



CENTRAL UNIVERSITY OF PUNJAB

NAAC ACCREDITED 'A' GRADE UNIVERSITY
FIVE STAR RATING UNDER GRIHA-LD MASTER PLAN

RANKED AMONG TOP 100 BEST UNIVERSITIES OF INDIA IN NIRF INDIA RANKINGS 2020

BATHINDA-BADAL ROAD, V.P.O. GHUDDA, DIST. BATHINDA – PUNJAB

CUPB NEWSLETTER

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EDITORIAL

In continuation to its scholarly academic works, Central University of Punjab (CUPB) has added another feather to its cap by snapping 87th position in India's Best University Category in NIRF India Rankings 2020. The University improved its NIRF Rankings with eight spots as compared to its 95th Rank in the previous year. CUPB once again leads among the newly established central universities and becomes the Youngest University to be ranked among top 100 Universities of India. CUPB showcased excellent performance in Outlook I-care India Annual Rankings 2020 and achieved 12th position among all central universities of India.

One of the major events that took place during this period include the inauguration of University's New Campus and newly constructed buildings spread in 500 Acres at Village Ghudda, District Bathinda by Hon'ble Minister of Education Shri (Dr.) Ramesh Pokhriyal 'Nishank' on 12th October 2020. The shifting of University to its permanent campus will empower CUPB to provide wider learning opportunities, to promote innovation & scientific temperament and to set new benchmarks in the field of education & research.

Another important event is the successful completion of the tenure of the second Vice Chancellor of CUPB, Prof. R.K. Kohli and assumption of office by Prof. Raghavendra P. Tiwari as the University's new Vice Chancellor on 22nd August 2020. His Excellency, Shri. Ram Nath Kovind, Honourable President of India, in his capacity as the Visitor of University has appointed Prof. Tiwari as the third Vice Chancellor of CUPB as per the Statute 2 of Central Universities Act 2009.

During this period, CUPB launched a Learning Management System powered by INFILBNET to provide uninterrupted learning opportunities to its students. The University signed MoU with AIIMS, Bathinda to promote new academic partnership. The research contribution of the faculty at CUPB has been recognized time and again. During this period, CUPB faculty Prof. Vinod K. Garg brought laurels to the University as he was ranked among the Top 2% Indian Scientists in Environment Sciences discipline by a survey conducted Stanford University, U.S.A.

During the last six months, CUPB organised several Online Workshops/Webinars including International Workshop on Tangled-Bank; Workshop on Impact of COVID-19 Lockdown on Environment; Blue-Plane Workshop; Workshop on Curriculum Design & Development; Online Science Leadership Workshop; National Workshop on COVID-19 & South Asian Politics; Webinar on Language & Literature Teaching in the present scenario; Workshop on Curriculum Design for Science Faculty; Webinar on COVID-19 & Global Economy; Webinar on Swadeshi to AtmaNirbhar Bharat and others. Besides this, CUPB organised Series of Webinars on different dimensions of NEP-2020 & its implementation. In addition to this, several departments of the university conducted webinars on career opportunities in various sectors and their skills requirement to encourage students to develop such specialized skills. The University also celebrated Hindi Pakhwada from 14th to 28th September 2020. Faculty & Research Scholars from India & Abroad registered and participated in these National/International Workshops. Apart from academic activities, the university organised special programmes on different occasions for the holistic development of students.

Another memorable event occurred during this timeline was the farewell ceremony of Prof. P. Ramarao, Dean Academic Affairs, & Head, Pharmaceutical Sciences & Natural Products Department, who retired after completing 41 years of outstanding service.

The Vision and Mission of the University is well aligned to actualize National Education Policy-2020. The faculty, staff and students are committed to make this University one of the best HEI of India.

MAJOR EVENTS

August 22, 2020: Prof. Raghavendra P. Tiwari assumed Office as the third Vice Chancellor of the Central University of Punjab

A distinguished academician, Prof. Raghavendra Prasad Tiwari, assumed the office as the third Vice Chancellor of the Central University of Punjab on Saturday, 22nd August 2020. His Excellency, Shri. Ram Nath Kovind, Honourable President of India, in his capacity as the Visitor of University has appointed Prof. R.P. Tiwari as the third Vice Chancellor of CUPB as per the statute 2 of the Central Universities Act 2009. As per the letter issued by Ministry of Education to CUPB Registrar on 13th August, 2020 the term of service of Prof. Tiwari as Vice Chancellor will be of five years from the date on which he enters upon his office, or until he attains the age of seventy years, whichever is earlier, Prof. R.K. Kohli, the second Vice Chancellor of CUPB, conveyed his best wishes to Prof. Tiwari, and relinquished the charge to the new Vice Chancellor in the presence of university officials and faculty members.



Photograph of Prof. Raghavendra P. Tiwari after assuming office as CUPB Vice Chancellor

Prof. R.P. Tiwari has an impressive academic & administrative experience of over thirty-six years. Before joining as the Vice Chancellor of CUPB, Prof. Tiwari was working as the Vice Chancellor of Dr. Harisingh Gour Vishwavidyalaya, Sagar. He has also served as Dean, School of Earth Sciences and Natural Resource Management, and Head of Dept. of Geology at Mizoram University. Prof. Tiwari did PhD in Geology (Palaeontology) from Gauhati University. He specialized in the field of Earth Sciences including Palaeontology & Stratigraphy, and Seismology &

GPS Geodesy. He was conferred with L. Rama Rao Birth Centenary Award (2012) from Geological Society of India for his significant contribution to Indian Stratigraphy and Palaeontology.

While entering the land of Punjab, he bowed to the holy soil of Punjab. Before joining the office, Prof. R.P. Tiwari visited CUPB Monument built at Central University of Punjab Main Campus situated at Ghudda, Dist. Bathinda, to promote the spirit of Jai Jawan, Jai Kisan, Jai Vigyan, and Jai Anusandhan. After taking the charge as the Vice Chancellor of the University, Prof. Tiwari, paid obeisance at 'Takhat Shri Damdama Sahib, Talwandi Sabo.'



Prof. R. P. Tiwari bowing down to the holy land of Punjab while entering the state for assuming the responsibility of the Office of Vice Chancellor

We will work together to make education accessible to all by following the fundamental principles of non-discrimination, solidarity, equality of opportunity & treatment for all, and universal access to education – Prof. Tiwari

After assuming the office, Prof. R.P. Tiwari interacted with the faculty and staff of the university. In his address, Prof. Tiwari mentioned that we will work together to make education accessible to all by following the fundamental principles of non-discrimination, solidarity, equality of opportunity & treatment for all, and universal access to education, He asserted that all efforts would be made to enhance the standards of teaching & research to international level, and to make CUPB as one of the best Universities in the country.

October 12, 2020: Hon'ble Union Education Minister Shri (Dr.) Ramesh Pokhriyal 'Nishank' inaugurated the New Campus & Newly Constructed Buildings of Central University of Punjab

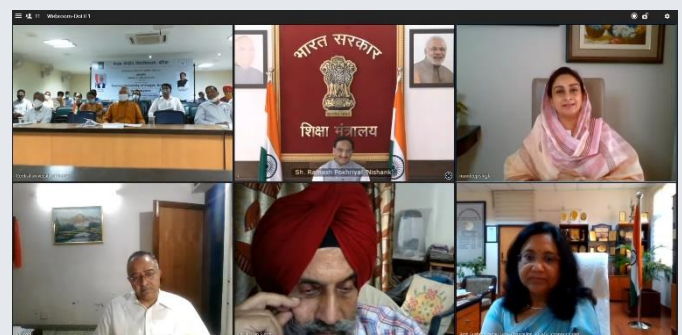


Hon'ble Minister of Education Shri (Dr.) Ramesh Pokhriyal Nishank inaugurating the New Campus and Newly constructed buildings of Central University of Punjab in the presence of Member of Parliament from Bathinda Constituency Smt. Harsimrat Kaur Badal, Vice Chancellor Prof. Raghavendra P. Tiwari and CUPB Faculty & Staff members

Hon'ble Union Education Minister Shri (Dr.) Ramesh Pokhriyal Nishank' virtually inaugurated the ultramodern New University Campus and the newly Constructed Buildings of the Central University of Punjab, Bathinda (CUPB) situated at Village Ghudda, of Bathinda Dist. of Punjab, in the illustrious presence of Smt. Harsimrat Kaur Badal, Member of Parliament, Bathinda Lok Sabha Parliamentary Constituency, through a video conference.

A total of 10 Buildings and University Monument (dedicated to 'Jai Jawan, Jai Kisan, Jai Vigyan and Jai Anusandhan') at CUPB New Campus, built at the cost of Rs 203.78 Crore was inaugurated by the Union Education Minister. These construction works come under 'Phase-1A' of the development plan of CUPB New Campus, the foundation stone of which was laid on 7th September 2015 by the then Union Minister of Human Resource Development, Smt. Smriti Zubin Irani and the then Chief Minister of Punjab, Sardar Parkash Singh Badal. The names of buildings to be inaugurated are Aryabhatta Academic Block, Netaji Subhash Chandra Bose Guest House, Shaheed Bhagat Singh PG Boys' Hostel, Mata Gujari PG Girls' Hostel, Annapurna Bhojnalya Bhawan, Rai Bahadur Sir Ganga Ram Water Treatment & Supply Centre, Sir M. Visvesvaraya Sewerage Treatment Plant, Radhakrishnan Residential Complex, APJ Abdul Kalam Residential Complex, and Swami Dayanand Saraswati Residential Complex

Speaking on this occasion Shri Pokhriyal mentioned that the present situation in the world taught us that a "Self-reliant India" (AatmaNirbhar Bharat) is the only path to move ahead and the 'National Education Policy' (NEP-2020) will guide us to achieve our mission of making India a 'Global Knowledge and Innovation Centre' of the world. Shri Pokhriyal appreciated that the Central University of Punjab is doing remarkable work in the field of education & research. He praised CUPB for implementing the best administrative and teaching practices; the University Grants Commission is considering implementing them in other universities as well. He added, it is a matter of pride for Punjab that the teachers at CUPB got trained from the best universities in the countries like America, Canada, Germany, England, Israel, Japan and Australia. Not only this, but the University also has students from 28 states of the country, faculty from 19 states and staff from 12 states.



Screenshot of the Programme

The Hon'ble Minister also praised the CUPB family for creating an environmentally friendly and green campus by planting more than 40,000 trees (mostly indigenous) inside the campus. He expressed his firm belief that in this state of art new campus, CUPB faculty and students will set high standards in infrastructural growth, in academic and co-academic excellence.

10 Buildings & University Monument at CUPB New Campus built at the cost of Rs 203.78 Crore was inaugurated by Hon'ble Minister of Education Shri (Dr.) Ramesh Pokhriyal 'Nishank'

Smt. Harsimrat Kaur Badal, Member of Parliament, Bathinda Lok Sabha Parliamentary Constituency, congratulated CUPB employees, students, and people of Punjab on the inauguration of New Campus of Central University of Punjab at Village Ghudda, Dist. Bathinda. She stated that Bathinda City will now be known as the education hub of Punjab as students from across the country and overseas will come here for quality education.

Prof. (Dr.) Raghavendra P. Tiwari, the Vice Chancellor of the Central University of Punjab, extended a warm welcome to Shri Pokhriyal and Smt. Harsimrat Kaur Badal and presented special features of the University. The Vice Chancellor stated that the lush green new campus of CUPB spreads in 500 acres is first of its kind in the country that has been uniquely designed to be environment-

friendly & energy-efficient as per GRIHA-V norms. The Master Plan of CUPB Main Campus has been certified with five-star ratings of 'GRIHA' for larger developments, which is the highest award given by the Ministry of Urban Development, Govt. of India.

In his welcome address, CUPB Vice Chancellor Prof. Tiwari mentioned that this day will be historic for Punjab, Punjabi, and Punjabyat, where youngsters of India would be benefited with quality education in an ultra-modern New Campus of the Central University of Punjab. He informed that in a short span of 11 years from its inception in 2009, CUPB has already set new benchmarks in the field of education and research while working from makeshift campus. He shared that currently, the University is providing 42 Post-Graduate and 35 Ph.D. Programme through its 31 departments. He asserted that this New Campus will provide a platform to CUPB to realise the vision of 'National Education Policy' (NEP-2020), by providing ample opportunities of higher education to youngsters of India to empower them to contribute towards nation's development and Self-reliant India.

The programme commenced with the recitation of the University Anthem and concluded with the singing of the National Anthem. The live-streaming of the CUPB New Campus Inaugural Ceremony was attended online by Founder Vice Chancellor Prof. Jai Rup Singh and Former Vice Chancellor Prof. R. K. Kohli, University faculty, staff, students, and people from across the country. Prof. V.K. Garg, Officiating Registrar, gave the formal vote of thanks.



