है। विश्वविद्यालय के लिए आगामी वर्ष न केवल महत्वपूर्ण है, अपितु मूल्यांकन का वर्ष भी है।

बदलते परिदृश्य में वैश्विक जरूरतों के अनुरूप उच्च कोटि की शिक्षा समय की मांग है। प्रदेश के विश्वविद्यालय समय की जरूरतों के अनुरूप कार्यबल तैयार करने की बड़ी जिम्मेदारी का निर्वहन कर रहे हैं। इस दिशा में केंद्रीय विश्वविद्यालय हरियाणा, महेन्द्रगढ़ सराहनीय कार्य कर रहा है। विश्वविद्यालय की शैक्षणिक गुणवत्ता को नैक जैसी राष्ट्रीय एजेंसियों द्वारा 'ए' ग्रेड की मान्यता दी गई है जो विश्वविद्यालय की उत्कृष्टता को दर्शाता है।

मैं विश्वविद्यालय प्रशासन, शिक्षकगण, कर्मचारीगण, विद्यार्थीगण तथा विश्वविद्यालय से जुड़े प्रत्येक सदस्य को शुभकामनाएं प्रदान करता हूं और विश्वविद्यालय के उज्जलवल भविष्य की कामना करता हूं।

  
(सत्यदेव नारायण आर्य)

Web -<http://haryanarajbhavan.gov.in>



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संजय धोत्रे  
SANJAY DHOTRE



मानव संसाधन विकास,  
संचार और इलेक्ट्रॉनिकी और  
सूचना प्रौद्योगिकी मंत्रालयों के राज्य मंत्री  
भारत सरकार

MINISTER OF STATE IN THE  
MINISTRIES OF HUMAN RESOURCE DEVELOPMENT,  
COMMUNICATIONS AND ELECTRONICS &  
INFORMATION TECHNOLOGY  
GOVERNMENT OF INDIA

## MESSAGE

It is a matter of delight to know that the Central University of Haryana is publishing an annual Newsletter. Such a publication gives an opportunity to the University community and the people associated with it to have a glance over the highlights of the year gone by while it also reminds them of the promises of the future. The process of publication of institutional achievements of the last year is a two-way process as it is not only the celebration of the achievements of the last year but also an alert for the students and faculty to pursue the pace of growth with exemplary rigour and vigour for a better future.

Therefor, I hail the initiative of publishing the Newsletter and wish the Central University of Haryana fraternity a bright future ahead.

Jai Hind !

(Sanjay Dhotre)





ज्ञान-विज्ञान विमुक्तये

प्रो. धीरेन्द्र पाल सिंह  
अध्यक्ष

**Prof. D. P. Singh**  
Chairman



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग  
**University Grants Commission**

मानव संसाधन विकास मंत्रालय, भारत सरकार  
Ministry of Human Resource Development, Govt. of India

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## MESSAGE

I am pleased to know that Central University of Haryana (CUH), Mahendergarh, Haryana is planning to publish the annual issue of its newsletter to give wider publicity to the special achievements of the students, faculty and staff in the areas of academics, research, extension and infrastructure. The newsletter shall prove to be a chronicle to record the annals in the journey of the university. It will give impetus to the fraternity to grow upon the strengths of yesteryears, while carving a niche for a promising future. The newsletter will also work as an active medium to publicize the strengths of the university so as to attract the students from length and breadth of the country.

On this occasion, I extend my hearty compliments to the Vice Chancellor and his dedicated team for grooming the university so well. I also convey my best wishes for the publication of CUH Newsletter-2019.

(Prof. D. P. Singh)

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





हरियाणा केंद्रीय विश्वविद्यालय

महेंद्रगढ़-123031 (हरियाणा), भारत  
नैक द्वारा 'ए' ग्रेड प्राप्त विश्वविद्यालय

प्रो. आर. सी. कुहाड़, कुलपति  
(एफएनएएससी, एफएनएएस, एफबीआरएस)



Central University of Haryana

Mahendergarh-123031 (Haryana), India  
NAAC Accredited 'A' Grade University

Prof. R.C. Kuhad, Vice-Chancellor  
(FNASc, FNAAS, FBRS)



*Achieving Through Believing*

क्रमांक/ No. ....

दिनांक/ Date.. 17 February 2020

## From the Desk of the Vice Chancellor...



As Central University of Haryana completed a momentous decade and it enters into eleventh year of its inception, the University has ornamented series of successes, be it in the areas of academics, research and innovation or infrastructural development and outreach activities. The current edition of the University Newsletter comprises ecstatic content of numerous institutional accomplishments of the University in its eventful year 2019.

New amended schools, new departments, new academic and research programmes, a steep rise in applicants seeking admission in the university, increase in students enrolment from states other than Haryana, astounding performance of the students in prestigious competitive examinations such as UGC/CSIR-NET/JRF and GATE, continued effort of faculty members in seeking sponsored R&D and consultancy research projects, high quality research publications by faculty members in Nature, Wiley and Elsevier journals, splendid exposure of Massive Open Online Courses developed in the University, several National and International awards of faculty members, series of extension lectures and GIAN programmes by eminent academicians from overseas countries, organization of National/International Seminars/Conference/Workshops in several disciplines, participation of NSS/YRC volunteers in several camps and programmes are some of the major highlights of the Newsletter. Besides this, social outreach, cultural and awareness activities, achievement of student innovators, digital initiative by the university and a steep increase in the number of library members are some of the highlights that draw equal attention. That the university has secured its place at the national level and is drawing attention from people all over the country is supplemented by an increased 48% student enrolment from other states than Haryana. Nonetheless, I believe all the success stories could not be inscribed without continued effort of our motivated students, faculty and staff over the years with their commitment of institution building. As one of the major milestones of the year, the DDU Kaushal Kendra of the University has been upgraded into a regular department of study for Vocational Studies and Skill Development.

With the publication of each edition of the newsletter, I anticipate, the university will move ahead with more vigor and robust commitment towards excellence in higher education and research. The University believes that with its commitment to serve society and sustain the framework of quality research and innovation, the fraternity needs to work at the war footing to enable the youth of the country to realise their aspirations and deliver at their true potentials.

(Prof. R. C. Kuhad) 17/02/2020





## ABOUT THE UNIVERSITY

### University

The Central University of Haryana (established vide Central Universities Act 2009) is funded and regulated by University Grants Commission and Ministry of Human Resource Development (MHRD), Government of India. The University is located at Jant-Pali villages of district Mahendergarh in South Haryana, which is now a part of the extended National Capital Region (NCR).

### Visitor of the University

His Excellency, The President of India, **Shri Ram Nath Kovind**

**Chancellor: Prof. (Dr.) P.L. Chaturvedi**

**Vice Chancellor: Prof. R.C. Kuhad**

### Vision

To develop enlightened citizenship of a knowledge society for peace and prosperity of individuals, nation and the world, through promotion of innovation, creative endeavors, and scholarly inquiry.

### Mission

To serve as a beacon of change, through multi-disciplinary learning, for creation of knowledge community, by building a strong character and nurturing a value-based transparent work ethics, promoting creative and critical thinking for holistic development and self-sustenance for the people of India. The University seeks to achieve this objective by cultivating an environment of excellence in teaching, research and innovation in pure and applied areas of learning, with a focus on social enquiry, democratic ethos and inclusive socio-economic development, community outreach initiatives, scientific endeavors and technological advancement.





## Objectives of the University

The objectives of the University are:

- ❖ To disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit;
- ❖ To make special provisions for integrated courses in humanities, social sciences, science and technology in its educational programmes;
- ❖ To take appropriate measures for promoting innovations in teaching-learning process and interdisciplinary studies and research;
- ❖ To educate and train manpower for the development of the country;
- ❖ To establish link ages with industries for the promotion of science and technology;
- ❖ To pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.

## Quality Statement

Perseverance, determination, enquiry, ethical conduct, probity, transparency, accountability and continuous self-evaluation and improvement to form the cornerstones of all endeavors for holistic and inclusive growth and development of society through excellence in academics, research and all other relevant and meaningful pursuits.

## Schools of Study

Dedicated to its vision and mission, University is offering the programmes of study in the following Schools of Study during the Academic Session 2019-20:

- 1) School of Arts, Humanities and Social Sciences
- 2) School of Language, Linguistics, Culture and Heritage
- 3) School of Law, Governance, Public Policy and Management
- 4) School of Chemical Sciences
- 5) School of Computer Science and Informatics
- 6) School of Physical and Mathematical Sciences
- 7) School of Earth, Environment and Space Studies
- 8) School of Journalism, Mass Communication and Media
- 9) School of Life Sciences
- 10) School of Education
- 11) School of Engineering & Technology

**Amended Schools of Study vide notification no. CUH/2020/A&C/282 dated 05.02.2020 as under:**

- 1) School of Humanities and Social Sciences
- 2) School of Interdisciplinary and Applied Sciences
- 3) School of Basic Sciences
- 4) School of Law



- 5) School of Engineering and Technology
- 6) School of Business and Management Studies
- 7) School of Education
- 8) School of Agricultural Sciences
- 9) School of Life-long Learning

## ACADEMIC HIGHLIGHTS (2019)

<b>I. Schools of Study</b>	<b>:</b>	<b>11 (9 w.e.f. 05.02.2020)</b>
<b>II. Departments of Study</b>	<b>:</b>	<b>33</b>
<b>III. Academic Programmes</b>	<b>:</b>	<b>60</b>

### Undergraduate Programmes: 07

- 1) Bachelor of Technology (B. Tech) in Computer Science and Engineering; Electrical Engineering; Civil Engineering; and Printing and Packaging Technology.
- 2) Bachelor of Vocation Studies (B.Voc.) in Biomedical Sciences; Industrial Waste Management; and Retail and Logistics Management.