Member of Parliament from Bathinda Constituency Smt. Harsimrat Kaur Badal attending the programme



Hon'ble Minister of Education Shri (Dr.) Ramesh Pokhriyal 'Nishank' addressing the participants



Vice Chancellor Prof. Raghavendra P. Tiwari and CUPB Faculty & Staff members attending the programme

September 8, 2020: CUPB is the Country's Ninth & Punjab's first University to launch the Learning Management System with e-PG Patashala course content



UGC Chairman Prof. D.P. Singh launching CUP-LMS during the Inaugural Ceremony

To enhance the quality of online learning experience amid COVID-19 times, Central University of Punjab, Bathinda (CUPB) has launched a Learning Management System (LMS) which will not only help the students who are residing in the remote part of the country but also teachers to reach the students beyond the classrooms. CUPB is the first University of Punjab and ninth in the Country to successfully launch the Learning Management System with e-PG Pathshala Course Content. The launching of an advanced CUP-LMS happened under the guidance and mentorship of Hon'ble Vice Chancellor Prof. Raghavendra P. Tiwari.

On this occasion, Prof. Dharendra Pal Singh, Hon'ble Chairman, University Grants Commission, who launched the LMS as the Chief Guest, appreciated Vice Chancellor Prof. Tiwari for his valuable contributions in the higher education sector as a member of UGC & NAAC, and hoped that under his leadership, this university will achieve new benchmarks in the field of higher education. He also appreciated the significant milestone of the Central University of Punjab, for attaining 87th rank in NIRF Rankings. He shared that the vision of NEP-2020 is to develop responsible global citizens who will be connected with our ancient values, adopting an innovative approach, and implementing sustainable development practices to realize the vision of self-reliant Bharat. He desired CUPB to set new benchmarks in the higher education sector and emerge as a role model for other universities in the region.

Prof. J.P. Singh Joorel stated that INFILBNET team is committed to develop an advanced Learning Management System to provide a dynamic teaching-learning platform to education institutions during this pandemic situation.

He shared that CUP-LMS would provide interactive options for concept-discussion, assignment submission, and video conferencing to ensure real-time classroom experience to students. In addition, this portal would also help teachers to evaluate the progress of students with the help of various evaluation options.

The vision of NEP-2020 is to develop responsible global citizens who will be connected with our ancient values, adopting an innovative approach, and implementing sustainable development practices to realize the vision of self-reliant Bharat – Prof. D.P. Singh

While sharing the details of CUP-LMS, the Vice Chancellor, Prof. Tiwari, informed that this platform would provide authenticated e-learning contents related to e-PG Pathshala, UGC MOOCs, and OERs to be developed by CUPB faculty to ensure immersive learning experience to our students. He expressed indebtedness towards the UGC & INFILBNET for extending necessary support for the development of this platform in the best interest of students amidst the current pandemic situation. He appealed to the faculty members and students to ensure the fullest use of LMS. He stated that the introduction of CUP-LMS would add strength to the University's commitment to creating new knowledge in academic disciplines, designing systems for continuous learning, and to make quality education accessible to all. He emphasized that the launching of CUP-LMS will help us to implement all imperatives of NEP-2020 in our University & provide 24*7 teaching-learning support during the COVID-19 time to our students from 28 states of India. He added that high-quality digital content provided through this platform will spread positive vibes of CUPB across the globe and will set a roadmap towards excellence by setting new standards in the field of online education.

Shri K.P.S. Mundra, Registrar, delivered the formal vote of thanks.

November 4, 2020: CUPB & AIIMS, Bathinda signs MoU to promote new academic partnership

Central University of Punjab, Bathinda (CUPB) & All India Institute of Medical Sciences, Bathinda (AIIMS, Bathinda) signed a Memorandum of Understanding (MoU) to promote cooperation in education, innovation and research in the field of biomedical and related sciences. The signing in ceremony of the Memorandum of Understanding (MoU) took place on Wednesday at AIIMS, Bathinda where Prof. Raghavendra P. Tiwari, Vice Chancellor, CUPB and Prof. Dinesh Kumar Singh, Director, AIIMS, Bathinda inked the pact in the presence of media journalists, and officials from both sides.



CUPB Vice Chancellor Prof. R.P. Tiwari & AIIMS Bathinda Director Prof. D.K. Singh exchanging MoU during Signing Ceremony

Speaking on this occasion, Prof. Raghavendra P. Tiwari, Vice Chancellor, CUPB, mentioned that the objective of this MOU is to promote the knowledge of medical sciences in India, to secure cooperation between both institutes, and to work together to advance the progress of medical/basic sciences. He stated this MOU is aimed at promoting interaction among faculty members, scientists, scholars and students of both these institutes to help each other & share latest knowledge in their research areas.

The objective of this MOU is to promote the knowledge of medical sciences in India, to secure cooperation between both institutes, and to work together to advance the progress of medical/basic sciences

- Prof. R.P. Tiwari

He emphasized, this MOU will promote collaboration in areas of conducting joint research, developing proposals for joint research projects, working as supervisor / co-

supervisor for Ph.D., and providing each other access to research facilities present in their institutes. He expressed his belief that this will be a historic moment for the people of Punjab as the premier medical & education institute of this region managed by the central government will work together to generate new knowledge for the welfare of society.

While interacting with Media Journalists, Prof. Dinesh Kumar Singh, Director, AIIMS Bathinda, shared that under this MOU, both the institutes will work together to promote academic and research activities

The overall aim of this MOU will be to understand the cause of the disease and to develop targeted therapy for previously untreatable cases
- Prof. D.K. Singh

related to basic as well as clinical sciences (with special focus on common monogenic multifactorial/ adult-onset disorders prevalent in Malwa region of Punjab). He stressed that the overall aim of this MOU will be to understand the cause of the disease (including clinical & molecular machinery and environment factors) and to develop targeted and tailored therapy for previously untreatable cases, and to develop durable cures for the people. He asserted that both CUPB & AIIMS Bathinda have huge potential to contribute to the nation & this collaboration will provide a way forward to both institutes to become the centres of excellence.

The MoU signing ceremony was attended by Mr. Divendra S Rawat, Deputy Director Administration, AIIMS, Dr. Satish Gupta, Deputy Medical Superintendent, AIIMS, Dr. Navita Aggarwal, Registrar AIIMS Bathinda, Dr. Lata Goyal, Dean Research AIIMS Bathinda, Prof. Vinod K Garg, Dean Students' Welfare, CUPB, Prof. R.K. Wusirika, Dean Incharge Academics, CUPB, Prof. Anjana Munshi, Dean Research, CUPB, Shri. Kanwal Pal Singh Mundra, Registrar, CUPB, Officers, and faculty members from both institutes.

VICE CHANCELLOR'S VISION

October 6, 2020: CUPB Vice Chancellor Prof. Tiwari shared his vision & roadmap for the next five-years

The Vice Chancellor of the Central University of Punjab, Prof. Raghavendra P. Tiwari addressed the faculty & officers for sharing his vision and roadmap for the next five years to take CUPB to new heights and contribute meaningfully for improving the socio-economic conditions of the society.



Vice Chancellor Prof. Raghavendra P. Tiwari

While addressing the faculty members, Prof. Tiwari stated that the primary aim of CUPB is to empower students through a sound education system & to impart in them the competencies, life-skills, ethos, and values to become a meaningful citizen of the globalized world.

He further stated that to achieve this objective we need to implement all imperatives of NEP-2020 and adopt transformative and translational approaches in all aspects of education. He mentioned that with the efforts of our talented faculty, CUPB, in a short lifespan of 11 years, has made its mark in the list of top 100 Universities of India by securing 87th position in NIRF 2020 India Rankings. He urged CUPB faculty to strive hard to improve University Rankings further and serve the society in a befitting manner.

While sharing his vision and roadmap for the next five years, Prof. Tiwari appealed to all faculty members to adopt learner-centric pedagogies aimed at developing creativity, critical thinking ability & problem-solving skills in students. He emphasized that research scholars should be motivated to conduct research on finding innovative solutions to the contemporary issues of our society and on the ways to achieve Sustainable Development Goals.

Also, our objective of research should be to find solutions to the local and regional issues like groundwater contamination in Malwa region, he added. Prof. Tiwari underlined that, in post-COVID-19 time, online digital education will be the new normal and CUPB faculty should focus on developing Online Educational Resources for MOOCs & CUPB Learning Management System. He highlighted that there is a need to promote the culture of innovation & entrepreneurship, and activities like Smart Hackathon, Innovative Idea Competitions, Industry Visits etc should be organised to nurture budding entrepreneurs. He encouraged CUPB faculty to develop innovative processes for collaborative working with industry, to understand the market requirements and develop skills of students to enhance their employability chances accordingly.

Faculty members should adopt learner-centric pedagogies aimed at developing creativity, critical thinking ability & problem-solving skills in students

– Prof. R.P. Tiwari

During his address, Prof. Tiwari highlighted that we need to focus on adopting environment-friendly sustainable practices and promote paperless working. He asserted that CUPB has to play an important role in bringing social change and we should organise maximum activities such as mentoring of schoolteachers/students, awareness programmes for society, plantation drives, health check-up camps etc, as a part of Institutional Social Responsibility. He shared that to achieve the Prime Minister's vision of AtmaNirbhar Bharat, we should aim to make CUPB 'Self Sustainable University' in future and efforts should be made to generate revenue by offering knowledge-consultancy to industry & corporates for the growth of University.

UNIVERSITY ACHIEVEMENTS

June 11, 2020: Central University of Punjab ranked at 87th Position in “University Category” of MHRD’s NIRF India Rankings 2020

Central University of Punjab has achieved another milestone by getting 87th Rank in the University Category in MHRD’S NIRF India Rankings 2020. This University get figured in the list of Top 100 Best Universities of India for the second time in the last two consecutive years. CUPB once again stood on top with the best rank among all the other newly established Central Universities of India in National Institutional Ranking Framework (NIRF) 2020 India Rankings released by honourable HRD Minister Dr. Ramesh Pokhriyal Nishank on 11th June 2020. CUPB has improved its ranking in NIRF this year by getting 87th Position in 2020 Edition, as compared to 95th rank in NIRF 2019 Rankings.

To rank Universities/Institutes across the country, NIRF follows MHRD approved Methodology to evaluate the educational institutions on five parameters. The details of these parameters are: “Teaching, Learning and Resources,” “Research and Professional Practices,” “Graduation Outcomes,” “Outreach and Inclusivity,” and “Perception”. A total of 3771 unique institutions participated in “NIRF

India Rankings 2020”. MHRD ranked all educational institutions across the country in 10 different categories.

Prof. S.S. Johl, honourable Chancellor of CUPB congratulated faculty, staff & students on this remarkable achievement and encouraged employees to continue their excellent work and motivated them to make this university as one of the best universities across the world.

Prof. R.K. Kohli, the Vice Chancellor, stated that CUPB is the Youngest University, & the only university among the newly established Central Universities, which has made its way to get ranked among the Best 100 Universities of India list for the second time in the last two years. He added, in NIRF Rankings 2020, our University showcased better performance and took a leap of eight spots by getting 87th position as compared to 95th spot of last year. He dedicated this success to the hard work of CUPB faculty, officers, staff, IQAC Cell & university students.

September 13, 2020: Central University of Punjab ranked at 12th position in ‘Top Central Universities of India’ Category in Outlook-Icare India Annual Rankings 2020

Central University of Punjab, Bathinda has added another feather in its cap by achieving 12th Rank amongst all central universities in the country. Outlook India-Icare Survey 2020 released, recently also placed CUPB in the 73rd Rank amongst the top Indian Universities in the overall category.

In this ranking, the 13th position in Top Central Universities list of Outlook India-Icare Rankings was held by Dr.Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh. The Vice Chancellor of CUPB Prof. Raghavendra P. Tiwari also served for more than five years as the Vice Chancellor of Dr.Harisingh Gour Vishwavidyalaya, Sagar, before joining the Central University of Punjab, Bathinda on 23.8.2020.

While expressing his happiness over the success of CUPB, Prof. Raghavendra P Tiwari, Vice Chancellor, CUPB, shared that with the view to help students to make informed choices, Outlook India, evaluated educational institutions on five parameters: Academic & Research Excellence, Industry Interface & Placement, Infrastructure and facilities, Governance & Admissions, and Diversity & Outreach. In all these parameters put together, CUPB got 512.72 out of 1000 points. He gave the credit of this success to the hard work and dedication of CUPB faculty, officers, staff, IQAC Cell and most importantly, to the university students.

September 16, 2020: CUPB becomes student top-choice for quality higher education: More than 83000 applications received for P.G./Ph.D. Programmes through CUCET-2020

Central University of Punjab Bathinda (CUPB) becomes student's top choice for quality higher education in India as the University received more than 83000 applications through CUCET-2020 for admissions against 1267 seats in 42 Post-Graduate & 35 Doctoral Programmes. The registration process for CUCET-2020 was completed on 6th June 2020 and its examination dates are scheduled from 18th to 20th September 2020. The test centres of CUCET-2020 are earmarked at 141 selected cities of India where applicants would appear in their respective examination by strictly following CUCET rules & COVID-19 preventive guidelines.