### Postgraduate Programmes: 29

- 1) Master of Arts in Economics, English, Hindi, History and Archeology, Political Science, Psychology, Sociology and Sanskrit.
- 2) Master of Business Administration (MBA), B.Ed, M.Ed., M.Com., M.C.A., MA-JMC, LL.M., Master of Library & Information Science, Master of Hotel Management & Catering Technology and Master of Tourism & Travel Management.
- 3) Master of Science in Environmental Science, Geography, Chemistry, Physics, Mathematics, Statistics, Microbiology, Biochemistry, Nutrition Biology, Biotechnology and Yoga

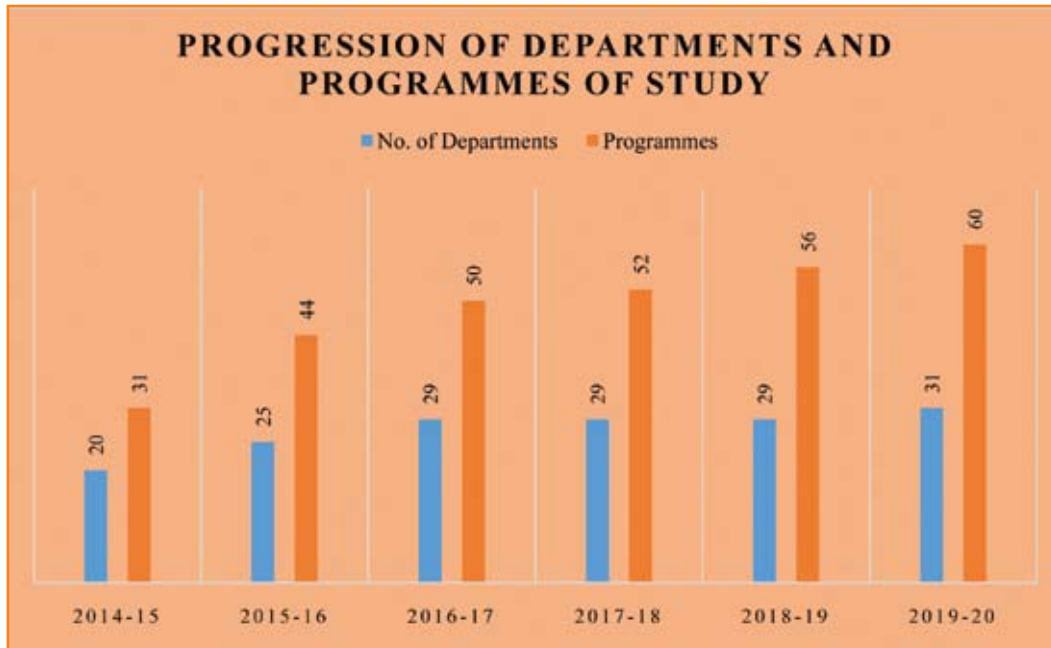
### M.Phil. Programmes: 07

- 1) M.Phil. in Economics, Education, English, Hindi, Political Science, Sociology and History and Archeology.



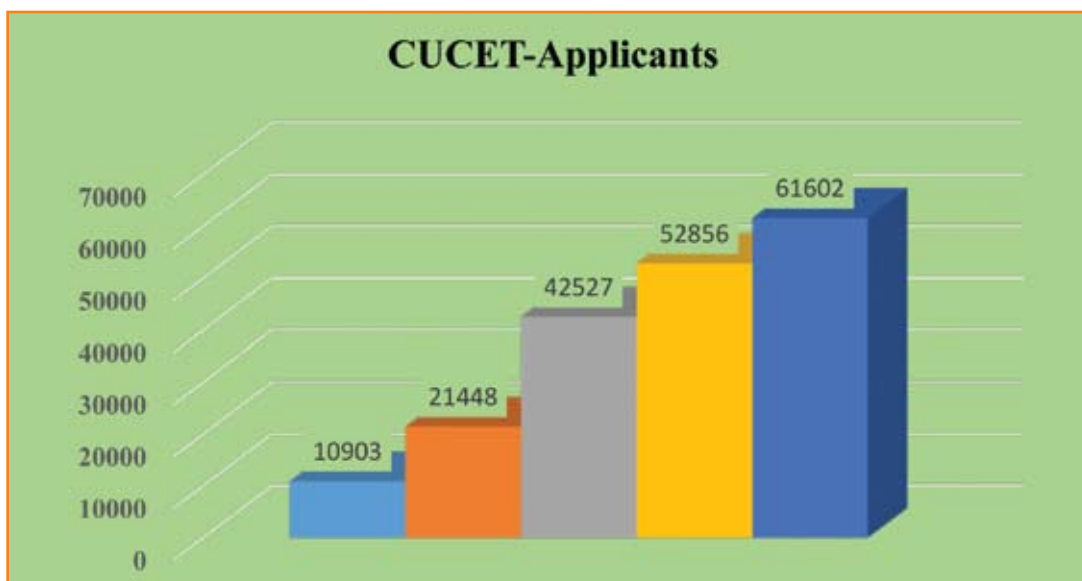
## Ph.D. Programmes: 17

- 2) Ph.D. in Economics, English, Hindi, Management Studies, Political Science, Microbiology, Nutrition Biology, Biotechnology, Law, Statistics, Sociology, History and Archeology, Chemistry, Education, Biochemistry, Physics and Mathematics.



## Admissions:

The University offered admissions in various academic programmes through Central University Common Entrance Test (CUCET) and the steep rise in number of aspirants from 10903 in 2015-16 to 61602 in 2019-20 testifies the commitment of the University towards academic excellence.

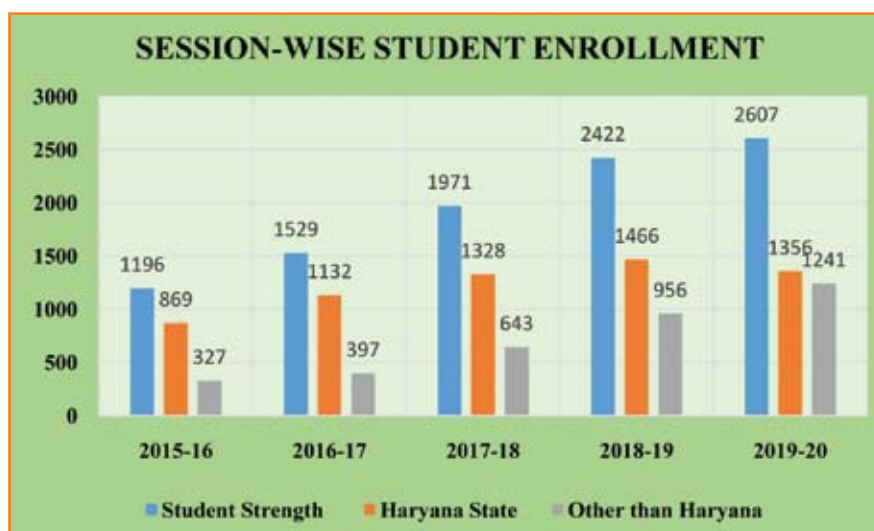






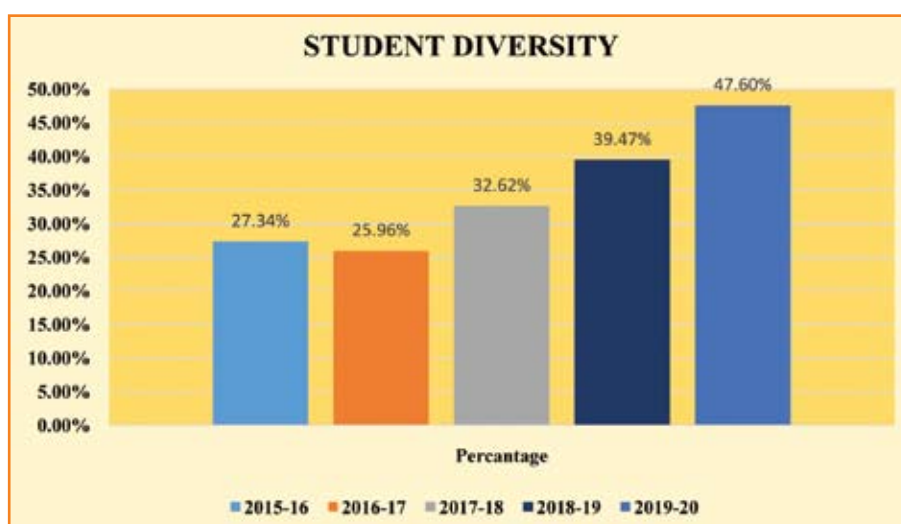
#### IV. Student Enrollment in 2019-20:

a. Undergraduate Programmes	:	<b>855</b>	{From outside Haryana: 421}
b. PG Programmes	:	<b>1561</b>	{From Outside Haryana: 725}
c. M.Phil	:	<b>24</b>	{ From Outside Haryana: 18}
d. Ph.D	:	<b>167</b>	{From Outside Haryana: 77}
<b>Total Enrollment in 2019-20</b>	:	<b>2607</b>	



#### a. Diversity in Enrollment (2019-20):

- i. From outside Haryana State : **48%**
- ii. Women Students : **38%**



#### V. Performance in UGC/CSIR (NET/JRF) & GATE, 2019 : 213 Students

UGC (NET/JRF): 159; CSIR (NET/JRF): 37; and GATE: 17

#### V. Research

- ❖ Completed Research projects during 2019 : 06
- ❖ New Research Projects sanctioned : 04



- ❖ Ongoing sponsored research projects : 18
- ❖ Total value of sponsored research projects : Rs. 900.49 Lakhs
- ❖ Consultancy Projects : 29
- ❖ Research Papers Published : 159
- ❖ Scopus Indexed Publications : 124\*
- ❖ Faculty Research Collaboration : 145 Organisations\*
- ❖ Highest Impact Factor : 12.831
- ❖ Patents Filed : 03

\*Source: Scopus

## SNIPPETS OF TOP TEN PUBLICATIONS OF THE YEAR

Biotechnology Advances 37 (2019) 107384

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Contents lists available at [ScienceDirect](#)

### Biotechnology Advances

journal homepage: [www.elsevier.com/locate/biotechadv](http://www.elsevier.com/locate/biotechadv)

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Research review paper

### Nanoengineered cellulosic biohydrogen production via dark fermentation: A novel approach

Neha Srivastava<sup>a,1</sup>, Manish Srivastava<sup>b,1</sup>, Banshi D. Malhotra<sup>c</sup>, Vijai K. Gupta<sup>d,\*</sup>, P.W. Ramteke<sup>e</sup>, Roberto N. Silva<sup>f</sup>, Pratyoosh Shukla<sup>g</sup>, Kashyap Kumar Dubey<sup>h</sup>, P.K. Mishra<sup>a,\*</sup>

nature COMMUNICATIONS

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ARTICLE

<https://doi.org/10.1038/s41467-019-10274-4> OPEN

### Modulation of antibiotic sensitivity and biofilm formation in *Pseudomonas aeruginosa* by interspecies signal analogues

Shi-qi An<sup>1,2</sup>, Julie Murtagh<sup>1</sup>, Kate B. Twomey<sup>2</sup>, Manoj K. Gupta<sup>3,4</sup>, Timothy P. O'Sullivan<sup>4,5</sup>, Rebecca Ingram<sup>2</sup>, Miguel A. Valvano<sup>6,7</sup> & Ji-Hang Tang<sup>7</sup>

### Renewable Energy

Volume 136, June 2019, Pages 1231-1244

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### Cellulolytic and xylanolytic enzymes of thermophiles for the production of renewable biofuels

Anju Bala<sup>a</sup>, Bijender Singh<sup>a,b,c,d,e</sup>

Show more

<https://doi.org/10.1016/j.renene.2018.09.100> Get rights and content



**CHEMISTRY**  
A European Journal



Communication

## Pseudo-Gated Adsorption with Negligible Volume Change Evoked by Halogen-Bond Interaction in the Nanospace of MOFs<sup>†</sup>

Dr. Prakash Kanoo, Prof. Ryotaro Matsuda , Prof. Hiroshi Sato, Dr. Liangchun Li, Dr. Nobuhiko Hosono, Prof. Susumu Kitagawa 

First published: 22 November 2019 | <https://doi.org/10.1002/chem.201904703>

<sup>†</sup> MOF=metal-organic framework.