Shri Kanwalpal Singh Mundra, CUPB Registrar & Controller of Examination, informed that CUPB has registered an increase in the demand ratio of P.G. & Ph.D. Programme seat from 1:48 & 1:104 respectively in 2019-20 to 1:58.8 & 1:109.41 respectively in 2020-21. He mentioned that the increase in student's interest to study at the Central University of Punjab is the result of high-quality teaching & research exposure provided by our qualified faculty and well-trained staff. He conveyed their best wishes to the students who will appear in CUCET-2020 Examination & appealed to them to stay safe by strictly following COVID-19 guidelines as advised by the government.

October 16, 2020: Central University of Punjab's Environmental Science Professor shines in the List of World's Top Scientists Rankings

Prof. V. K. Garg, faculty of Department of Environment Science and Technology at Central University of Punjab has been named among Top 2% Indian Scientists in Environment Sciences discipline in the database of over 1 Lakh top Scientists of the World. The subject wise-analysis in this database has been conducted by the team of Stanford University, USA led by Dr. John PA Ioannidis and the same has been published by the reputed Journal 'PLOS Biology' on 16th October. This database has been prepared on the basis of standardised citation indicators such as information on Citations, H-index, co-authorship and a composite indicator.

Vice Chancellor Prof. Raghavendra P. Tiwari congratulated Prof. Garg for bringing laurels to CUPB through his research publications. He stated that this achievement will motivate the entire CUPB Faculty to set a benchmark in the field of education & research.

In this study, Prof. V.K. Garg ranked 15th in India and 698th worldwide in the list of top scientists of Environmental Science discipline. He has published around 157 Research papers with 13500 plus citations and overall C-Score of 3.4.

UNIVERSITY EVENTS

May 31, 2020 to June 5, 2020: CUPB successfully organized a six-day Online International Workshop ‘Tangled Bank’

Central University of Punjab, Bathinda (CUPB) successfully organized a six-day Online International Workshop “Tangled Bank” from 31st May to 5th June 2020. The Programme was jointly conducted by the Department of Botany, CUPB, and Indian National Young Academy of Sciences (IN-YAS). The title of this Workshop is connected to the theme of World Environment Day 2020, i.e. “Celebrate Biodiversity”. CUPB Vice Chancellor Prof. R.K. Kohli presided over both the inaugural and valedictory session of this Workshop. Dr. Anindita Bhadra from IISER Kolkata who is also the Founding Chairperson of IN-YAS, joined the concluding session as the special guest. This Online Lecture Series included 15 interactive sessions by renowned scientists/academicians on all domains of Biodiversity. This Workshop was attended by 1425 participants from different parts of our country. In addition to this, 48 international participants registered in this Workshop and marked their presence from Germany, Canada, US, UK, Spain, Portugal, UAE, Uruguay, Chile, Philippines, Australia and New Zealand.

Dr. Anindita Bhadra, briefed about the working process of premier science academies like IN-YAS, and Global Young Academy (GYA). She added that we will continue our efforts to foster scientific temperament and to uphold Article 51 (A) of the Indian Constitution.

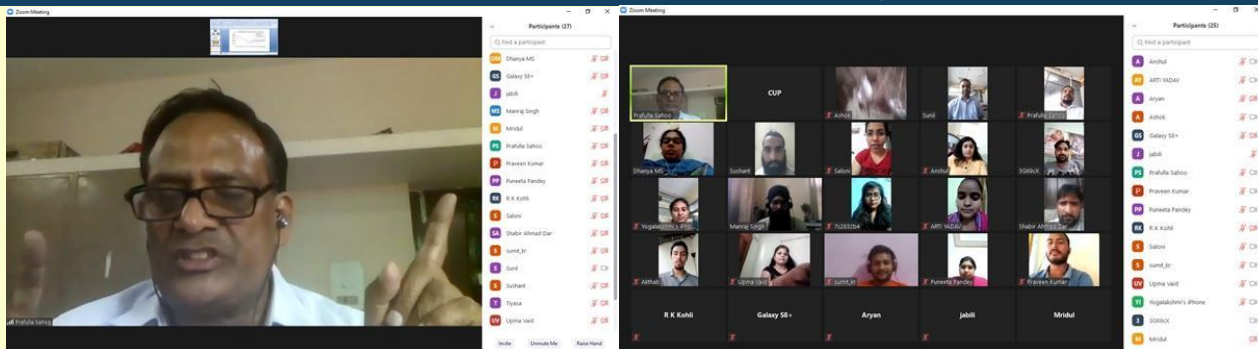
Prof. Paramjit Singh, Head, Department of Botany, and Co-Convener of this Workshop expressed his sincere gratitude towards authorities and mentioned the program featured well-known taxonomists from India and abroad who delivered lectures on various organisms, including bacterial diversity, mangroves, Indian songbirds, damselflies, frogs, snakes, dogs, rhododendrons, diatoms, mollusks, fishes, animal diversity etc. He asserted that this Online Lecture Series has achieved its purpose of strengthening the scientific temperament of participants in the field of Biodiversity, as it offered them comprehensive information on different Biodiversity spheres and related topics like Biodiversity Laws, Citizen Science, and Biodiversity-Documenting Apps etc. He thanked Dr. Felix Bast, the Programme Coordinator, Dr. Vinay Kumar and other members of the organizing team, for the successful execution of this Programme.



Vice Chancellor Prof. R.K. Kohli addressing the Inaugural Session of “Tangled Bank” Online Workshop

During the concluding session of this Workshop, Vice Chancellor Prof. R. K. Kohli delivered a detailed talk on “Biodiversity”. In his address, he stressed on the importance of preserving Biodiversity and fighting invasive alien species. He congratulated Prof. Paramjit Singh and members of the organizing team for conceptualizing this programme and its successful completion.

June 5, 2020: Central University of Punjab organized a Webinar on “Impact of COVID-19 Lockdown on Environment” on World Environment Day



Prof. Vinod K. Garg delivering lecture during the Webinar

To celebrate World Environment Day 2020, the Department of Environmental Science and Technology, Central University of Punjab Bathinda (CUPB) organized a Webinar on the theme “Impact of COVID19 Lockdown on Environment” on 5th June 2020. CUPB Vice Chancellor Prof. R.K. Kohli presided over the Event. The keynote speaker of this Webinar was eminent Environmental Scientist Prof. Vinod Garg. He talked about the impact of COVID19 Lockdown on Air Quality, Water Quality, Wildlife, Carbon emissions, Deforestation, Food Production, and other environmental aspects. More than 100 participants from across the country participated in this programme through digital teaching aids.

In the beginning, Dr. Sunil Mittal, Associate Dean, School of Environment and Earth Sciences, welcomed the participants and introduced the keynote speaker.

During his Lecture, Prof. V.K. Garg discussed the effect of these strategies on the environment by citing recent examples. He informed that the sharp decline in the use of transportation and industrial activities during lockdown has resulted in the reduction of global carbon emissions by 17%. In this period, the Nitrogen Oxide levels have reduced from 20-30% in all major cities of China, Europe, USA and India which has resulted in improvement in Air Quality. He further shared that the two-month Lockdown has resulted in improvement in water quality levels of all the rivers of our country. The level of Suspended Particulate Matter (SPM) in all lakes (including Vembanad Lake at Kerala) has decreased by up to 16% due to the reduction of wastewater discharge from metal-based industries & sea-food industries.

He added, during this period, the Ganga River Water was found suitable for bathing, and propagation of fishes, as it has registered higher Dissolved Oxygen (DO) level & lesser chemical ratio. While talking about the effect of COVID19 Lockdown on Wildlife, Prof. Garg stated that during this period, there was an increase in fish biomass in rivers and a surge in the population of birds & butterflies. The decline in water pollution has allowed breathing space to endangered species like South Asian Dolphins in Indian rivers. But, during this lockdown, the poaching of wild animals increased, and many cases were reported regarding the killing of animals. He informed that according to “Conservation International Report”, tropical deforestation has increased since the COVID19 Lockdown restrictions came into effect around the world.

In his lecture, Prof. Garg also put a light on the challenges occurring in managing COVID19 Biomedical Waste. He shared his concern that the disposal of gloves, wipes, and sanitizer bottle with municipal waste in open spaces may affect rag pickers and the general public. During this interactive session, participants shared their queries with the speaker, and which were adequately answered.

June 5, 2020: CUPB organized 'Tree Plantation Drive' on World Environment Day

To celebrate World Environment Day 2020, the Central University of Punjab organised "Tree Plantation Drive" at CUPB Main Campus at Ghudda on 5th June 2020. CUPB EBSB Club and CUPB NSS Cell conducted this Activity under the able leadership of honourable Vice Chancellor Prof. R.K. Kohli. The aim of tree plantation is to contribute to the green cover of our country and preserve our biodiversity which plays a vital role in preserving our environment and life on earth. During this activity, the Vice Chancellor of CUPB, Prof. R.K. Kohli, Prof. Vinod Garg, Dean Students Welfare, and Sh Kanwal Pal Singh Mundra, Registrar, planted tree saplings & encouraged others to plant trees. CUPB Faculty, Staff members, and Research Scholars residing on campus participated in these programmes and planted seedlings by following social distancing norms.

On this occasion, Vice Chancellor Prof. R.K. Kohli mentioned that the theme of World Environment Day 2020 is to "Celebrate Biodiversity". He added that we all should devote some time from our daily schedule towards nature and put efforts to preserve our Biodiversity reserves.



Prof. R.K. Kohli, Vice Chancellor, CUPB planting tree saplings on World Environment Day 2020

To keep our environment clean, he urged everyone to adopt a tree at their society, stop using plastic bags, & reduce overconsumption of natural resources.

As a part of the activity, NSS Cell & EBSB Club Coordinators appealed CUPB students to join this initiative from their homes by planting a tree, watering and maintaining the plants in their premises. CUPB students shared their photographs with good deeds and confirmed their participation.

June 7, 2020 to June 9, 2020: CUPB organized three-day "Blue-Planet" Webinar Series in connection to World Ocean Day

Under the patronage of honourable Vice Chancellor Prof. R.K. Kohli, Central University of Punjab, Bathinda (CUPB) successfully organized a three-day Webinar Series named "Blue-Planet" in connection to World Ocean Day from 7th to 9th June 2020. CUPB's Dept. of Geology, and Dept. of Botany jointly conducted this programme. The objective of this Online Workshop is to sensitise students & researchers about the importance of Ocean and to educate them about the theme of UN World Oceans day 2020 - Innovation for a sustainable ocean. The Chief Guest of the Inaugural and Valedictory Ceremony was Dr. Mahesh Kumar (Ex-Chairperson, INYAS, & Associate Prof. IIT Jodhpur), and Dr. Chandra Shekhar Sharma, Present Chairperson, INYAS, & Associate Professor, IIT Hyderabad). Prof. Anjana Munshi, Dean Research, CUPB and Prof. R.K. Wusirika, Dean, School of International Studies, CUPB also joined the concluding session as the special guest.

This Webinar Series included 7 sessions with reputed scientists and researchers from all over the world. Nearly 1700 participants registered for this webinar and marked their attendance from different countries across the World.

Dr. Jitendra Kumar Pattanaik, HoD, Department of Geology, and Programme Coordinator, informed that the speakers of this webinar series are eminent International Scientists / Researchers and their names are as follows: Dr. Rajeev Saraswat (Principal Scientist, National Institute of Oceanography, Goa), Dr. Prabhu Prasad Das (Amity University, Gurugram), Dr. Shrikumar Suryanarayana, (MD, Sea 6 Energy Pvt Ltd), Dr. Matt Davey (University of Cambridge, UK), Dr. Kunal Chakraborty (Indian National Centre for Ocean Information Services, Hyderabad), Dr. A Fricke (Germany), and Dr. Nuncio



Screenshot of Concluding Session of Blue Planet Webinar Series

Murukesh (National Centre for Polar and Ocean Research, Goa). He added the topics discussed during this webinar series were: Importance of oceans in climate change studies. Sea Water Intrusion in the coastal environment, Sea agriculture for sustainable production of biomass, Antarctic snow algae blooms, Role of Data Science & Tech in making our life easier at sea, Benthic Algae, and Arctic Ocean amidst Climate Change. He thanked Dr. Felix Bast (Co-Coordinator), Dr. K. Krishnakanta Singh, Dr. Puneeta Pandey, and Dr. K. Milankumar Sharma for successful execution of this Webinar Series.

June 15, 2020 to June 24, 2020: Central University of Punjab organized 10-Day online National Workshop on ‘Curriculum Design and Development’

Central University of Punjab, Bathinda (CUPB) successfully organized an MHRD sponsored 10-Day online National Workshop on Curriculum Design and Development from 15th to 24th June 2020 under the patronage of honourable Vice Chancellor Prof. R.K. Kohli. CUPB’s School of Education conducted this programme under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching Scheme (PMMNMTT) with an objective to enhance curriculum development skills of young faculty members in social science discipline. Around 50 faculty members from various Universities / Colleges representing 15 different states of our country participated in this workshop.

While presenting the Programme Report in the valedictory session, Prof. S.K. Bawa, HoD, Dept. of Education, informed that this national workshop is an attempt to provide online training to social science faculty during the period of the coronavirus pandemic. She stated that in this workshop, around 18 interactive sessions were taken by reputed academicians on important topics, that includes: Curriculum Design; Stages, Process, & Models of Curriculum Development; Philosophical & Sociological bases of Curriculum Development; Choice-based Credit System; Formulation of Learning Outcome of the curriculum; Instructional Strategies; Curriculum Evaluation; Knowledge-based Curriculum Development etc.

She added, during this workshop, 12 modules were covered and the learning outcome score of participants were evaluated at the end of each module. She highlighted that the Overall Average Score of the Learning Outcome during this workshop was 73.4%, and participants shared positive feedback for the workshop in almost every session.

Prof. R.K. Kohli, the Vice Chancellor appreciated the participants for getting a high Overall Learning Outcome Score during this online workshop, which indicates their level of attentiveness, engagement, interaction, and presence in all sessions.

Prof. P. Ramarao, Dean Academic Affairs, highlighted that the resource persons of this workshop were well-known personalities in education, social science, and law discipline, like: Prof. R.G. Kothari, Prof. S.P. Malhotra, Prof. Ananda Padhan, Prof. Yogesh Velankar, Prof. B.S. Bhatia, Prof. S.P. Mohanty, Prof. Nityanda Pradhan, Prof. Saroj Sharma, Prof. Anjali Bajpai, Prof. P.K. Sahoo, and Prof. Tarun Arora.

June 20, 2020: CUPB released different Videos on ‘Yoga Asanas’ under the theme ‘Yoga at Home, Yoga with Family’ as a part of International Yoga Day Celebrations

The Central University of Punjab Bathinda (CUPB) celebrated the sixth edition of International Yoga Day (IYD) through the digital platform as per guidelines released by Ministry of AYUSH under the theme of ‘Yoga at Home, Yoga with Family’. On this occasion, CUPB Department of Physical Education, EBSB Club, an NSS Cell released different Videos under the theme of “Yoga- A way of life” to reach out to masses through digital media and to educate them about the benefits of different Yoga Asanas. In addition to this, CUPB NSS Cell urged students, faculty, and non-teaching staff to celebrate sixth IYD by performing Yoga at home with family.

Vice Chancellor Prof. R.K. Kohli stated that our Shri

Narendra Modi Ji, Hon’ble Prime Minister of India, proposed the United Nations in 2014 to celebrate ‘21st June’ as the International Day of Yoga to promote the advantages of Yoga among the world community. He mentioned since the first IYD i.e. 21st June 2015, the practice of Yoga has been globally recognized and millions of people have improved their health & fitness by adopting Yoga as a daily routine. He informed them that in view of the coronavirus pandemic, the theme of this year’s IYD is ‘Yoga at Home, Yoga with Family’, and our Short Video creations on ‘Yoga Asanas’ will motivate everyone to practice yoga asana in an effective way.

June 25, 2020 to June 26, 2020: CUPB organized National Webinar on ‘COVID-19 and South Asian Politics: Multilateral Dimensions’

Central University of Punjab, Bathinda (CUPB) organized two-day National Webinar on ‘COVID-19 and South Asian Politics: Multilateral Dimensions’ from 25-26 June 2020. CUPB’s Department of South and Central Asian Studies conducted this programme under the patronage of honourable Vice Chancellor Prof. R.K. Kohli. More than 300 faculties, research scholars & students from different states participated in this Webinar.

Dr. Bawa Singh, Associate Dean, School of International Studies and Webinar Convener welcomed the distinguished speakers and participants in the Inaugural session. He mentioned that the objectives of this Webinar Series were to discuss the multilateral dimensions of South Asian Politics during the coronavirus pandemic. He stated that the programme featured six interactive sessions by acclaimed academicians on exciting topics like implications of COVID-19 Pandemic in South Asia; COVID-19 and Fresh Challenges to the Indian Federal Structure; Corona Crisis: What does it tell us about Indian Economy and Politics; COVID-19 and South Asia: Challenges and Upcoming Trends; COVID-19 and India’s Soft Power- A South Asian Perspective; and Sino-Indian Relations in Post COVID-19 World Order.

During this Webinar Lecture Series, distinguished speakers like Prof. Gulshan Sachdeva (JNU, New Delhi), Prof. Muhammad Khalid (Panjab University, Chandigarh), Prof. Ashutosh Kumar (Panjab University, Chandigarh), Prof. R.K. Mahajan (Central University of Jammu, J&K), Dr. Santesh K Singh (Central University of Haryana, Haryana), and Dr. Rajesh Kumar (GNDU, Amritsar) expressed their views on multilateral dimensions of COVID-19 impacts on politics, international relations, multilateralism, federalism, regionalism, health, employment, poverty in general and Indo-China relations in particular.

Dr. Sudheer Verma (Convener) moderated the technical sessions and shared questions of participants with the resource persons which were diligently answered. Prof. P. Rama Rao (DAA) delivered the keynote address during the valedictory session. He underlined that the views expressed by speakers could serve as valuable inputs for policy formulation. Towards the end, Dr. Manabhanjan Meher, Organizing Secretary of the Webinar, proposed the vote of thanks.

June 22, 2020 to June 28, 2020: CUPB conducted India's first 'Science Leadership Workshop' supported by the four premier Science Academies of India

Central University of Punjab Bathinda (CUPB) successfully organised India's first seven-day online 'Science Leadership Workshop' (SLW) in the last week of June (22-28 June 2020) under the guidance of honourable Vice Chancellor Prof. R.K. Kohli. The Programme was supported by three prestigious Science Academies of India (Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, and The National Academy of Sciences, India, Allahabad), and its objective was to train future science leaders & enhance the leadership skills of young PhD Supervisors. The Inaugural Session was chaired by Prof. Ashutosh Sharma, Secretary, Department of Science and Technology, GOI. The Chief Guest of the valedictory session was Prof. Shekhar C Mande, Director General, CSIR. More than 20,000 participants from different countries across the world, comprising young scientists, young science faculty, and research scholars, attended this mega science event via online mode.

the successful execution of this workshop & for providing an opportunity to young scientists during COVID-19 times to listen to acclaimed Science Leaders to enhance their skills.



Prof. Shekhar C Mande delivering his lecture during the Concluding Session of Science Leadership Workshop

Prof. R.K. Kohli, Vice Chancellor of CUPB, and the Convener of this Workshop mentioned that this SLW is a unique initiative of all three science academies & is the first of its kind Workshop on Science Leadership in India. He added, the tremendous response received from participants from across the world & their level of interaction during the sessions indicate that the workshop has achieved its purpose.

During the Valedictory Session, Dr. Felix Bast, the Workshop Coordinator informed that twenty-six interactive lectures on vital aspects of science leadership were held in this one-week SLW. He added, the resource persons of this SLW were eminent scientists and science-experts representing leading science institutes from India & Abroad, like Prof. Dipander Chatterji (Padma Shri Awardee), Prof. Gagandeep Kang (first Indian Women Scientist to become fellow of the prestigious Royal Society of London); Dr. Kiran Mazumdar-Shaw (Founder and Chairperson of 3 Billion USD worth Biocon India Limited); Prof. Magdalena Skipper (Chief Editor, Nature); Prof. Ram Ramaswamy (Ex-President, Indian Academy of Sciences, Bangalore); Prof. Renu Swarup (Secretary DBT); Prof. Shahid Jameel (CEO, DBT/Welcome Trust India Alliance), Prof. Shabana Sharma (TIFR Mumbai); Prof. Shubha Tale (TIRF Mumbai); Prof. LS Shashidhara (IISER Pune), Prof. Alok Dhawan (Director, CSIR-IITR) and many other dignitaries.



Prof. Ashutosh Sharma delivering Keynote Address during the programme

The keynote speaker of the inaugural session was Prof. Ashutosh Sharma, Secretary DST. In his address, he mentioned that scientific leadership should be adopted at an individual, laboratory, departmental, and at the institutional level, where we need to work together as a team in cooperation with each other to conduct qualitative research and to achieve our organisation's broader objective.

In the concluding session, Prof. Shekhar C Mande delivered a detailed lecture on 'India's Journey in Science & Technology over the years'. He complimented Prof. R.K. Kohli & organising team for

June 29, 2020: CUPB organized a farewell ceremony to honour Prof. P. Ramarao, Dean Academic Affairs on his retirement



Vice Chancellor Prof. R.K. Kohli (Left), Prof. P. Ramarao (Middle), and Prof. V.K. Garg (Right) expressing their thoughts on this occasion

Professor P. Ramarao, Dean Academic Affairs, & Head, Pharmaceutical Sciences & Natural Products Department, Central University of Punjab, Bathinda (CUPB) has retired after completing 41 years of an outstanding career in education and research. To mark this occasion, the university organized a farewell function to felicitate the legendary academician Prof. P. Ramarao on Monday under the guidance of honorable Vice Chancellor Prof. R.K. Kohli. Mrs. Nalini Ramarao, and Mrs. Kumkum Kohli graced this occasion as special guests. Selected faculty members & administrative staff physically attended this programme, by adhering to the social-distancing rules and COVID-19 preventive measures.

During his professional career, Prof. Ramarao has been conferred with several prestigious awards for his efforts in teaching and research. He has written more than 145 Research Papers and has nine patents registered in his name. He has worked with reputed institutes, such as: Banaras Hindu University, Varanasi; The University of Illinois, Chicago; Harvard University, Boston; National Institute Pharmaceutical Education & Research, SAS Nagar; and Central University of Punjab, Bathinda.

He joined CUPB in 2010 as the Professor of Biosciences and Pharmaceutical Sciences. Since 2011, he has been handling the responsibility of Dean Academic Affairs of the university. He has been a member of CUPB Statutory Bodies like University Court, Executive Council, Academic Council, and Finance Committee.

Vice Chancellor, Prof. R.K. Kohli highlighted the vital contribution made by Prof. P. Ramarao in the growth and development of the University. He stated that Prof. Ramarao is the eminent personality in the discipline of Pharmaceutical Sciences & is the pride of our University. He presented a token of gratitude to Prof. Ramarao on behalf of CUPB family, and conveyed best wishes for his post-retirement life,

Prof. P. Ramarao expressed his gratitude towards CUPB Authorities for providing him with an opportunity to serve the university in a versatile way. He thanked the CUPB Family for providing their support during his service period at the University and for giving a warm farewell.



Vice Chancellor Prof. R.K. Kohli felicitating Prof. P. Ramarao on behalf of CUPB Family

June 30, 2020: CUPB developed Open Education Resources in Teacher Education for National Council of Teacher Education (NCTE) in the times of COVID-19

Under the guidance of honourable Vice Chancellor Prof. R.K. Kohli, the faculty members of the Central University of Punjab's School of Education have developed Open Education Resources (OERs) of Teacher-Education Programme for National Council of Teacher-Education (NCTE) funded by MHRD in the times of COVID-19. Prof. S.K. Bawa, HoD Dept. of Education, is one of the five members of the core committee constituted by NCTE that has contributed more than 200 modules in 29 courses of teacher-education. Under her leadership the university has contributed 80 modules in four courses of Teacher Education

On this occasion, Vice Chancellor Prof. R.K. Kohli congratulated Prof. Bawa for getting this opportunity and conveyed best wishes for success in this assignment. He mentioned that our faculty is continuously working to develop online content in the form of MOOCs Courses and other MHRD eLearning platforms which will be beneficial for students and teachers.

Prof. S.K. Bawa informed that CUPB has developed 80 modules in four courses of teacher education and the same are available online at www.ncte.gov.in.

21st July 2020 to 31st July 2020: Central University of Punjab organized 10-Day online National Workshop on 'Curriculum Design and Development for Science Faculty'

Under the patronage of honourable Vice Chancellor Prof. R.K. Kohli, the Central University of Punjab, Bathinda (CUPB) successfully organized an MHRD sponsored 10-Day online National Workshop on Curriculum Design and Development (CD&D for Science Faculty from 21-31 July 2020. CUPB School of Education executed this programme under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching Scheme to enhance the CD&D skills of young science faculty members. Around 100 faculty members from various Universities / Colleges representing 19 different states actively participated in this workshop.