## Separation and Purification Technology

Volume 224, 1 October 2019, Pages 273-280



## Treatment of anticancer drugs in hospital and wastewater effluents using nanofiltration

M.B. Cristóvão <sup>a, e</sup>, J. Torrejais <sup>a</sup>, R. Janssens <sup>b</sup>, P. Luis <sup>b</sup>, B. Van der Bruggen <sup>c</sup>, K.K. Dubey <sup>d</sup>, M.K. Mandal <sup>e</sup>, M.R. Bronze <sup>f</sup>, J.G. Crespo <sup>g</sup>, V.J. Pereira <sup>a, h</sup>  



## Journal of Environmental Management

Volume 248, 15 October 2019, 109270



Short communication

## Chemical-biological hybrid systems for the metal recovery from waste lithium ion battery

Tenzin Dolker <sup>a</sup>, Deepak Pant <sup>b</sup>  





Nonlinear Dyn (2019) 96:837–852  
<https://doi.org/10.1007/s11071-019-04825-w>



ORIGINAL PAPER

## Dispersion analysis and improved F-expansion method for space–time fractional differential equations

Bikramjeet Kaur · R. K. Gupta

## Journal Pre-proof

Development of an off-on selective fluorescent sensor for the detection of Fe<sup>3+</sup> ions based on Schiff base and its Hirshfeld surface and DFT studies

Gurpreet Singh, Jayant Sindhu, Manisha, Vinod Kumar, Vishal Sharma, Suresh Kumar Sharma, Surinder Kumar Mehta, Mater H. Mahnashi, Ahmad Umar, Ramesh Kataria



International Journal of  
Molecular Sciences



*Int. J. Mol. Sci.* 2019 Sep; 20(18): 4352.  
Published online 2019 Sep 5. doi: [10.3390/ijms20184352](https://doi.org/10.3390/ijms20184352)

PMCID: PMC6770869  
PMID: [31491902](https://pubmed.ncbi.nlm.nih.gov/31491902/)

## Decreased Level of Neurotrophic Factor Neuritin 1 in Women with Ovarian Endometriosis after Receiving Gonadotropin-Releasing Hormone Agonist Treatment

[Endah Rahmawati](#)<sup>1,2</sup> [Wei-Chung Vivian Yang](#)<sup>3,\*†</sup> [Yen-Ping Lei](#)<sup>4</sup> [Pawan Kumar Maurya](#)<sup>5,6</sup> [Huei-Wen Chen](#)<sup>6</sup> and [Chii-Ruey Tzeng](#)<sup>1,4,7,\*†</sup>

[www.nature.com/scientificreports](http://www.nature.com/scientificreports)

# SCIENTIFIC REPORTS

OPEN

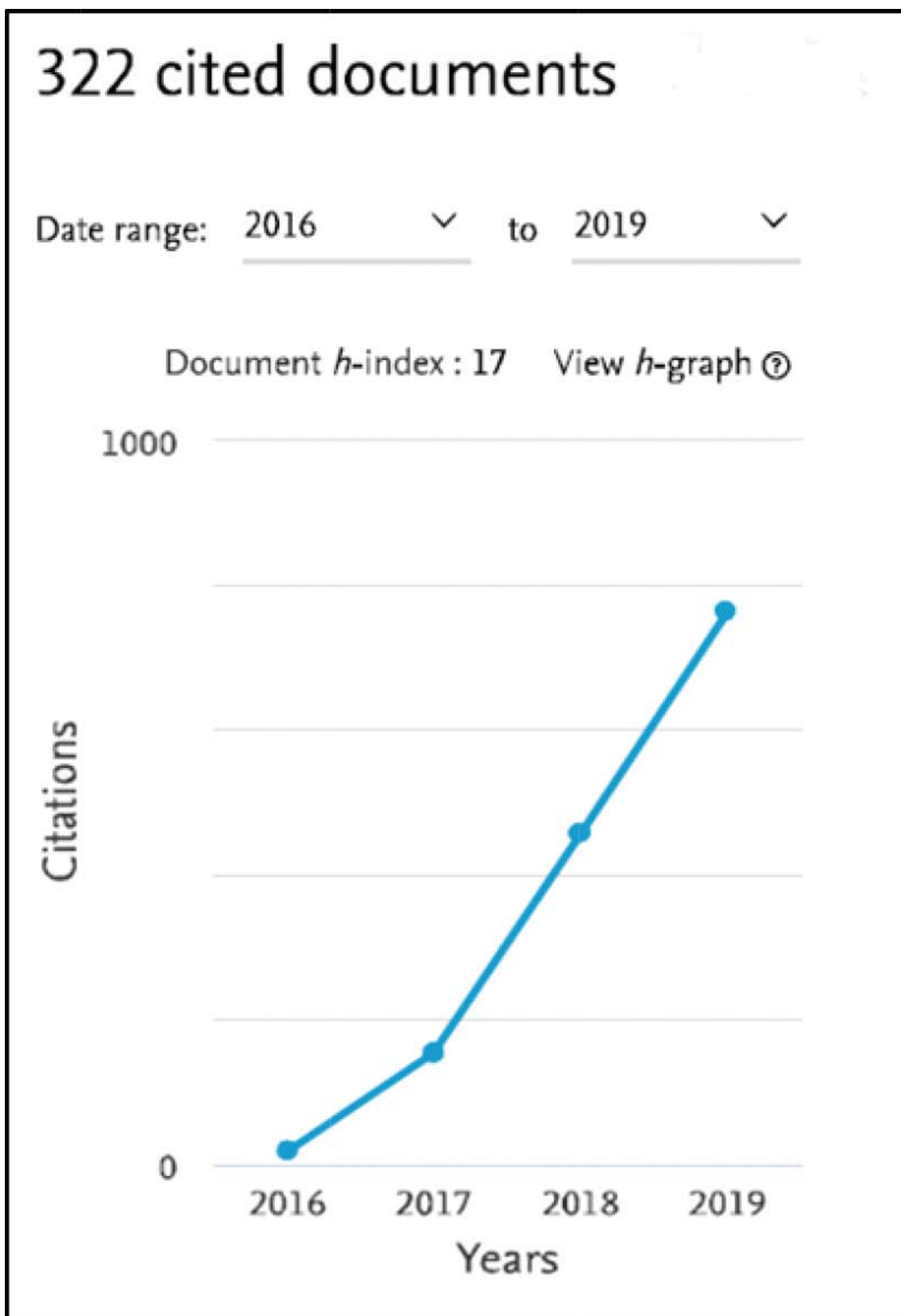
## Extractive Fermentation for Process integration and amplified pullulan production by *A. pullulans* in Aqueous Two Phase Systems

Received: 26 June 2018  
Accepted: 5 December 2018  
Published online: 10 January 2019

[Parul Badhwar](#)<sup>1</sup>, [Punit Kumar](#)<sup>1</sup> & [Kashyap Kumar Dubey](#)<sup>2</sup>