She mentioned that this Workshop is an attempt during the period of coronavirus pandemic to provide online training on CD&D to science faculty members. She stated that in this Workshop, total nineteen modules were covered where reputed academicians joined as resource persons and imparted training on different dimensions of CD&D. She highlighted that the Overall Average Score of the Learning Outcomes during this Workshop was 73 %, and participants shared positive feedback for the Workshop in every session.



Organizers interacting with participants

During the Valedictory Session, Prof. S.K. Bawa, HoD, Dept. of Education, & Programme Coordinator presented the Programme Report.

Prof. Ramakrishna Wusirika, Dean Incharge Academic Affairs appreciated the participants for getting a high Overall Learning Outcome Score during this online Workshop, which indicates their level of attentiveness, engagement, interaction, and presence in all sessions. Prof. P.K. Mishra, Dean School of Social Sciences, emphasized that with the arrival of New Education Policy-2020, the challenges have extended to align the curriculum with the Sustainable Development Goals. He urged everyone to come up with a constructive vision and make India a global knowledge superpower. Dr. Shankar Lal Bika, Associate Dean, School of Education, gave the formal vote of thanks towards the end of this programme.

July 30, 2020: Central University of Punjab organized National Webinar on "Teaching Language and Literature in the Present Environment: Challenges and Solutions"



Dr. Gurmeet Singh (left), Prof. Sudha Jitendra (center) and Prof. Shyouraj Singh (right) addressing the participants

Under the patronage of the Vice Chancellor Professor (Dr.) R.K. Kohli, the Dept. of Hindi and Dept. of Punjabi of the Central University of Punjab, Bathinda jointly organized National Webinar on "Teaching Language and Literature in the Present Environment: Challenges and Solutions". The keynote speakers of this programme were Prof. Shyouraj Singh 'restless' Delhi University, Delhi, Professor Sudha Jitendra, Guru Nanak Dev University Amritsar, and Dr. Gurmeet Singh, Punjab University, Chandigarh. Total of 265 participants from various parts of the country registered and actively participated in this Webinar.

The first speaker, Dr. Gurmeet Singh, contextualizing the current environment in his lecture, said that it is imperative to link language and literature teaching with technology on the basis of turning 'disaster into opportunity'. He added that we should also encourage online learning of language and literature until the conditions become normal. He stated that even when the circumstances become normal, we should continue to use these online tools in language and literature teaching so that language and literature teaching could be more effective.

Professor Sudha Jitendra, the second speaker, shared her thoughts on 'Language, Literature and Existence' with his participants. She said that due to the current situation of COVID pandemic, the problem of stress in students is increasing. But in the current environment, the teaching of literature can prove to be effective in ending this tension. She stated that due to technology, Indian languages and literature have got a good platform, which has facilitated online learning of our own languages and literature anywhere across the globe. She emphasized that a healthy society can be developed only when literature is connected with technology.

The third speaker Professor Shyouraj Singh said that today language teaching has reached the stage that now we have to change our approach to work. He said that even when the use of computers first started in India, there were many misconceptions about the adoption of technology among people, which ended with the passage of time. In the same way, the fear for online education of language and literature will disappear. He said that with the help of technology, language and teaching can be made more accessible, simple and understandable. He emphasized that technology should be used as an instrument in teaching language and literature and not as a means. He asserted that the present conditions are language and literature will serve as the basis of a new experiment in teaching.

At the beginning of the program, Dr. Rajendra Kumar Sen, Program Coordinator, welcomed the participants and put a light on the programme theme. Professor (Dr.) Zamirpal Kaur, Dean, School of Languages, Literature and Culture and Director Webinar, formally welcomed the invited speakers and encouraged the participants to actively participate in this programme.

At the end of the program, Dr. Gopal Lal Meena, Webinar Co-Convenor, delivered a formal vote of thanks.

August 15, 2020: Central University of Punjab celebrated 74th Independence Day

The Central University of Punjab celebrated the 74th Independence Day of India on 15th August 2020 in its main campus at Village Ghudda, District Bathinda with great deal of patriotic zeal, enthusiasm, fervour, and gaiety. During this programme, Flag-Hoisting Ceremony was organised by University under the guidelines of honourable Vice Chancellor Prof. R.K. Kohli. Prof. P. Ramarao, Retd. Professor & Former Dean Academic Affairs, CUPB, was the special guest of this programme.



CUPB Vice Chancellor Prof. R.K. Kohli taking Guard of Honour

At the start of the programme, honourable Vice Chancellor Prof. R.K. Kohli hoisted the National Flag. After this, the University Flag was hoisted in the main campus by Prof. Ramarao, along with Prof. V.K. Garg, Dean Student Welfare, Prof. Wusirika, Dean Incharge Academic Affairs, Shri K.P.S. Mundra, Registrar, & other employees. The Flag Hoisting Ceremony was followed with singing of National Anthem & University Anthem. On this occasion, University's Security Team conferred guard of honour to the CUPB Vice Chancellor. After the Flag Hoisting Ceremony and Inspection of Parade, the Vice Chancellor communicated Independence Day Greetings to all.

CUPB Faculty and staff members attended this event by strictly following the norms of social-distancing norms and other preventive guidelines to prevent the spread of COVID-19.

August 18, 2020 to August, 20, 2020: CUPB organised two-day online Webinar on 'COVID-19 and Global Economy: Implications for India'

Department of Economic Studies, Central University of Punjab, Bathinda organized a two-day online Webinar on Covid-19 and Global Economy: Implications for India on 19-20 August 2020. More than 1000 participants from various institutions across India registered in this programme.

During the inaugural session, Dr. Sandeep Kaur, HoD and Organizing Secretary, Department of Economic Studies introduced the theme of the webinar. Dean In-charge of Academics, Prof. Ramakrishna Wusirika extended a warm welcome to the Keynote speaker Prof. Sucha Singh Gill (Ex-Director General, Centre for Research in Rural and Industrial Development, Chandigarh), Guest Speaker Prof. Paramjit Nanda (Ex-Head Punjab School of Economics, GNDU) and all participants. Dean Students Welfare Prof. V.K Garg in his special remarks pointed out production as the worst-hit arena of the economy due to lack of demand from the consumers, which in turn was a consequence of the decline in household incomes due to loss of job and significant pay cuts.

Hon'ble Vice Chancellor Prof. R.K. Kohli in his inaugural address mentioned that the pandemic situation has affected the world beyond the arena of economics

. He emphasized that the solutions to address those problems should not be simply monetary in nature but should be something that targets sustainable development.

The Keynote speaker Prof. Sucha Singh Gill stated that Covid-19 has exposed the weaknesses in the public health sector across countries. The ways in which each country has been affected by the pandemic is different. There is a need for immediate restoration of the domestic demand through fiscal policy. Prof. Gill further suggested that Indian governments may come up with public investment, which will pave the way to private investments too. Prof. Paramjit Nanda expressed that Covid-19 may end the present pattern of globalization and make new-normal in international trade. There were three panellists on the second day of the webinar. who expressed their views related to the theme of the webinar.

August 17, 2020: CUPB organized a special programme to honour Vice Chancellor Prof. R.K. Kohli on successful completion of his tenure

Central University of Punjab fraternity organized a special programme on Monday to affectionately honour their Vice Chancellor Prof. R.K. Kohli on the successful completion of his tenure. Prof. Kohli is the internationally acclaimed Ecologist, & is the role model in the higher education sector with more than 41 years of experience in teaching & research. He joined the Central University of Punjab as the second Vice Chancellor on 5th September 2014. He successfully completed his tenure of approximately six-year duration. To mark this occasion, the university employees hold a special programme to convey their gratitude towards the stalwart academician. Prof. V.K. Garg, Dean Student Welfare, Prof. Ramakrishna Wusirika, Dean Incharge Academic Affairs, Prof. Anjana Munshi, Dean Research, Shri K.P.S. Mundra, Registrar, and selected faculty members & administrative staff attended this programme by adhering to the social-distancing rules and COVID-19 preventive measures.



Prof. R.K. Kohli addressing the participants

Speaking on this occasion, Vice Chancellor, Prof. R.K. Kohli thanked CUPB employees for their tremendous support and cooperation during his entire tenure.. He gave credit to CUPB employees for working together as a family and for making valuable contributions to the growth and progress of the university. He motivated the faculty and staff to continue their good work and take this University to new heights.

During this programme, Registrar & senior faculty members felicitated Vice Chancellor Prof. R.K. Kohli by presenting a memento on behalf of CUPB Family, and conveyed best wishes for his future assignments.

Prof. V.K. Garg, Dean Student Welfare, mentioned under the able leadership of Prof. Kohli, CUPB has almost zero backlogs as our administration has completed all the important tasks well in time, such as organizing Convocations to confer degrees to pass-out students, conducting timely promotion of faculty members under the Career Advancement Scheme (CAS), executing online exams & declaring results of final year students in COVID-19 times etc.

Shri Kanwal Pal Singh Mundra, Registrar, CUPB, thanked Prof. R.K. Kohli for setting strong academic & administrative systems with which our university will set new benchmarks in coming years.



CUPB Faculty presented memento to Vice Chancellor Prof. R.K. Kohli

Prof. R.K. Kohli, M.Sc, Ph.D, is the certified senior ecologist of ESA, USA. He is the recipient of JC Bose National Fellow Award from DST, GOI, and is the fellow of all four premier science academies of India. In his long academic career, Prof. Kohli has been the Vice Chancellor of DAV University Jalandhar, and DUI at Panjab University Chandigarh. He has also chaired meetings of several academic bodies in India & Abroad. During the Vice Chancellor tenure of Prof. Kohli, CUPB set new benchmarks in education & research. During his tenure, the University got accredited with 'A Grade' from NAAC. Under his able leadership, the CUPB become the youngest university to be ranked among the top best 100 Universities of Country thrice in NIRF India Rankings.

August 22, 2020: CUPB Vice Chancellor Prof. Raghavendra Prasad Tiwari paid homage at Takhat Sri Damdama Sahib

After assuming the office as the third Vice Chancellor of the Central University of Punjab, Prof. Raghavendra Prasad Tiwari paid obeisance at ‘Takhat Sri Damdama Sahib, Talwandi Sabo’. He bowed to the holy land known as ‘Guru ki Kanshi. He made ‘Ardas’ at the sacred place and took the mission of making quality education accessible to all.

During this visit, CUPB Officials briefed the Vice Chancellor about the details of the rich cultural heritage preserved at Gurudwara Sahib. On this occasion, Vice Chancellor Prof. Raghavendra Prasad Tiwari met with Giani Harpreet Singh, Jathedar, Takhat Sri Damdama Sahib, & Officiating Jathedar, Akal Takhat Sahib and presented him a book written by Prof. Harpal Singh Panu, Chair Professor, Sri Guru Gobind Singh Chair, CUPB. Prof. Tiwari assured Giani Harpreet Singh to work for promoting the culture of Punjab that is endowed with great human values, and to work for skilling and upskilling youth to enable them to engage in meaning economic activities and or serving the society



Prof. R.P. Tiwari paying homage at Takhat Sri Damdama Sahib

After paying respect at the Gurudwara Sahib, Prof. Raghavendra Prasad Tiwari said that teachings of Guru Gobind Singh ji will continue to inspire us to walk on the path of truth, justice, compassion, brotherhood, and oneness.

August 28, 2020: Central University of Punjab organized a Webinar on ‘National Education Policy – 2020’

Central University of Punjab, Bathinda (CUPB) conducted a Webinar on “National Education Policy-2020 (NEP-2020)” on 28th August 2020. CUPB Internal Quality Assurance Cell conducted this programme under the patronage of honourable Vice Chancellor Prof. Raghavendra P. Tiwari. The resource person of this programme was Prof. Vasudha Kamat, former Vice Chancellor, SNDT Women University (Mumbai)



Prof. Vasudha Kamat

At the beginning of the event, Prof. S.K. Bawa, Director, IQAC welcomed the participants and presented the programme theme. While introducing the resource person, Prof. Bawa mentioned that Prof. Kamat was one of the members of the committee constituted by GOI in 2017 to prepare the Draft of National Education Policy approved by the Union Cabinet in 2020.

Prof. Vasudha Kamat mentioned that NEP-2020 is a student-centric and targets to achieve 100% Gross Enrolment Ratio in School Education by 2030 and 50 % GER in Higher Education by 2035. She stated that the NEP-2020 aims to build objective thinking & promote scientific temperament among learners, to identify the unique capabilities of each student, to impart multidisciplinary and holistic education, to encourage multilingualism, to impart life skills, to promote interdisciplinarity education, and to encourage path-breaking research. She also mentioned that this NEP-2020 would bring universalization in the school education system, autonomy in higher the education system, and will ensure a high-quality outcome-based education system for all. While speaking on the reforms introduced by NEP-2020 in the School Education System, Prof. Kamat said that NEP-2020 introduces ‘5+3+3+4 new curricular structure’ to build a strong foundation of children based on logical thinking embedded with Indian Values. She asserted other key reforms in the School Sector such as teaching in mother language till 5th standard, New National

Curriculum Framework, the establishment of Bal Bhavans, internships and vocational education from 6th standard, freedom to choose subjects across different streams at secondary education level and exams to test core competencies will help in preparing students for future challenges.

She stressed that the inclusion of innovative reforms in the higher education system like the introduction of holistic & multidisciplinary education with a creative combination of subjects, multiple entries and exit points, and credit transfer through the academy bank of credits, will not only provide easy access to higher education to students of India but will also help in developing skilled & intellectual manpower that will contribute to the growth of the nation. She emphasized that other key suggestion such as establishment of the Higher Education Commission of India, National Research Foundation, National Mission for Mentoring, National Book Promotion Policy, Multidisciplinary Education & Research Universities, National Curriculum Framework for Teacher Education etc will help in enhancing the standard of teaching and research.

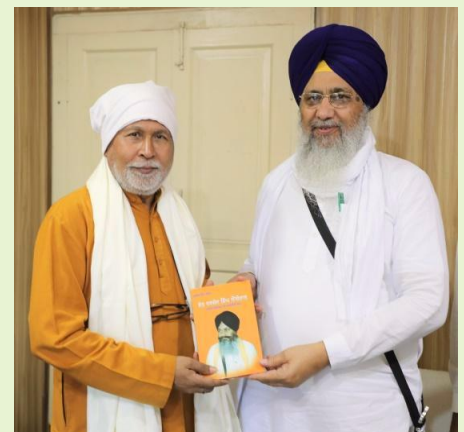
Honourable Vice Chancellor Prof. Raghavendra P. Tiwari appreciated Prof. Kamat for making a valuable contribution in designing NEP-2020, and mentioned that NEP-2020 will guide us in making India, the 'Education & Innovation Centre' of the World. He stated that the NEP-2020 is India's first Education Policy that aims to address the growing development imperatives of our country to achieve the bigger objective of 'AtmaNirbhar Bharat' under the able leadership of Prime Minister Shri Narendra Modi Ji. He mentioned that the NEP-2020 is based on UNESCO's fundamental principle of Access, Equity, Solidarity, Quality, Affordability, Accountability, and will ensure the right to education to all. He added, as per the vision of National Education Policy-2020, our mission will be to provide international academic exposure with vast opportunities in higher education & multidisciplinary research to students of India and abroad. He also stressed that CUPB is determined to create high-quality online educational resources to ensure uninterrupted knowledge sharing with learners, even in the times of COVID-19.

September 2, 2020: CUPB Vice Chancellor Prof. Tiwari conducted a special meeting with SGPC President S. Gobind Singh Longowal

In pursuance of extending scholarly activities of Central University of Punjab, Bathinda (CUPB) to the land of Punjab, Prof. Raghavendra P. Tiwari, the Hon'ble Vice Chancellor CUPB met with Shiromani Gurdwara Parbandhak Committee (SGPC) President, S. Gobind Singh Longowal. Prof. Tiwari also paid obeisance at Gurudwara Sahib, Kaimbowal, Sangrur. During this interaction Prof. Tiwari briefed SGPC President about his vision to establish a special Chair dedicated to Sri Guru Teg Bahadur Ji to mark the 400th Birth Anniversary of the ninth Sikh Guru. Prof. Tiwari requested the SGPC President for the necessary support for this noble cause.

Vice Chancellor Prof. Tiwari said that our university is committed to promoting rich Punjabi Culture endowed with values of humanity and oneness. He said that our university is planning to establish a special section of 'Sikh History' at CUPB Library. Prof. Tiwari requested SGPC President to give his support and provide vital 'Sikh Literature' to accomplish the task.

On this occasion, S. Gobind Singh Longowal, President, SGPC, honoured the CUPB Vice Chancellor Prof. Tiwari & Registrar Shri. K.P.S. Mundra by presenting a

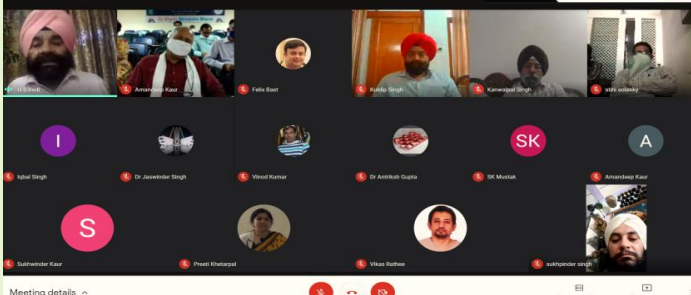


SGPC President honouring CUPB Vice Chancellor Prof. R.P. Tiwari

Harchand Singh Longowal. He gave his best wishes to Prof. Tiwari for the successful endeavours at CUPB. Bhai Gobind Singh Longowal assured Prof. Tiwari that all necessary support and facility will be provided to the University in implementing the projects related to Sikh Legacy and rich Cultural Heritage of Punjab.

September 11 2020: CUPB organized a Webinar on ‘Preaching and Philosophy of Sri Guru Tegh Bahadur Ji’

To commemorate the 400th birth anniversary of ninth Sikh Guru Sri Guru Tegh Bahadur Ji, the Central University of Punjab organized a Webinar on the theme ‘Preaching and Philosophy of Sri Guru Tegh Bahadur Ji’.



Screenshot of the webinar

On this occasion, Prof. Harmohinder Singh Bedi, an eminent scholar, acclaimed academician and Chancellor of the Central University of Himachal Pradesh, delivered the Keynote address. He threw light on the sacrifice of Sri Guru Tegh Bahadur Ji for the protection of religious freedom of Hindu from the Mughal. He shared that Guru Ji’s sacrifice should be remembered as the first attempt to fight for religious freedom & human rights in India. He added that the ninth Sikh Guru wrote on a variety of subjects such as humanity, nature of God, body, mind, soul, death, deliverance etc., and his philosophy is registered in the form of 59 shabads, and 15 ragas mentioned in the sacred Sikh scripture ‘Sri Guru Granth Sahib’. Prof. Bedi said that all of us should assimilate the teachings of Sri Guru Tegh Bahadur Bahadur Ji in our lives, and adopt the message of

humanity, affection, and oneness. While concluding his keynote address, Prof. Harmohinder S. Bedi also praised the vision and mission of Prof. Raghavendra P. Tiwari and appreciated his efforts for successfully organizing this webinar on the Philosophy of ninth Sikh Guru Sri Guru Tegh Bahadur Ji.

In his presidential address, Vice Chancellor Prof. Raghavendra P. Tiwari said that the great Sikh Guru is known as ‘Hind-di-Chadar’ (protector of humanity). He stated that youngsters should take inspiration from the divine personality of Sri Guru Tegh Bahadur Ji, and refrain from all social evils. He said that the life, philosophy and preaching of the ninth Sikh Guru are relevant for all times & it will continue to guide our society to rise above religious divides and live together peacefully. He conveyed his gratitude to the keynote speaker for making the audience acquainted with various aspects of the life of Sri Guru Tegh Bahadur Ji and ensured him that CUPB would celebrate the 400th Prakash Purab of the great Sikh Guru with full enthusiasm and fervour. Towards the end, Registrar Shri K.P.S. Mundra delivered formal vote of thanks.

September 2, 2020: CUPB Vice Chancellor Prof. Tiwari met with Hon’ble Governor of Punjab Shri V.P. Singh Badnore and received guidance for taking CUPB to new heights

The Vice Chancellor of the Central University of Punjab, Bathinda (CUPB) met the Governor of Punjab Shri V.P. Singh Badnore at Punjab Raj Bhavan at Chandigarh. During his meeting, Prof. Tiwari appraised Punjab Governor about the establishment & growth of CUPB in the short span of 11 years. He said that the university is setting new benchmarks in education and research and has become the youngest Central University to be ranked among Top 100 Universities of India with 87th position in NIRF India Rankings 2020 in a very short time. For this, credit goes to faculty and staff.



CUPB Vice Chancellor Prof. Tiwari interacting with Hon’ble Governor of Punjab Shri VP Singh Badnore

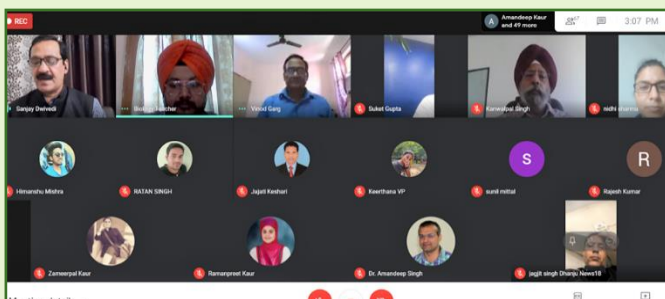
During the interaction, Prof. Tiwari stated that the innovative reforms introduced in National Education Policy (NEP) 2020, truly makes it a Bharat Centric Education Policy that provides us with a roadmap to actualize the vision of Hon'ble Prime Minister Shri Narendra Modi of making AtmaNirbhar Bharat. He shared that currently his mission is to completely implement all the imperatives of NEP-2020 at CUPB and make quality education accessible to all, so the youngsters of the state could avail the best opportunities at affordable costs. While briefing about his vision to serve the soil of Punjab, Prof. Tiwari conveyed that CUPB's fee structure is the lowest in the state, the only aim of keeping this fee so low is to make quality education affordable and accessible to all.

Prof. Tiwari also assured that CUPB is committed to create new knowledge through research, provide maximum opportunities for skill-development to youngsters, develop scientific temperament, encourage innovation, & produce global intellectual citizens who would be well-connected to our ancient values.

Shri V.P. Singh Badnore appreciated CUPB Faculty & students for their remarkable efforts. He praised Prof. Tiwari for his vision & mission and conveyed his best wishes for future endeavours at Central University of Punjab.

September 15, 2020: Central University of Punjab organized Webinar on 'Role of Media in implementation of National. Educational Policy - 2020

The Department of Mass Communication and Media Studies of Central University of Punjab, Bathinda (CUPB) organized a Webinar on "Role of Media in the implementation of National Education Policy (N.E.P.) 2020". On this occasion, Prof. Sanjay Dwivedi, Director-General, Indian Institute of Mass Communication was the keynote speaker.



Screenshot of the Webinar

The programme commenced with a welcome address by Prof. V.K. Garg, Dean School of Information & Communication Studies and Dean Student Welfare.

Prof. Sanjay Dwivedi mentioned that people of India live in multilingual & multicultural society and NEP-2020 focuses on promoting value-based education, developing scientific temperament, and producing global citizens who would adopt innovative strategies of sustainable development and work towards Atma-Nirbhar Bharat. He expressed his firm belief that media can spread awareness about various aspects of

NEP-2020 diverse sections of society. While briefing on the various innovative reforms on NEP-2020, he opined that media journalists should read the complete draft of NEP-2020 and write a series of news stories/articles on the future societal impact of innovative reforms such as Right to Education from 3 to 18 years, education in mother tongue till 5th standard, vocational skill development for students from 6th Class onwards, interdisciplinary education at the secondary level, the introduction of progress based evaluation system, integrated course systems with multiple entries & exit points in higher education etc. He stated that awareness of these reforms of NEP-2020 at grass-root level would ensure access of opportunities to everyone. He urged media journalists and educationists to organize maximum discussion programmes with the use of new media technologies & invite responses of youngsters both by online and offline modes.

Dr. Rubal Kanozia, Programme Coordinator and moderator, thanked the Hon'ble Vice Chancellor for his guidance to select a relevant topic of this Webinar. Shri K.P.S. Mundra, the Registrar, expressed his gratitude towards all the guests, and dignitaries who were present during this Webinar.

September 16, 2020: Central University of Punjab organized Webinar on ‘Way forward from Swadeshi towards AtmaNirbhar Bharat’

The IQAC Cell of Central University of Punjab, Bathinda (CUPB) organized a Webinar on “Way forward from Swadeshi towards AtmaNirbhar Bharat” under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari. On this occasion, Shri Satish Kumar, Rashtriya Seh Sangathak, Swadeshi Jagran Manch, was the keynote speaker.

In his Welcome Speech, Prof. Tarun Arora, Dean School of Legal Studies, put a light on programme theme, introduced the keynote speaker..

In his keynote address, Shri Satish Kumar complimented CUPB for conducting the Webinar on the relevant topic in this post COVID-19 times when our nation’s economy is declining and unemployment is rising. He stated that our Prime Minister’s mission of ‘AtmaNirbhar Bharat’ is truly based on bharat-centric model that has the power to make our country Vishva Guru again. He mentioned that the employment opportunities of a country could not only be generated by the government & industry, but it could also be generated by the aspirational youngsters of that country who want to earn wealth and build manpower for their country.