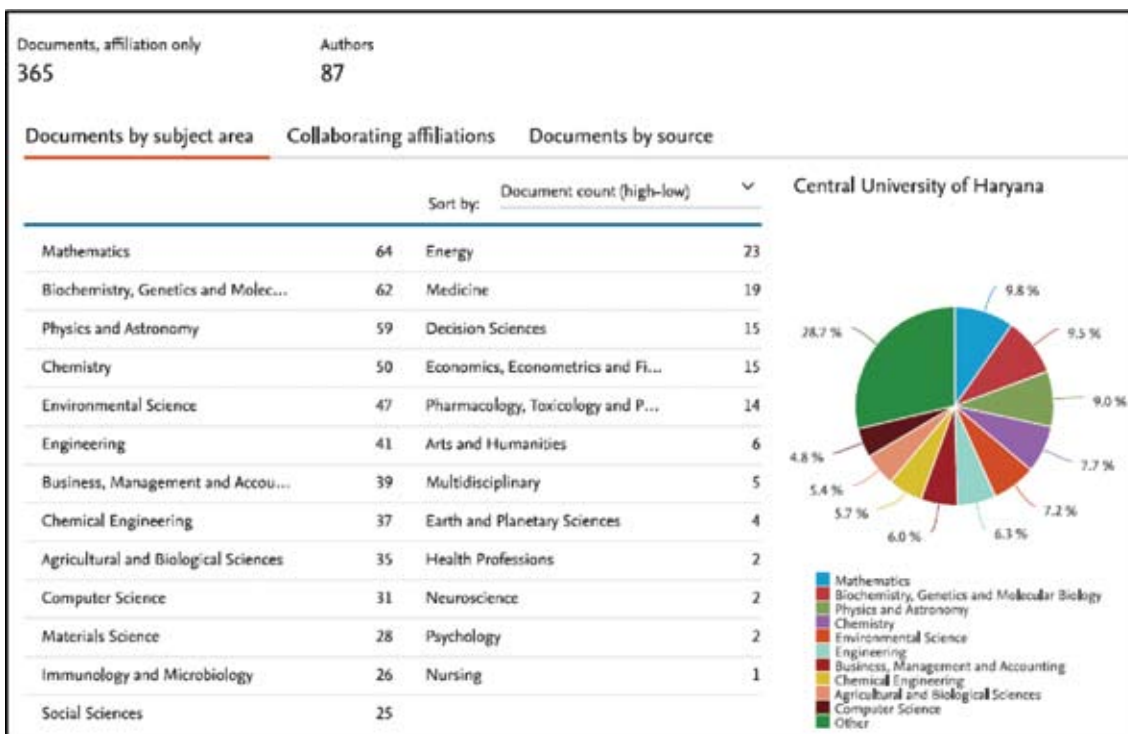
## CITATIONS DURING LAST FIVE YEARS



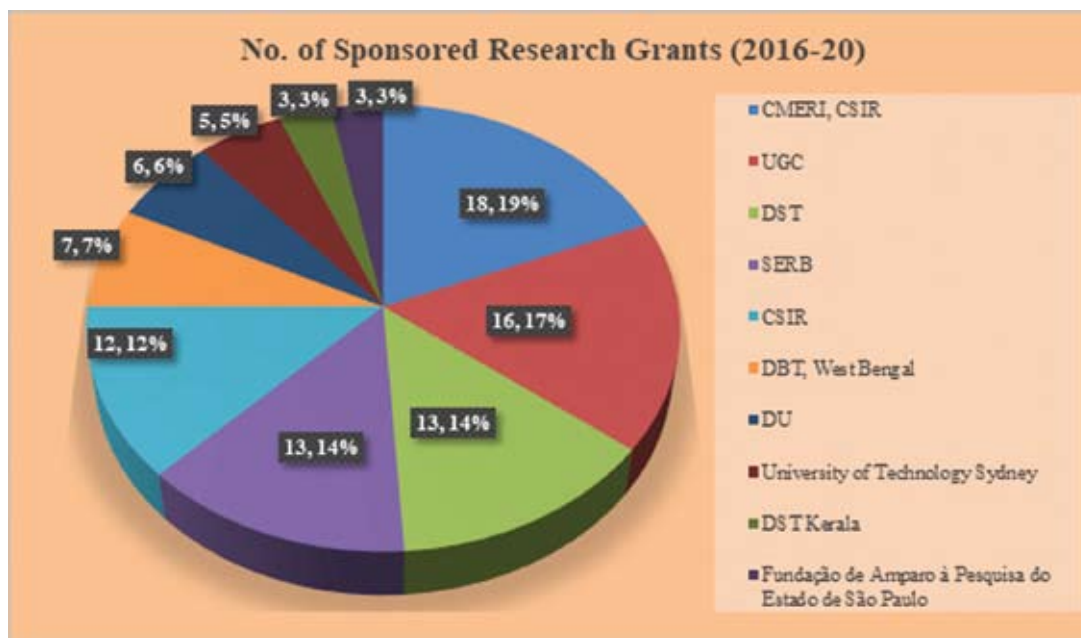
\*Source: Scopus



## Subject-wise Publications of CUH (2016-20)



\*Source: Scopus



\*Source: Scopus

### VII. Major Academic Achievements:

- a. **Massive Open Online Course (MOOC):** The Central University of Haryana has developed the first MOOC on “Food Microbiology and Food Safety” (a four-credit course) under the Principal Investigatorship of Prof. R. C. Kuhad, Vice-Chancellor. The University has successfully completed the second cycle (from January 2019 to May



2019) with an enrolment of 1625 learners from more than 22 prestigious universities/institutes and food industries. The course was rated as 4.5 out of 5 by the learners. UGC has selected this MOOC for Translation & Subtitling in 10 different Indian Languages and after successful translation it will be offered on the SWAYAM Platform. Dr. Tejpal Dhewa is the Course Coordinator of this MOOC.

- b. Establishment of National Resource Centre:** The Ministry of Human Resource Development has identified Central University of Haryana for setting up National Resource Centre for Developing MOOCs on “Personal-Emotional Development and Counselling”. The Centre is being set up under Pt. Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNTT). NRC has developed the Annual Refresher Programme in Teaching (ARPIT) of higher education faculty in the discipline. The first cycle of training was started from November 1, 2018 and concluded in April 2019. Dr. Sarika Sharma, Professor of Education was the Course Coordinator of ARPIT. 871 candidates enrolled for this course on SWAYAM Platform.

## AWARDS AND RECOGNITION



Sr. No.	Recipients of prestigious awards	Designation	Award/fellowship received from Government or recognized bodies
1	Prof. R.C. Kuhad	Vice Chancellor	Life-Time Achievement Award by Association of Microbiologists (AMI) of India
2	Prof. R.C. Kuhad	Vice Chancellor	Fellow, Academy of Microbial Sciences
3	Prof. R.C. Kuhad	Vice Chancellor	Youth Red Cross Shield by the Hon'ble Governor of Haryana





Sr. No.	Recipients of prestigious awards	Designation	Award/fellowship received from Government or recognized bodies
4	Prof. Sarika Sharma	Professor	Best researcher Award in Social Sciences by CUH (jointly with Dr. Chanchal Kumar Sharma)
5	Dr. Chanchal Kumar Sharma	Associate Professor	1. GIGA Associateship, 2018-2019
			2. Best Researcher Award in Social Sciences by CUH (jointly with Dr. Sarika Sharma)
6	Dr. Gunjan Goel	Associate Professor	International Mentor, Visiting Scientist from Indonesian Institute of Sciences, Indonesia
7	Dr. Surender Singh	Associate Professor	<i>Haryana Yuva Vigyan Ratan</i> Award by Department of Science & Technology, Panchkula
8	Dr. Devendra Kumar	Assistant Professor	Best Researcher Award by CUH (Sciences)
9	Prof. Neelam Sangwan	Professor	Recognition as Invited Expert member, (Indo-German) Helmholtz-Indian Platform on Science, Technology, Education and Research
			Recognition as Member, CSIR National Committee on Plant Sciences
			Recognition as Member Expert committee for 14th Finance Commission” to review projects and schemes of Biotechnology
			Recognition as Expert Member, Review Committee on Genetic Manipulation (RCGM), Government of India
10	Sh. Naresh Kumar	Assistant Librarian	Best Performing Non-Teaching Official Award by CUH
11	Dr. Dinesh Chahal	Assistant Professor	State Award in Appreciation of Devoted Services in the field of YRC by the Hon’ble Governor of Haryana
12	Sh. Sunder Lal Sharma	Assistant Registrar	Best Performing Non-Teaching Official Award by CUH
13	Sh. Amit Yadav	LDC	Best Performing Non-Teaching Official Award by CUH





## GLOBAL INITIATIVE FOR ACADEMIC NETWORK (GIAN)

The University conducts GIAN programmes at regular intervals. During the year 2019 the University conducted five GIAN programmes.



Sr. No.	Topic of GIAN Course and Dates	Name & Institute of Guest Faculty	No. of Participants	Name of Course Coordinator
1.	Starter's And Start-Ups": A Learning Cycle For Beginners 18.07.2016 to 30.07.2016	<b>Prof. Mario Cortes</b> , Academic Dean, School of business and Professor, Tecnológico de Monterrey, <b>campus San Luis Potosí</b> .	26	Dr. Sunita Tanwar, Department of Management Studies
2.	"Sustainability Innovation: New Research and Directions" 21.11.2016 to 02.12.2016	<b>Prof. Roger N. Conaway</b> , Professor in EGADE Business School, <b>Mexican National Research System</b>	35	Dr. Sunita Tanwar, Department of Management Studies
3.	"Innovation Lab.: From Ideas to Business" 14.11.2016 to 25.11.2016	<b>Prof. Valery Chistov</b> , Assistant Professor of Business Management and Innovation in the Business School of Tecnológico de Monterrey University, <b>Mexico</b> .	21	Dr. Sunita Tanwar, Department of Management Studies
4.	"Microbial Biotechnology" 19.12.2016 to 30.12.2016	<b>Dr. Sreenivas Rao Ravella</b> , PhD, Senior Fermentation Scientist, Institute of Biological, Environmental and Rural Sciences (IBERS), <b>Aberystwyth University, United Kingdom</b>	41	Dr. Rishi Gupta, Department of Biotechnology
5.	"Membrane Processes for Water, Food and Biotech Applications" 30.10.2017 to 03.11.2017	Prof. João G. Crespo, Chemical Engineering, Faculty of Sciences and Technology, <b>Universidade Nova de Lisboa, Portugal</b> , where he is Vice- Rector for Research and Innovation and former Coordinator of NOVA Doctoral School.	32	Dr. Kashyap Dubey, Department of Biotechnology



Sr. No.	Topic of GIAN Course and Dates	Name & Institute of Guest Faculty	No. of Participants	Name of Course Coordinator
6.	Critical Perspective on "Inclusive Education" 30.10.2017 to 03.11.2017	<b>Dr. Nidhi Singal</b> , Reader in Inclusive Education at the <b>University of Cambridge, UK.</b>	48	Dr. Arti Yadav, Department of Education
7.	"Functional Foods and Nutraceuticals: Fundamental and Mechanistic Approaches" 11.12.2017 to 22.12.2017	<b>Prof. Rotimi Alukoi</b> , Department of Human Nutritional sciences, <b>University of Manitoba, Winnipeg, Canada</b>	27	Dr. Ashwani Kumar, Department of Nutrition Biology
8.	"Cerebral Blood Vessels in Health and Disease: Translational Insights" 16.04.2018 to 20.04.2018	<b>Dr. Itender Singh</b> , Washington University, Missouri, <b>USA</b>	31	Dr. Vikas Yadav, Department of Biochemistry
9.	"Principles of Environmental Catalysis" 06.08.2018 to 17.08.2018	<b>Dr. Praveen Kolar</b> , North Carolina State University, <b>USA</b>	49	Dr. Somvir Bajar, Dept. of Environmental Sciences
10.	"Food Safety, Food Security and Food Regulation: A Primer" 16.09.2018 to 20.09.2018	<b>Prof. Karl R. Matthews</b> , State University of New Jersey, <b>USA</b>	73	Dr. Tejpal Dhewa, Dept. of Nutrition Biology
11.	"Metabolomics in Food and Nutrition Science Research: From Concepts to Applications" 15.02.2019 to 19.02.2019	<b>Prof. Nilesh William Gaikwad</b> , Founder and CEO, Gaikwad Stereodomics Lab, LLC, <b>California.</b>	50	Dr. Tejpal Dhewa, Dept. of Nutrition Biology
12.	"Integrated Lignocellulosic Biorefinery for Sustainable Development" 29.04.2019 to 03.05.2019	<b>Prof. Yinbo Qu</b> , Emeritus Professor, State Key Laboratory of Microbial Technology, Institute of Microbial Technology, Shandong University, <b>China.</b>	40	Dr. Jitendra Kumar Saini, Department of Microbiology
13.	"Food Fortification and Human Health: From Concepts to Public Health Applications" 09.09.2019 to 13.09.2019	<b>Prof. Helena Pachon</b> , Emory University, Atlanta, <b>USA</b>	61	Dr. Tejpal Dhewa, Dept. of Nutrition Biology
14.	"Industrial Biotechnology" 23.09.2019 to 27.09.2019	<b>Prof. Jose Teixeira</b> , Center for Biological Engineering, <b>University of Minho-Portugal</b>	46	Dr. Kashyap Dubey, Department of Biotechnology
15.	"Metabolic Engineering" 25.11.2019 to 29.11.2019	<b>Mathews Koffass</b> , New York, <b>USA</b>	35	Dr. Kashyap Dubey, Department of Biotechnology
16.	"Strategic Foresight and Innovation" 16.03.2020 to 27.03.2020	<b>Prof. Valery Chistov</b> , Assistant Professor of Business Management and Innovation in the Business School of Tecnológico de Monterrey University, <b>Mexico.</b>	Yet to be conducted	Dr. Sunita Tanwar, department of Management Studies

## NATIONAL/ INTERNATIONAL SEMINARS/CONFERENCES/WORKSHOPS

- ❖ Workshop on "Auto Cad" for Civil Engineering (third year students) from January 7-11, 2019.
- ❖ Workshop on "Hindi Typing, Noting and Drafting", organised by Rajbhasha Section, Jan. 10, 2019.