He supported his argument by giving examples of the first trillion-dollar international company 'Apple', and leading national

companies like Oyo Rooms, Trishneet Arora Company, & Patanjali Group

which has been founded by determined & ambitious common persons at their young age. He talked about the vital role of ‘swadeshi movement’ adopted by masses in the success story of countries like Japan, Israel, Vietnam etc and asserted that adoption of ‘swadeshi ideology’ is the best option for us to make our country 'AtmaNirbhar Bharat'. He appealed to youngsters of our country to become Job Creators rather than Job Seekers and expressed his belief that CUPB would play a vital role in building confidence in their students to become future entrepreneurs.



Shri Satish Kumar address the participants

September 18, 2020: CUPB organised Online Quiz on “Health & Wellness” under FIT India Movement

The NSS Cell of Central University of Punjab, Bathinda organized an online quiz on “Health and Wellness” under the aegis of FIT India Movement of Ministry of Youth Affairs and Sports. The programme was conducted under the guidance of Vice Chancellor Prof. Raghavendra P Tiwari with the objective to encourage students to remain healthy and fit by including physical activities and sports in their daily routine. More than 90 students from 25 departments of university registered for the quiz competition through Google Meet.

The programme commenced with welcome address by Dr. Preeti Khetarpal (NSS, Programme Officer) & overview of the activities done by the NSS Cell by

Programme Coordinator, Prof. Monisha Dhiman. After this, Prof. V. K. Garg, Dean Students Welfare, administered “Fitness Pledge” to the participants.

During this Quiz Competition Ankur Jain from Dept. of Zoology got the first position, Jignesh ME from Dept. of Environment Science & Technology got the second position and Arushi Jain from Dept. of Human Genetics and Molecular Medicine got the third position. Dr. Sabyasachi Senapati congratulated the winners and thanked everyone for making this Online Quiz successful.

September 20, 2020: CUPB organised Talk & Yoga Session on “Stress Management & Well-being”

In continuation of its academic activities, Central University of Punjab, Bathinda organized a Talk & Yoga Session on ‘Stress Management & Well Being’ under the aegis of FIT India Movement of Ministry of Youth Affairs and Sports on Sunday. CUPB NSS Cell conducted this programme under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari which was attended by students, teaching fraternity, non-teaching staff, and their family members through Google Meet. The keynote speaker of this programme was Dr. Swami Dhirendracharya.

While welcoming the participants Dr. Ashwani Kumar, NSS, Programme Officer, put a light on the programme theme and introduced the keynote speaker. He mentioned that Swami Dhirendracharya has done his Ph.D. in the discipline of yoga & he has been working as an educator and social worker in the field of yoga & stress management from the last 23 years.



Swami Dhirendracharya ji delivering the keynote address

In his keynote address, Swami Dhirendracharya defined stress as a feeling of emotional or physical tension that can cause a threat to a person’s well-being. He shared the symptoms of stress at cognitive, emotional, behavioural & physical level and pointed out that excess of stress can also cause health problems such as depression, anxiety, sleeping disorders, heart disease, digestive problems, memory problems, body ache, or others diseases. He advocated for the adoption of stress management techniques such as identifying the cause of stress, discussion of concerns with others, imbibing the feeling forgiveness, living a disciplined life routine, and sparing some time for physical exercise and yoga to stay calm & reduce stress. He stated that Yoga will not only help us to reducing our stress but it will also enhance our physical and mental fitness level.

He demonstrated different yogic postures related to Mula Bandha Kriya, Agnisar Kriya, Kapalbhathi Kriya, Paschimottanasana, Vajrasana, Shashankasana, Pawanmuktasana, Markatasana, Bhujangasana, Sarvangasana, Singha Aasana, Hasya Aasana, Shayana Aasana, and others. He urged everyone to adopt yoga and healthy eating habit in daily life to enhance our immunity and to stay safe from COVID-19 by following preventive guidelines.

Prof. V.K. Garg, Dean Student Welfare, suggested that efforts should be made to educate the community about the innovative use of ICT. Vice Chancellor Prof. Tiwari applauded CUPB NSS Cell led by Prof. Monisha Dhiman and her team for their remarkable work during COVID-19 times. He supported Prof. Garg’s view by stating that National Education Policy-2020 encourages Higher Education Institutions to develop linkage with the community. He added, we should organise many such innovative programmes in future to achieve the goal of providing holistic education. Dr. Milan K Sharma, Programme Officer, thanked participants for making this programme a success.

September 22, 2020: Central University of Punjab organized a Webinar on ‘Buniyadi Taleem to National Educational Policy 2020’

Central University of Punjab, Bathinda (CUPB) organized a Webinar on “Buniyadi Taleem to National Education Policy (N.E.P.) 2020”. CUPB Internal Quality Assurance Cell (IQAC) conducted this programme as part of a series of Webinar on NEP-2020 under the guidance of honourable Vice Chancellor Prof. Raghavendra P. Tiwari. On this occasion, Prof. Jagmohan Singh Rajput, Former Director, National Council of Education Research & Training, and Former Chairperson, NCTE, was the keynote speaker.



CUPB Vice Chancellor Prof. Tiwari attending Webinar along with faculty & staff members

The programme commenced with the Welcome Address by IQAC Director Prof. S.K. Bawa where she put a light on the programme theme. While introducing the keynote speaker, Prof. Bawa stated that Prof. Jagmohan is an acclaimed academician as well as a well-known writer, and he has been conferred with Padma Shree Award by GOI for his valuable contribution in the field of education.

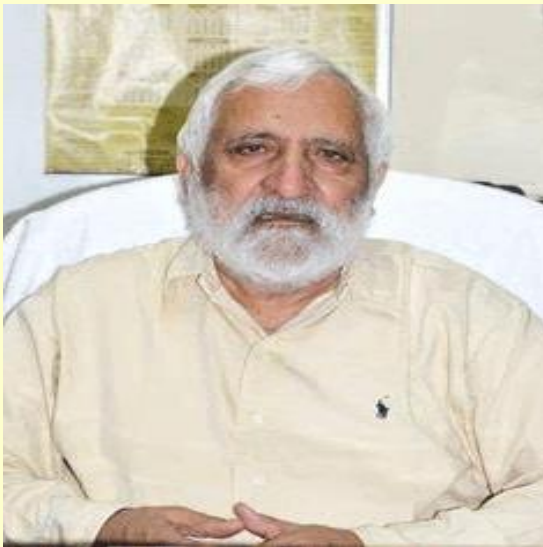
Keynote Speaker Prof. Jagmohan Singh Rajput mentioned that in the 21st Century the key to success for our nation will be to focus on innovation and to provide skill-based quality education to every citizen through effective implementation of NEP-2020. He emphasized that for proper implementation all imperatives of NEP-2020 could be possible through a deep understanding of Mahatma Gandhi’s Wardha Scheme of Basic Education introduced in 1937, also known as Buniyaadi Taleem/Nai Taleem, which aimed at the all-round development of a person’s body, mind and spirit. He stated that Gandhi’s Buniyaadi Taleem Model introduced the thought of providing free & compulsory education, providing education in the mother tongue, craft centric education; citizenship for cooperative society, choice-based flexible curriculum, adoption of self-sustainable approach for development etc. and these are the key focus areas of NEP-2020. He added, Gandhiji made a remarkable contribution in shaping the Indian education system through Buniyadi Taleem where he summarised his four-decade experience of providing value-based holistic education in his Ashrams in South Africa and India.

Prof. Jagmohan referred that Acharya Vinoba Bhave considered Nai Taleem as the model to shape up the new society where teachers with dynamic experience would play a vital role in shaping the hidden talent of youngsters. He referred that Gurudev Rabindranath Tagore once said that every child is blessed with the power of ideas, and imagination and our Buniyadi Taleem should encourage his creativity and curiosity. He concluded that NEP-2020 includes all the elements of Buniyadi Taleem & focuses on providing holistic education and producing global intellectual citizens who would be well connected with our ancient values.

Vice Chancellor Prof. Tiwari applauded the keynote speaker for the impressive address where he cited appropriate examples, highlighting all aspects of NEP-2020 in context to Buniyaadi Taleem. He talked about the four quadrants learning approach of a child (i.e. Listening, Contemplation, Discussion, and Applicability), and also emphasized on the role of teachers to understand the needs of learners. He added, NEP-2020 provides comprehensive opportunities of learning to youngsters. He supported Prof. Rajput’s view that efforts should be made to reduce the digital divide and assured that CUPB would work in this direction. Faculty, staff members and students of the university attended this programme.

September 23, 2020: Central University of Punjab organized Webinar on ‘Importance of Indian Languages in National Educational Policy 2020’

Central University of Punjab organised a Webinar on “Importance of Indian Languages in National Education Policy (NEP) 2020”. CUPB IQAC Cell led by Prof. S.K. Bawa organised the 5th webinar on ‘NEP Webinar Series’ under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari. On this occasion, Prof. Kuldip Chand Agnihotri, Vice Chancellor, Central University of Himachal Pradesh, was the Chief Guest & keynote speaker.



Prof. Kuldip Chand Agnihotri

At the start, Prof. Tarun Arora, Dean School of Legal Studies welcomed the participants, introduced the Chief Guest, and put a light on the programme theme. Keynote speaker Prof. Kuldip Chand Agnihotri mentioned that CUPB is blessed to be situated in the Malwa Region which is also referred to as the Karam Bhumi of Shri Guru Gobind Singh and this area was also a part of ‘Sapt Sindhu Region’ where ‘Takshshila University’ the famous university of ancient times was originated. He stated that since the imposition of the English Education Act enacted by Lord William Bentinck in the year 1835, the NEP-2020 is the first truly Indian Education Policy that gives importance to teaching in mother tongue language. He asserted that the English Education System introduced by British East India Company separated us from our native languages, our culture, our values, and our rich literature written by our ancient scholars. He referred to the fact that the tenth Sikh Guru established Nirmala Panth to promote knowledge in our native languages.

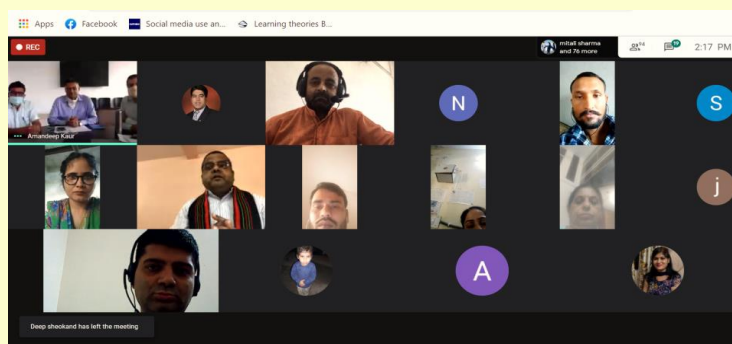
He highlighted the rich knowledge we possess in our ancient Sanskrit Language by referring to Khagol Vidya used to study stars and underlined that the introduction of English Language has made our ancient literature irrelevant to us. He appealed to teachers to disseminate the knowledge acquired in a foreign language into mother tongue language which can eliminate the language barrier and create a knowledgeable society. He also encourages researchers to write their thesis in Indian Languages to promote scientific temperament and innovation in our country. He expressed his belief that effective implementation of innovative reforms introduced in NEP-2020 will surely make India a knowledge centre of the world.

Vice Chancellor Prof. Tiwari communicated his gratitude towards Prof. Agnihotri for making participants aware of the rich knowledge we possess in Indian Languages and sharing his thoughts on the topic of the Webinar. He stressed that our culture has taught us values such as living life in harmony with nature, Vishwa Bandhutava, Vasudhaiva Kutumbakum, Athithi Devo Bhava etc which can be inculcated in our future generation by teaching in our mother-tongue language. He urged subject experts to translate famous English Books into our native language to enhance the access to knowledge to all. Towards the end, Registrar Shri K.P.S. Mundra delivered the formal vote of thanks

September 28, 2020: Central University of Punjab organized a Webinar on 'Indian Culture & Hindi' on concluding ceremony of Hindi Pakhwara

To celebrate the closing ceremony of Hindi Pakhwara which began on 14th September, Central University of Punjab organized a Webinar on the topic 'Indian Culture & Hindi' on 28th September 2020. CUPB Official Language Implementation Committee conducted this programme under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari, and under the joint the aegis of Official Language Implementation Committee, GOI, and Shiksha Sanskriti Utthan Nyaas, Punjab. In this Webinar, Prof. Chandan Kumar Chaubey from Delhi University and Dr. Ashutosh Kumar Mishra from Dr. Hari Singh Gaur University joined as the keynote speaker and special speaker respectively..