- ❖ Symposium on “पंडित मदन मोहन मालवीय का शिक्षा के क्षेत्र में योगदान”, organised by School of Education, Jan. 30, 2019.
- ❖ Workshop on “Auto Cad” for Civil Engineering (second year) students from January 30-February 2, 2019.
- ❖ Two-day National Workshop on “FOSS: A Boon for Data Science and Python”, organised by Department of Computer Science, Feb. 6-7, 2019.
- ❖ One-day Workshop on “Road Safety Week”, organised by NSS/YRC Units, Feb. 07, 2019.
- ❖ National Seminar on “*Swami Dayanand ke Divya Darshan Mein Ved, Vigyan aur Adhyatmikta*”, organised by Swami Dayanand Saraswati Chair, Feb. 14-15, 2019.
- ❖ Five-day Workshop on ‘MATLAB’, organised by School of Engineering & Technology, March 8-12, 2019.



- ❖ Workshop on “Nai Talim & Teacher Education”, organised by School of Education, March 09, 2019.
- ❖ One-week Workshop on “Professional Development and Capacity Building of Teachers of Higher Institutions”, organised by School of Education, March 11-18, 2019.



- ❖ Two-day Workshop on “Ethnic Foods of India”, organised by Department of Tourism & Hotel Management, March 25-26, 2019.
- ❖ Two-day Workshop on ‘Rural Immersion Camp’, organised by NSS/YRC Units, March 26-27, 2019.



- ❖ Workshop on “Auto Cad” and “Primavera” for Civil Engineering (first year and third year students) from April 17- 21, 2019.
- ❖ First Annual Two-day National Interdisciplinary Conference on “Transcending Borders & Disciplines: Culture, Literature & Society”, organised by IQAC, April 27-28, 2019.
- ❖ Workshop on “STADD PRO” for third year Civil Engineering students from May 1-2, 2019.
- ❖ One-Day workshop on “राजभाषा अधिनियम के उपबंधों के अनुसार कार्य करने एवं दस्तावेजों के रख रखाव का व्यावहारिक प्रशिक्षण”, organised by Rajbhasha Section, June 24, 2019.
- ❖ Second Annual Colloquium on “Sharing Resources and the Best Practices for Quality Higher Education and Research”, organised by School of Education & IQAC, July 19, 2019
- ❖ One-day Workshop on “Integrated Approach to Education: Issues and Concerns related to Draft National Education Policy-2019”, organised by School of Education, July 26, 2019.



- ❖ Mini Symposium on “Recent Developments in Microbiology”, organised by Department of Microbiology, July 29, 2019.
- ❖ Workshop on “Cyber Security”, organised by Women Empowerment Cell, August 04, 2019.
- ❖ Workshop on “कार्यालय में हिंदी का प्रयोग”, organised by Rajbhasha Section, September 17, 2019.
- ❖ Workshop on “International Girl Child Day”, organised by Women Empowerment Cell, October 10, 2019.
- ❖ International Workshop on “Heading towards Zero: Sustainable Development in Economy, Environment and Society”, organised by Department of Geography, October 19-21, 2019.





- ❖ Two-day workshop on “Science & Technology sensitization Programme for Women”, organised by CUH in collaboration with NASI, Allahabad, November 6-7, 2019.



- ❖ Annual Conference on AMI “Microbial Technologies in Sustainable Development of Energy, Environment, Agriculture and Health”, organised by School of Life Sciences, November 15-18, 2019.
- ❖ Three-day International Conference on “Trends in Computational and Cognitive Engineering (TCCE)-2019” organised by school of engineering and technology and department of mathematics, November 28-30, 2019.

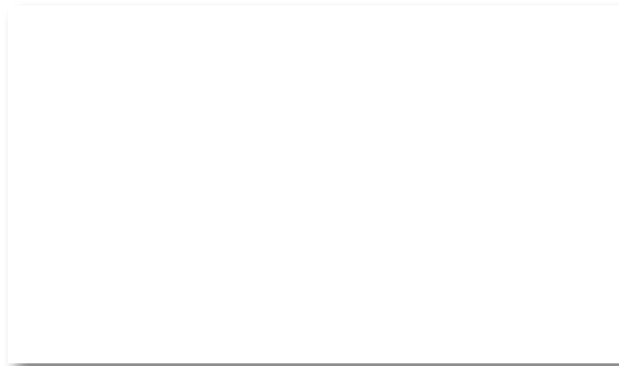


## SERIES OF EXTENSION LECTURES

- ❖ “Green Chemistry Approaches for Chemical Industry” and “Entrepreneurship in Multidisciplinary Sciences”, Prof. V.S. Parmar, former Head, Dept. of Chemistry, University of Delhi and Prof. Ashok Cholle, founder & President of Polnox Corporation, MA, USA, Jan. 25, 2019.
- ❖ “Contextualizing Civic Nationalism in Colonial India”, Prof. J.S. Dhankhar, MDU Rohtak, January 30, 2019.
- ❖ “Teacher as a Counsellor”, Prof. Rajender Singh Yadav, Former Dean, Faculty of Education, Kurukshetra University, Kurukshetra, February 08, 2019.
- ❖ “Writing Research Report” and “Importance of Relevant Literature in Research”, Prof. Kirandeep, Department of Education, Panjab University, Chandigarh, February 8, 2019.
- ❖ “Guidance and Counselling: Types and Processes”, Prof. Rajender Singh Yadav, Kurukshetra University, Kurukshetra, Feb. 8, 2019.



- ❖ “Academic Research”, Prof. R.S. Khan, Jamia Millia Islamia, Feb. 8, 2019.
- ❖ “*Mahabharata Katha: Transmission in the Folk World*”, Prof. P.C. Pattnaik, Department of Modern Indian Languages & Literary Studies, University of Delhi, Feb. 11, 2019.
- ❖ “Career Opportunities in Library Science”, Prof. H.P.S. Kalra, Punjabi University, Patiala, Feb. 13, 2019.
- ❖ “Young People and Mental Health in Changing World”, Prof. Dwarka Pershad, Clinical Psychologist, PGI, Chandigarh and Dr. Taralochan Singh, Chief Clinical Psychologist, Ludhiana, Feb. 15, 2019.
- ❖ “Settlement Pattern and Theorizing the Decline of Indus Valley Civilization”, Dr. Adam Greene, Cambridge University, February 19, 2019.
- ❖ “Democratic Governance in India: An Appraisal”, Dr. Wilfried Swenden, University of Edinburgh, Feb. 20, 2019.



- ❖ “Emerging Technologies and Management”, Mr. Ravi Yadav, SAP Consultant, Infosys Ltd., USA, February 25, 2019.
- ❖ Public Lectures by Prof. Shyam Singh Chauhan, AIIMS, New Delhi and Prof. R.K. Kotnala, NPL, New Delhi on the Occasion of National Science Day, Feb. 28, 2019. Nearly 300 schoolchildren from the schools visited the university to participate in the science exhibition.
- ❖ “Strategic Management”, Dr. D.P. Warne, Dept. of Commerce, CDLU, March 05, 2019.
- ❖ “Lifestyle Diseases”, Dr. Jasbir Dalal, Medical Officer, CUH, March 09, 2019.
- ❖ “Role of GIS (Geo Information System) in Rural Governance”, Prof. Mahtab Singh, MDU, Rohtak, March 11, 2019.
- ❖ “Political Culture and Political Socialization”, Prof. (Retd.) K.S. Sangwan, Department of Sociology, M.D. University, Rohtak, March 14, 2019.
- ❖ “Theories of Underdevelopment”, Prof. (Retd.) K.S. Sangwan, Department of Sociology, M.D. University, Rohtak, March 15, 2019.
- ❖ “Ultimate constituents of Nuclear Matter”, Prof. Sham Kumar, Department of Physics, Kurukshetra University, Kurukshetra, March 25, 2019.
- ❖ “Ethnic Food of India: Gravies”, Chef Jaswinder, Assistant Professor, Punjab University Chandigarh, March 25, 2019.





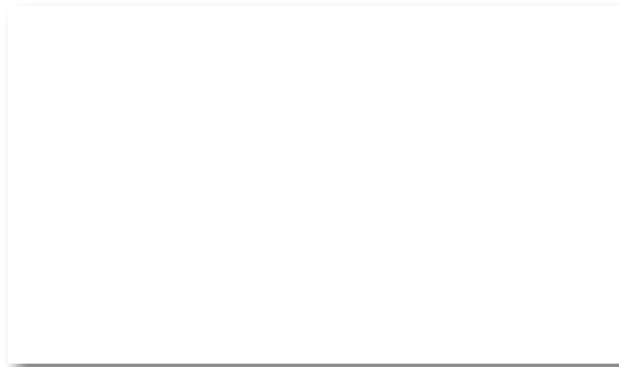
- ❖ “Ethnic food of India: Kebabs and Biryani”, Chef Shahjahan, Assistant Professor, March 26, 2019.
- ❖ “Patrakarita ke Badalte Swaroop”, Sh. Omkar Chaudhary, Editor, Hari Bhoomi, March 27, 2019.
- ❖ “Water Conservation and Climate Change”, Sh. Rajender Singh, Magsaysay Awardee, March 28, 2019.



- ❖ “Algebra and its Applications”, Prof. Ram Karan, Department of Mathematics Kurukshetra University, Kurukshetra, March 28, 2019.
- ❖ “New Opportunities in Ion Beam Facilities”, Dr. Dinkar Kanjilal, IUAC, New Delhi, March 28, 2019.
- ❖ “Evolution of Food Tourism in South Asia”, Prof. S. Inayet Ali Zaidi, Jamia Milia Islamia, March 29, 2019.
- ❖ “Heritage of Food and Culinary Activities in India”, Prof. Sunita Zaidi, former Rhodes Fellow, Oxford University, March 29, 2019.
- ❖ “Psychotherapies”, Dr. Hardeep Lal Joshi, Dept. of Psychology, Kurukshetra University, Kurukshetra, April 01, 2019.
- ❖ “Optimization”, Prof. Prabha Sharma, UGC Emeritus Fellow, Indian Institute of Technology Kanpur, April 03, 2019.
- ❖ “Handling Misuse of the RTI Act”, Professor Ajmer Singh Malik, Kurukshetra University, Kurukshetra, April 15, 2019.
- ❖ “India’s Foreign Policy towards South and South-East Asia”, Prof. Sanjay Bhardwaj, Centre for South Asian Studies, JNU-New Delhi, April 15, 2019.
- ❖ “Research Concern and Methodologies in Human Geography”, Prof. Sachidanand Sinha, CSR/D/SSS/JNU, New Delhi, April 18, 2019.
- ❖ “Sputtering Techniques”, Dr. R.K. Garg, Technological Applications Services, New Delhi, April 23-24, 2019.
- ❖ “Astrophysics and Cosmology”, Dr. Jagjeet Walia and Dr. Arvinder Kaur, April 25, 2019.
- ❖ “Human Origin, Health and Disease: Genomics Perspectives”, Dr. K. Thangaraj, Chief Scientist and Group Leader, Centre for Cellular and Molecular Biology, April 25, 2019.
- ❖ “Ecosystem & Services”, Prof. S.C. Garkoti, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, April 25, 2019.



- ❖ “Changing Paradigms of Development and Planning - 1960 to the Present”, Prof. Atiya Habeeb Kidwai, School of Planning and Architecture, New Delhi, April 25, 2019.
- ❖ “Biology of Blue Green Algae”, Prof. Radha Prasanna, Division of Microbiology, IARI, New Delhi, April 26, 2019.
- ❖ “Regression Diagnostics and Explanatory Data Analysis with Mini Tab”, Prof. Aquil Ahmad, Aligarh Muslim University, Aligarh, April 26, 2019.
- ❖ “Mini Symposium on Integrated Lignocellulosic Biorefinery”, Prof. Shams Yazdani (ICGEB, New Delhi), Prof. R.C. Kuhad, Vice-Chancellor, CUH, April 29, 2019.

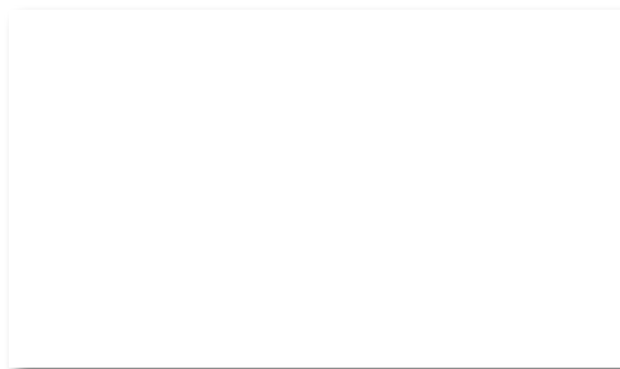


- ❖ “One-week Workshop on application of Geographical Information System (GIS) in Thematic Mapping, Morphometric Analysis and GPS Survey”, Dr. M.P. Punia, Birla Institute of Technology, Jaipur and Milap Punia, CSRD/SSS/JNU, May 4 -9, 2019.
- ❖ “Recent Trends in Bioprocess Engineering”, Prof. U. C. Banerjee, National Institute of Pharmaceutical Education & Research (NIPER), Punjab, May 6-7, 2019.
- ❖ “Some Non-Parametric Inferences”, Prof. Amar Nath Gill, Panjab University, Chandigarh, May 7, 2019.
- ❖ “Gene Regulatory Network for Pathway Engineering in Plants”, Dr. Prabodh Trivedi, Senior Principal Scientist, CSIR-National Botanical Research Institute, Lucknow, May 14, 2019.
- ❖ “Fraudulent Practices and New Companies Act”, Dr. Sanjeev Gupta, Practicing CS, May 16, 2019.
- ❖ “Role of Teacher in the Modern Era”, Dr. Shimla, Former Registrar, BPSMV, Khanpur Kalan, Sonipat and YMCA, Faridabad, May 22, 2019.





- ❖ “Yoga for Healthy Heart”, Prof. Balvir Acharya, Former Professor, MDU and Prof. Naren Prakash, Former Professor, HAU, Hisar, June 20, 2019.
- ❖ “Mini Symposium on Recent Trends in Microbiology”, Prof. Rup Lal, TERI, New Delhi, Prof. J.S. Viridi, University of Delhi, and Prof. Prince Sharma, Panjab University, Chandigarh, July 29, 2019.
- ❖ “Human Values”, Prof. P.J. Phillip, NIT, Kurukshetra, July 31, 2019.
- ❖ “Foreign Language Teaching Assistant (FLTA) programme of USIEF Fulbright Commission India”, Dr. Gayatri Singhal, USIEF Fulbright Commission India, August 1, 2019.
- ❖ Motivational Lecture, Prof. J.S. Saini, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, August 2, 2019.
- ❖ “Skill Set-up”, Er. Ajay Jain, Sphinx Worldbiz Ltd., Noida, August 7, 2019.
- ❖ National Librarian Day Celebration & Expert Lecture on “Contribution by Dr. S.R. Rangnathan in Library Science” by Dr. D.V. Singh, Former Librarian, Delhi University Library System, August 9, 2019.
- ❖ “Opportunities in Life Sciences”, Prof. Yogender Singh, University of Delhi, August 20, 2019.
- ❖ “Opportunities and Challenges of Hypermarket in India”, Mr. Umesh Arora, HR Manager (SPAR Hypermarket), September 6, 2019.
- ❖ Motivational Lecture, Prof. Rajendra Anayath, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, September 3, 2019.



- ❖ “Protection of Cotton from Whitefly and Viral Diseases” Dr. P.K. Singh, Senior Principal Scientist, CSIR-NBRI, Lucknow, September 12, 2019.
- ❖ “Economic Indicators in India”, Prof. S.D. Vashisht, Dept. of Commerce, MDU, Sept. 25, 2019.
- ❖ “Literature in 21st Century India”, Prof. Anup Beniwal, Dept. of English, GGSIP University, New Delhi, Sept. 16, 2019.
- ❖ “Liberal Geography- Liberal Mind and Changing Life of People”, Prof. Kaushal Kumar Sharma, JNU, Sept. 17, 2019.
- ❖ “Livelihood Practice in Himalayas: A Solution to the Global Climate Change”, Dr. V.S. Negi, University of Delhi, Sept. 17, 2019.





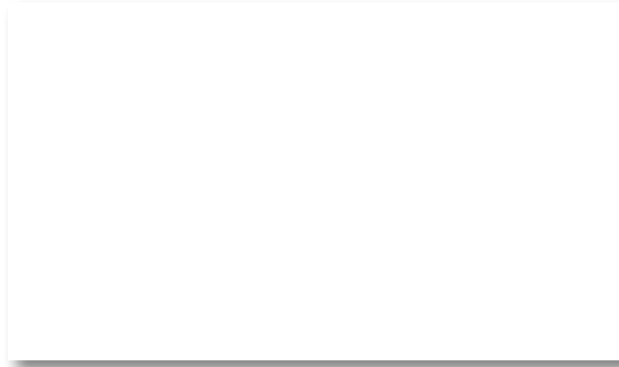
- ❖ “Career in Radio”, Mr. Pawan, Assistant Director, All India Radio (AIR), Hisar, September 23, 2019
- ❖ “Genesis of Indus Valley Civilization: A New Approach”, Prof. R.C. Thakran, University of Delhi, Sept. 26, 2019.
- ❖ “Scope of Tourism and Hospitality in India”, Chef Gulshan Kumar, Pinnacle Consultancy, September 27, 2019.
- ❖ “Attributes and Etiquettes for a Successful Hotelier”, Mr. Gagan Sharma, Vice President, Destination Planners, September 27, 2019.
- ❖ “Construction Management”, Er. Vipul Garg, Fidesto Project Ltd., Delhi, September 30, 2019.
- ❖ “Open Access and Digital Rights Management”, Prof. H.P. Kalra, Punjabi University, Patiala, October 05, 2019.
- ❖ “Election Reporting”, Mr. Manoj, *Aaj Tak*, October 10, 2019.
- ❖ “Concrete Durability”, Prof. R.K. Jha, J.K. Cement Ltd., October 10, 2019.
- ❖ “Ecofeminism: An Overview”, Prof. Mary Tahir, Jamia Millia Islamia, New Delhi, October 11, 2019.
- ❖ “Phenomenology and Critical Theory”, Dr. Sunil Babu C.T., Delhi School of Economics, University of Delhi, October 11, 2019.
- ❖ “Internet of Things (IOT)” and “Cryptography”, Prof. Yudhvir Singh, October 24, 29, 30 and November 1, 2019.
- ❖ “Operating System”, Prof. N.S. Gill, October 30 and November 1, 2019.
- ❖ “Modern Knowledge Organization Tools Thesaur”, Former University Librarian, University of Delhi, October 30, 2019.
- ❖ “Salient Features of Draft National Education Policy-2019”, Prof. Ved Prakash, Former Chairman, UGC, New Delhi, November 4, 2019.



- ❖ “Yogic Sūkṣma evam Sthūla Vyāyāma (Yogic practices for different organs of body as prescribed in Swami Dharendra Brahmchari’s Text)”, Shri Vinay Kumar Bharati, Yoga Therapist, Morarji Desai National Institute of Yoga, New Delhi, November 4-7, 2019.
- ❖ “Computer Networks”, Prof. Yudhvir Singh, November 6, 2019.
- ❖ “Operating System”, Prof. N.S Gill, November 8 and 15, 2019.



- ❖ “One-day Workshop on Film Appreciation”, Mr. Vikas Berwal (Writer and Director), Mr. Hari Om Kaushik (Actor & Director), November 13, 2019.
- ❖ “One-day Leadership Program”, Dr. Alka Suri, Director, DESIDOC, DRDO, Delhi, Dr. Rakesh Suri, HCL Wellness, Gurugram, November 14, 2019.
- ❖ “Projective Techniques”, Dr. Joginder Singh Kairo, PGIMS Rohtak, November 14, 2019.
- ❖ “Advanced Digital Printing Processes”, Prof. Anjan Kumar Baral, GJUST, Hisar, November 15, 2019.
- ❖ “Stability Analysis of Hyperbolic PDE”, Prof. Ranjan Kumar Mohanty, Department of Mathematics, South Asian University, New Delhi, November 18, 2019.
- ❖ “A Sequence of Linear Positive Operators”, Prof. Vijay Gupta, NSUT (formerly, Netaji Subhas Institute of Technology), New Delhi, November 19, 2019.
- ❖ “Climate Change”, Prof. Mary Tahir, Jamia Millia Islamia, New Delhi, November 22, 2019.



- ❖ “Gender Discourse”, Dr. Archana Pandey, Research Associate, NCERT, New Delhi, November 22, 2019.
- ❖ “Poetic Art of Kālidāsa”, Prof. Aruna Sharma, Ex-Professor & Head, Department of Sanskrit, Kurukshetra University, Kurukshetra, November 22, 2019.
- ❖ “Meghadūtam: The Poetic Gem of Kālidāsa”, Prof. Aruna Sharma, Ex-Professor & Head, Department of Sanskrit, Kurukshetra University, Kurukshetra, November 22, 2019.
- ❖ “An Approach to Bhvādi-prakaraṇa of Paninian Grammar (Bhū-dhātu- laṭ, lṛt, lañ, loṭ, vidhiliñ)”, Prof. Shri Krishan Sharma, Ex-Professor, Institute of Sanskrit & Indological Studies, Kurukshetra University, Kurukshetra, November 22, 2019.
- ❖ “An Approach to Bhvādi-prakaraṇa of Paninian Grammar (Bhū-dhātu- liṭ, lut, āsīrliñ, luñ, lṛñ)”, Prof. Shri Krishan Sharma, Ex-Professor, Institute of Sanskrit & Indological Studies, Kurukshetra University, Kurukshetra, November 22, 2019.
- ❖ “Critical Approach to Meghadūtam (Pūrvamegha- verses: 1-63)”, Prof. Aruna Sharma, Ex-Professor & Head, Department of Sanskrit, Kurukshetra University, Kurukshetra, November 23, 2019.
- ❖ “An Approach to Bhvādi-prakaraṇa of Paninian Grammar (Edh-dhātu- laṭ, lṛt, lañ, loṭ, vidhiliñ)”, Prof. Shri Krishan Sharma, Ex-Professor, Institute of Sanskrit & Indological Studies, Kurukshetra University, Kurukshetra, November 23, 2019.



- ❖ “An Approach to Bhvādi-prakaraṇa of Paninian Grammar (Edh-dhātu- liṭ, lut, āsiriṅ, luṅ, lṛṅ)”, Prof. Shri Krishan Sharma, Ex-Professor, Institute of Sanskrit & Indological Studies, Kurukshetra University, Kurukshetra, November 23, 2019.
- ❖ “Dramaturgy in Sanskrit Literature”, Prof. Aruna Sharma, Ex-Professor & Head, Department of Sanskrit, Kurukshetra University, Kurukshetra, November 24, 2019.
- ❖ “Authorities of Sanskrit Drama”, Prof. Aruna Sharma, Ex-Professor & Head, Department of Sanskrit, Kurukshetra University, Kurukshetra, November 24, 2019.
- ❖ “Practical Analysis of Pūrvakṛdanta-prakaraṇa of Sanskrit Grammar (sutras:784-813)”, Prof. Shri Krishan Sharma, Ex-Professor, Institute of Sanskrit & Indological Studies, Kurukshetra University, Kurukshetra, November 24, 2019.
- ❖ “Practical Analysis of Pūrvakṛdanta-prakaraṇa of Sanskrit Grammar (sutras:814-847)”, Prof. Shri Krishan Sharma, Ex-Professor, Institute of Sanskrit & Indological Studies, Kurukshetra University, Kurukshetra, November 24, 2019.
- ❖ “A Rhetoric Approach to Uttararāmacaritam of Bhavabhūti”, Prof. Aruna Sharma, Ex-Professor & Head, Department of Sanskrit, Kurukshetra University, Kurukshetra, November 25, 2019.
- ❖ “The Aṅgī-rasa of Uttararāmacaritam and its implementation”, Prof. Aruna Sharma, Ex-Professor & Head, Department of Sanskrit, Kurukshetra University, Kurukshetra, November 25, 2019.
- ❖ “The Sāṅkhya Philosophy in Indian Traditions”, Prof. Shri Krishan Sharma, Ex-Professor, Institute of Sanskrit & Indological Studies, Kurukshetra University, Kurukshetra, November 25, 2019.
- ❖ “Sāṅkhya-Kārikā of Īśvarakṛṣṇa: An Aphorism of Indian Philosophical Systems”, Prof. Shri Krishan Sharma, Ex-Professor, Institute of Sanskrit & Indological Studies, Kurukshetra University, Kurukshetra, November 25, 2019.
- ❖ “Computer Networks”, Prof. Yudhvir Singh, November 25, 2019.

## SOCIAL OUTREACH, CULTURAL AND AWARENESS ACTIVITIES

- ❖ Awareness about **Durga App** by Women Empowerment Cell on National Girl Child Day, Jan. 24, 2019.





- ❖ **Science Exhibition** for Neighbouring College Students, Feb. 18, 2019.
- ❖ Participation in **Drug-Free India Campaign** in Guru Jambheshwar University of Science & Technology, Hisar, Feb. 19, 2019.
- ❖ Celebration of Annual Inter-University **Cultural Fest (Spandan-2019) and Foundation Day**, Feb. 25-26, 2019.
- ❖ **Annual Alumni Meet**, Feb. 26, 2019.
- ❖ **Fifth Convocation** of the University, Feb. 27, 2019.
- ❖ **National Science Day**, Feb. 28, 2019.



- ❖ **Campus Placement Drive** by Power Plast Pvt. Ltd. Bhiwadi on March 6, 2019.
- ❖ Celebration of **International Women's Day** by Women Empowerment Cell and Department of Education, March 8, 2019.
- ❖ **International Day of Yoga** celebration through "Yogic Exercise", June 21, 2019.



## MAJOR ACHIEVEMENTS OF NSS/YRC VOLUNTEERS

- ❖ 7 volunteers of CUH participated in State-Level Youth Red Cross Training Camp at Kurukshetra, Jan. 4-9, 2019.
- ❖ Diagnostic Camp by Lal Path Lab., Jan. 17-18, 2019.
- ❖ Two volunteers participated in National Integration Camp and Pravasi Bharatiya Divas at Banaras Hindu University, Varanasi, Jan. 18-24, 2019.
- ❖ HIV-AIDS Awareness Programme, Jan. 23, 2019.





- ❖ Talk on Mental Health, February 07, 2019.
- ❖ 50 volunteers of CUH participated in the campaign “The Biggest Fight against Drugs” at GJUST, Hisar, February 19, 2019.
- ❖ Two volunteers of CUH Participated in National Integration Camp at Bhopal, March 10-16, 2019.
- ❖ Plantation Drive on March 17, 2019.
- ❖ 8 volunteers of CUH participated in State-level NSS Camp at GJUST, Hisar, March 22-28, 2019.
- ❖ Two-day Rural Immersion Camp, March 26-27, 2019.



## राजभाषा



राजभाषा हिन्दी के प्रचार-प्रसार को बढ़ावा देने के उद्देश्य से विश्वविद्यालय में राजभाषा अनुभाग 01 जनवरी, 2014 से कार्यरत है। राजभाषा नियमों के अनुसार विश्वविद्यालय में सभी नामपट्ट एवं दिशा-सूचक द्विभाषी लगाए हैं। इसके अतिरिक्त सभी विभागों एवं अनुभागों की मुहरे भी द्वि भाषी बनवाई गई हैं। विश्वविद्यालय की वेबसाइट द्विभाषी डिजाइन की गई है। विश्वविद्यालय के महत्वपूर्ण दस्तावेज जैसे- सूचना बुलेटिन, वार्षिक प्रतिवेदन एवं अन्य रिपोर्टें द्वि भाषी जारी की जाती हैं। संसद में प्रस्तुत होने वाले सभी

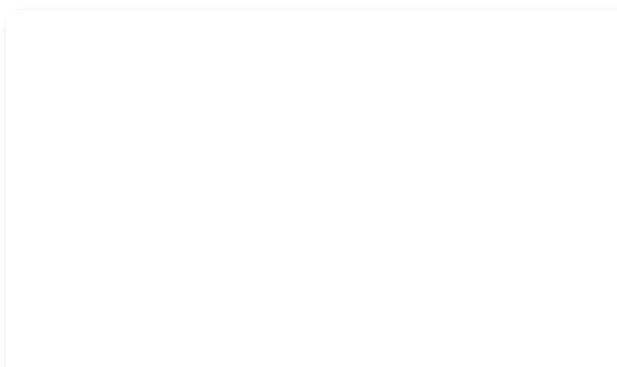
कागजात द्विभाषी ही तैयार किए जाते हैं। इसके अतिरिक्त विश्वविद्यालय के सभी कम्प्यूटरों में हिन्दी में काम करने की सुविधा उपलब्ध है।

प्रतिवर्ष की भांति इस वर्ष भी 11 सितम्बर, 2019 से 25 सितम्बर, 2019 तक हिन्दी पखवाड़ा मनाया गया, जिसमें आयोजित कार्यक्रमों एवं प्रतियोगिताओं में विश्वविद्यालय के विद्यार्थी, शिक्षक, कर्मचारी एवं विश्वविद्यालय के द्वारा गोद लिए गए गांवों के सरकारी विद्यालयों के बच्चे भी सम्मिलित हुए। कार्यालयीन कामकाज में हिन्दी के प्रयोग को बढ़ावा देने हेतु राजभाषा अनुभाग द्वारा प्रत्येक तिमाही में विश्वविद्यालय राजभाषा कार्यान्वयन समिति की बैठक व कार्यशाला आयोजित की जाती हैं, ताकि विश्वविद्यालय में हिन्दी में काम करने में किसी प्रकार की समस्या न हो। इसके अतिरिक्त हिंदी के प्रचार-प्रसार को बढ़ावा देने हेतु राजभाषा विभाग, गृह मंत्रालय, भारत सरकार द्वारा नगर राजभाषा कार्यान्वयन समिति (नराकास), महेंद्रगढ़ का गठन किया गया है। हरियाणा केंद्रीय विश्वविद्यालय नराकास, महेंद्रगढ़ का समन्वयक कार्यालय है।



## ACHIEVEMENTS OF STUDENT INNOVATORS

- ❖ The Student innovators participated in “Women of India Organic Food Festival”, Chandigarh on Jan. 12-14, 2019.
- ❖ The student innovators of the University participated in National Science Day and got first prize for the Model Exhibition on Feb. 28, 2019.
- ❖ The Centre for Innovation, Skill and Entrepreneurship Development (CISED) launched the “Voter Awareness Campaign” in the villages and towns of Mahendargarh district, April 18-28, 2019.
- ❖ The student innovators of the University participated in Two-day National Science Techno Fair organised by Indian Vigyan Prasar Network (VIPNET) and Future Innovation Foundation (India), at Nagaur on June 9-10, 2019. On this occasion, the student innovators bagged the Gold Medal for their models.

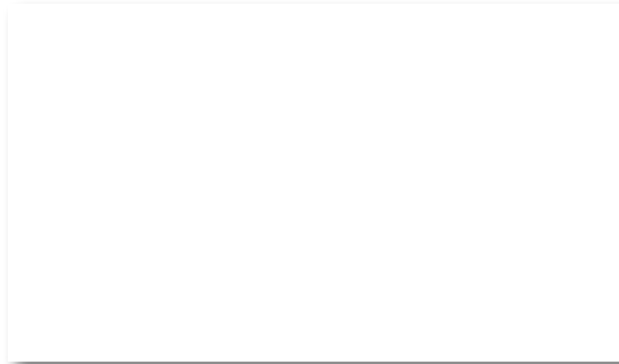


## DIGITAL INITIATIVES

- ❖ All Ph.D. and M.Phil theses have been uploaded on Institutional digital repository.
- ❖ 45 Ph.D. theses have been uploaded on ‘Shodh Ganga’ portal.
- ❖ All the students have been provided National Digital Library credentials.
- ❖ The University has created state-of the art 05 virtual classrooms & facility for creation and development of MOOC content and for video audio recording, and live webcast of lectures.
- ❖ The University has also created the facility of dedicated Conference Room for the *Swayam Prabha* DTH facility through which learners may access 32 educational channels.
- ❖ University has dynamic & Informative website certified by Cerf-In.
- ❖ Entire process of admissions and hostel registration is online.
- ❖ Online application for recruitment of teachers.
- ❖ University auditorium utilizes services of Panapto software for webcasting and recording of events.
- ❖ University campus is completely wi-fi enabled. A separate wi-fi Park has also been developed.
- ❖ University has 160 access points with cyberoam firewall facility for protection against external attacks.



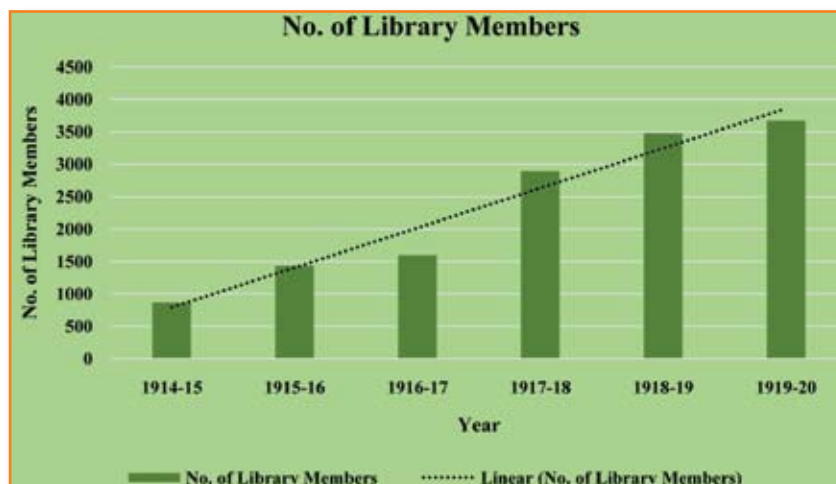
- ❖ IT cell keeps on conducting various digital and financial literacy programmes like introduction to e-resources, *Swayam Prabha*, usage of Bhim app and Paytm wallets for spreading awareness among University students & faculty members.
- ❖ Campus is fully networked via high and intelligent CISCO switch, the processes round the clock 1 GBPS leased line.
- ❖ Library has its own dynamic and informative website which is updated regularly for spreading awareness about e-resources to be utilized by University fraternity.
- ❖ Library provides access to rich e-journal collections, World e-book Library, and has subscription of Springer, Elsevier, Jstor, e-journals and Ebsco, McGraw Hill online databases and Scopus and Scifinder Citation databases.
- ❖ University updates all urgent information to MHRD via various portals i.e. Central University portal, and NHERC portal, whenever required.
- ❖ For creating academic/research profile of all teaching employees, University has IRINS portal by which research output of the University is calculated dynamically.
- ❖ Central library has Turnitin facility for enhancing the research quality by detecting plagiarism.



## LIBRARY

### Session-wise Central Library Statistics (2014-15 onwards)

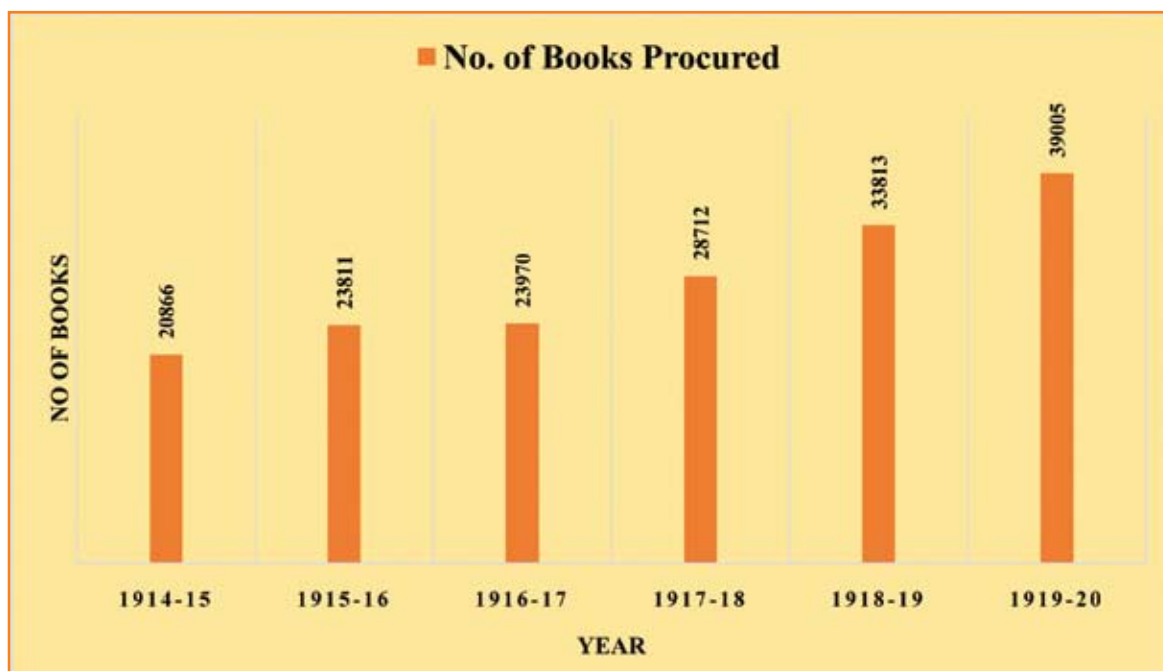
#### Library Members





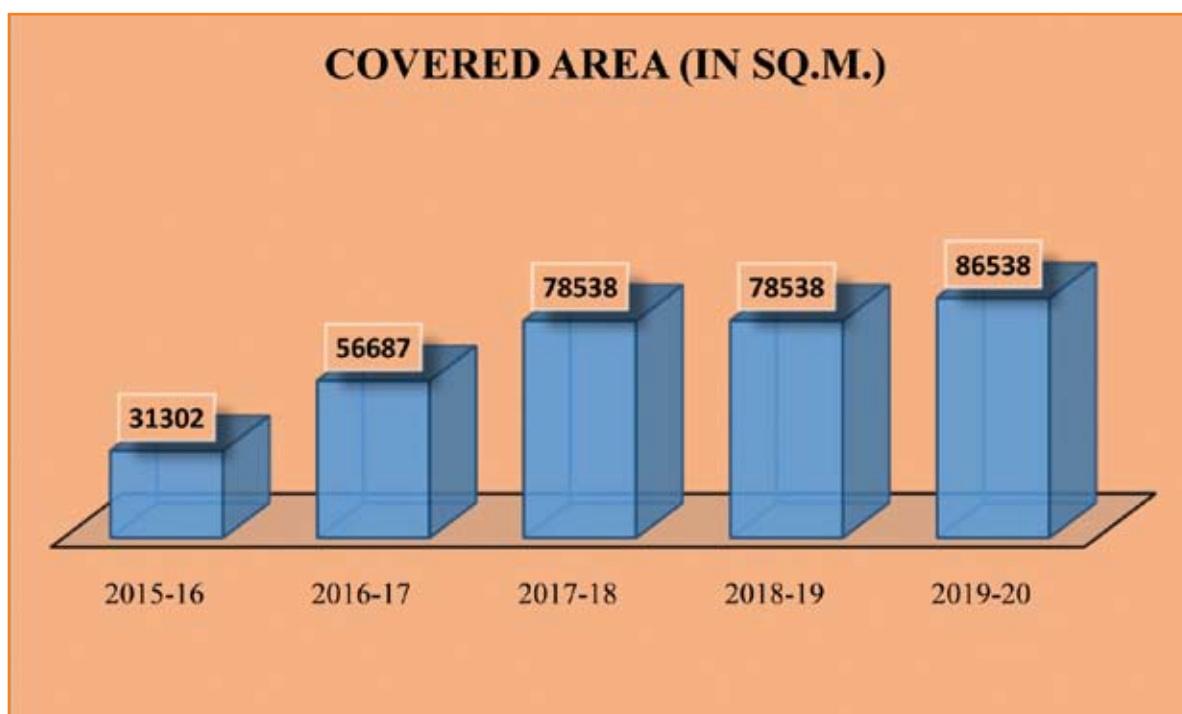


## Library Collection (2014-15 onwards)



## INFRASTRUCTURE

### Progression Chart of Constructed Area (2015-16 onwards)





## COVERED AREA OF THE ONGOING PROJECTS

Sr. No.	Name of work	Covered area (in sq.m.)
1	24 Nos. Type-III Staff Quarters	2576
2	24 Nos. Type-V Staff Quarters	5534
3	Boys' Hostel of 630 students capacity	15660
4	Girls' Hostel of 630 students capacity	15660
5	Health Center	630
	<b>Total</b>	<b>40060</b>



## THE BEST PRACTICES

- ❖ The University focuses on promotion of diversity, inclusivity and outreach which gets reflected through the NIRF score of 56.18 in “Outreach and Inclusivity” parameter, in NIRF Ranking-2019.
- ❖ The University has made it a tradition to declare the results within 15 days of conduct of the end-semester examinations.
- ❖ We are one of the leading universities to upload the certificates and degrees of the students on National Academic Depository.
- ❖ CUH is one of the fifteen participating universities to conduct Central Universities Common Entrance Test (CUCET) for admission to various programmes of study.
- ❖ Adoption of UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 and UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016.
- ❖ Turnitin Software for mandatory plagiarism check before submission of M.Phil/Ph.D. dissertation/thesis.
- ❖ Minimum two years regular stay for Ph.D. Programme.



- ❖ Introduction of Annual Best Researcher Award and the Award for Best Non-teaching employee on the basis of exemplary contribution in respective fields.



- ❖ Annual Administrative and Academic Audit as the regular feature of the University.
- ❖ GIAN programmes as the regular feature of the University.
- ❖ State of the art facility of Virtual Classrooms for development of e-content and MOOCs.
- ❖ Online admissions, registration and counselling; cashless transactions; dynamic website and optimum use of ICT in day-to-day administrative communications for transparent Governance.
- ❖ Robust Students Counselling Mechanism with the provision of faculty advisor to each individual student.
- ❖ Regular review and revision of syllabi with active participation of industry experts, wherever required.
- ❖ Notification of Academic Calendar prior to commencement of admission process. The dates of annual functions like Foundation Day, Annual Cultural Fest, Convocation and Annual Science Day have been fixed, and organised accordingly.
- ❖ Uninterrupted power supply and wi-fi facility.
- ❖ University has started the practice of annual presentation of the departments for sharing the best practices.
- ❖ Speed limit of 30 Kms/h for movement of vehicles within campus.



### Editorial Board

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| Dr. Tejpal Dhewa | Dr. Aarti Yadav | Sh. Jitender | Sh. Shailender Singh



## हरियाणा केन्द्रीय विश्वविद्यालय CENTRAL UNIVERSITY OF HARYANA

(Established vide Act No. 25 (2009) of Parliament)  
(NAAC Accredited 'A' Grade University)  
Mahendergarh, (Haryana)-123031