Keynote Speaker Prof. Chandan Kumar Chaubey expressed his views on the topic Indian Culture and Legacy of Hindi Language. He said that we have inherited a beautiful tradition of language and culture. He further explained that Indian Culture is interpreted as the art of living a nature-friendly life where rivers, mountains, and festivals are of special significance. He asserted that Hindi has a strong relationship with Indian culture and hence the basics of Hindi is taken to explain Indian culture/ He underlined the importance of Hindi Language to communicate to the masses by mentioning George Grierson, William Carey etc. At the same time, he also interpreted the Hindi language as a bridge to society and culture in the medieval Indian saint tradition.



Screenshot of the programme

After this, Dr. Ashutosh Mishra while speaking on the topic of 'Hindi ka Bazaar aur Bazaar ki Hindi ' said that Hindi has become the most powerful language of the world market today. . Referring to the dominance of Hindi in different countries of the world, Dr. Mishra mentioned that Hindi is one of the ten powerful languages of the world in the World Economic Forum. He also stated that Hindi is the easiest language to learn. He also discussed in detail the growing use of Hindi Language in various fields such as Digital, Social Media, Journalism, Translation, Entertainment, Cinema etc

At the start, Prof. Tarun Arora, Dean School of Legal Studies, welcomed the participants. After which, Dr. Rajinder Kumar, HoD, Hindi Dept. introduced the guest speakers and shared details about Hindi Pakhwara. Towards the end Prof. V.K. Garg, Dean Student Welfare, proposed a formal vote of thanks. The programme was attended by CUPB Officers, Staff members, Faculty and students of the university.

October 1, 2020 - Central University of Punjab organized Webinar on 'Women Empowerment: New Paradigms in National Educational Policy – 2020'

Central University of Punjab, Bathinda (CUPB) organized a Webinar on "Women Empowerment: New Paradigms in National Education Policy (NEP) 2020" as a part of the Webinar Series on NEP-2020. CUPB Internal Complaint Committee conducted this programme under the guidance of Vice Chancellor Prof. Raghavendra P. Tiwari. On this occasion, Prof. Pankaj Mittal, Secretary-General, Association of Indian Universities (AIU), was the keynote speaker.

The programme commenced with the Welcome Address by Dr. M.S. Dhanya, Member Secretary. After this, Prof. Anjana Munshi, Presiding Officer, put a light on the topic of the Webinar. While introducing the keynote speaker, Prof. Anjana Munshi mentioned that Prof. Pankaj Mittal is the second women Secretary General in AIU & has a wide-ranging experience of over three decades in higher education.



Prof. Pankaj Mittal

Keynote speaker Prof. Mittal informed that the female population of our country is equally capable and they have set new benchmarks in different professions even though the percentage of dedicated female educational

institutions in India is low. She cited the example of Dr. Marie Curie, the first women Nobel Prize Winner to state that women have greater zeal to learn and education could play a vital role in women empowerment. She highlighted the challenges in the empowerment struggle of women & suggested that society needs to change their perception of the stereotyped image of women, change their attitude towards the ability of women and allow them opportunities to break the glass ceiling. She asserted that NEP-2020 is an innovative, student-centric, democratic policy that focuses on providing inclusive quality education by taking all sections of society together.

She discussed the innovative reforms of NEP-2020 such as upgradation of Kasturba Gandhi Bal Vidyalayas up to 12th standard, creation of gender induced fund, the extension of age limit under Right to Education etc. and expressed her belief that its proper implementation will definitely help us to enhance 'Female GER' and create an educated society. She stressed that the women of our country should recognise their work contribution at home and at the workplace & they should stand out to lead the society along with the men.

Prof. V.K. Garg, Dean Student Welfare in his concluding remarks mentioned that CUPB is committed to providing equal access to quality education to all, to implement all imperatives of NEP-2020, and to empower everyone through knowledge. The webinar was attended by ICC members, faculty, staff members, and students of the university.

October 3, 2020: Central University of Punjab organized Webinar on 'Job Opportunities and Skill Requirements among students for Industry'

The Department of Computer Science & Technology (CST), Central University of Punjab, Bathinda organized a Webinar on "Job Opportunities & Skill requirements among students for Industry" under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari. The keynote speaker of this programme was Er. Charandeep Singh, Head Marketing & CRM, TVS Credit, Chennai. Students from engineering institutions of Punjab, Haryana, and Delhi region participated in this webinar.

Er. Charandeep Singh in his keynote address shared the case studies of successful start-ups young entrepreneurs & outlined that all of them have common qualities such as zeal to learn new things, passion to practice, power of communication, and ability to comprehend the situation & develop innovative solutions, etc. which played key role in their success. He highlighted various job opportunities available in different technical fields like App Making, Software Development, Artificial Intelligence, Data Science, Digital Marketing, Ethical

Hacking, Project Management etc. and encouraged students to enhance their employability chances by developing following soft skills. He also shared emerging job profiles such as Artificial Intelligence & Machine Learning, BlockChain Developer, Customer Success Specialists, Growth Manager, Cyber Security Specialists, Robotics Process Automation Developer, etc. which students can make a bright career. He suggested the youngsters choose the job profile of their interest and develop the habit of reading to enhance knowledge.

Vice Chancellor Prof. Tiwari emphasized that young technical experts should focus on developing innovative solutions in areas of farm surveillance, rice residue utilisation, farm irrigation management, precision farming etc to realise the vision of AatmaNirbhar Bharat.

October 16, 2020: Central University of Punjab organised a Webinar on “Career Opportunities and Related Skill Set for High-Performance Computing’

The Department of Computational Sciences (DCS), Central University of Punjab, Bathinda (CUPB) organized a Webinar on “Career Opportunities and Related Skill Set for High Performance Computing” under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari. The keynote speaker of this programme was Mr. Hirdey Vikram, Director - Sales (India & EMEA), Tyrone Systems, Netweb, India. Faculty, scholars, and students from different institutions participated in this webinar.

Keynote Speaker Mr. Hirdey Vikram discussed the details about High-Performance Computing (HPC), starting from basic to most advanced strategies of HPC. In his lecture, he discussed the application of a graphics processing unit (GPU), and shared how one can optimize the code based on the GPU architecture. He stressed that the GPU architecture is the most essential for present days computing. During the webinar, the different parts of the job opening, starting from architecture building, library optimization and software development for the HPC industry was discussed, which is relevant for Nation Education Policy–2020 implementation. Keynote speaker also highlighted the importance of Artificial Intelligence, Machine Learning, and Big Data knowledge for Bio-IT. He shared the future job prospects in computational biology, material science, renewable energy and related fields.

He advised research scholars to focus on Python, and GPU based code writing and its optimization.

The programme commenced with the Welcome Address of Prof. V.K. Garg, Dean Student Welfare, where he discussed the success of the DCS students. He stated that the course curriculum is designed to provide international exposure to students. He added, students from CUPB DCS joined as research scholars in many reputed International and National Universities / Institutions like Michigan State University, USA, University of Louisville, USA, University of Copenhagen, Denmark, IIT-Jodhpur, IIT-Gandhinagar, IIT-Mandi, Pondicherry University, ICT-Mumbai, NII-Delhi, IICB-Kolkata, Delhi University South Campus and others, for further research in this field. Towards the end Dr.Sudip Chakraborty, HoD, Department of Computational Sciences introduced the keynote speaker and discussed the importance of HPC for job opportunities in IT and Bio-IT based industry as well as the R&D units. Towards the end, he thanked the participants & organising team for the success of this programme.

October 23, 2020: Central University of Punjab launched Punjabi Version of NEP-2020

Central University of Punjab in association with MY NEP organised Inaugural Ceremony to launch the Punjabi Version of National Education Policy-2020 (NEP-2020). The event was conducted under the patronage of CUPB Vice Chancellor Prof. Raghavendra P. Tiwari. The Chief Guest of this Inaugural Ceremony was Prof. Raj Kumar, Vice Chancellor, Panjab University, Chandigarh. The Keynote Speaker and Distinguished Speaker of this programme were Prof. Kuldip C. Agnihotri, Vice Chancellor, Central University of Himachal Pradesh, and Shri K.N. Raghunandan, Vidya Bharti, Ucca Shiksha Sansthan respectively. Shri Vikrant Khandelwal, Social Activist and Thinker graced this event as Guest of Honour. Faculty, research scholars, and



Vice Chancellor Prof. R.P. Tiwari inaugurating the Punjabi Version of NEP-2020

students from different institutions attended in this programme through an online platform.

At the start, Prof. R.K. Wusirika, Programme Convener & Dean In-charge Academics, welcomed the guests and put a light on the programme theme. In his presidential address, Prof. Tiwari mentioned that our traditional education system has given importance to teaching in mother tongue language but with the introduction of British Education System in 1835 by East India Company the focus shifted to study in English, and this has detached us from our own culture. He asserted that NEP-2020 highlighted the importance of teaching in mother tongue language and introduced several reforms to enable our education system to produce global citizens who are well connected to our ancient values. While launching the Punjabi Version of NEP-2020, Prof. Tiwari stated that CUPB will circulate this document among all educational institutions of Punjab and the same shall be available on digital mode on University Website.

Chief Guest Prof. Raj Kumar congratulated CUPB for accomplishing this novel initiative which will enhance better understanding of NEP-2020 among people of Punjab. He stated that educational institutions have organised several discussion programmes to spread awareness about NEP-2020 and now it is time to focus towards its effective implementation through sharing of resources and joint participation.

Keynote speaker Prof. Kuldip Chand Agnihotri delivered a lecture on Role of Languages in NEP-2020 Policy Implementation. He shared the importance of richness of Gurumukhi language and emphasized that the Punjabi Version of NEP-2020 will provide access to this innovative policy document at the grassroot level. He appealed to teachers to disseminate the knowledge acquired in a foreign language into mother tongue language which can eliminate the language barrier and create a knowledgeable society.

Distinguished Speaker Shri K.N. Raghunandan spoke on the topic 'NEP-2020 Implementation at College and University Level'. He asserted that NEP-2020 is truly a student and nation centric policy which will play a vital role in realising the vision of AtmaNirbhar Bharat. He appreciated the effort of Team CUPB to produce NEP-2020 in Punjabi language and encouraged Prof. Tiwari to take this initiative to convert this document in other Indian languages as well. Towards the end, Registrar Shri Kanwal Pal Singh Mundra delivered the formal vote of thanks.

October 23, 2020: Central University of Punjab organised an International Webinar on "Self-Reliant Gandhi: Rearticulating Village, Cottage & Vintage"

Central University of Punjab, Bathinda (CUPB) organized an International Webinar on "Self-Reliant Gandhi: Rearticulating Village, Cottage and Vintage". CUPB Department of Sociology conducted this programme as a part of International Webinar Series on '150 Years of Celebrating the Mahatma'. The Keynote Speaker of this programme was Prof. Mohan K. Gautam, Leiden, Netherlands.

Keynote Speaker Prof. Mohan K. Gautam discussed the various phases of Mahatma Gandhi's life & highlighted many interesting facts of his life which shaped his philosophy. He discussed in detail how to methodologically engage within the social science domain with the thought and philosophy of Mahatma Gandhi. He

stressed on adoption of Gandhian Development Model for strengthening the production and functioning from village level to cottage level. He talked about the relevance of Gandhian thought and philosophy within the social sciences discipline and requested researchers to take up the topics relevant to village level.

Prof. Tiwari emphasized that Gandhian Ideology of self-belief, cooperation, sharing of resources, non-violence, social-equality, self-dependence & empowering the needy is very much relevant in present times to solve grass root problems and it will play an important role in realising the dream of AatmaNirbhar Bharat.



Prof. Mohan K. Gautam

October 24, 2020: CUPB NSS Cell organized Tree Plantation Drive



Vice Chancellor Prof. Raghavendra P. Tiwari planting tree sapling during NSS Tree Plantation Drive

To sensitize youngsters on the issue of environment conservation, the NSS Cell of the Central University of Punjab organized “Tree Plantation Drive” at CUPB Main Campus at Ghudda under the able leadership of Vice Chancellor Prof. Raghavendra P. Tiwari.

During this activity, CUPB Vice Chancellor Prof. Raghavendra P. Tiwari, along with Prof. Vinod K. Garg, Dean Students Welfare, Sh Kanwal Pal Singh Mundra, Registrar, senior faculty members, and NSS Officers planted tree saplings & encourage others to plant trees CUPB Faculty, Staff members & Research Scholars participated in this programme.

On this occasion, Vice Chancellor Prof. Tiwari appealed to everyone to devote some time to nature and put efforts to preserve Biodiversity reserves. To keep our environment clean, he urged everyone to adopt a tree in our society, stop using plastic bags, & reduce overconsumption of natural resources. In this plantation drive, various plants such as Amaltas, Cassia, Sukhchain, Sheesham, Palm, Neem, & fruit trees were planted at CUPB Ghudda Campus.

October 26, 2020: Central University of Punjab organised a Webinar on “Pursuit for Inspired Career in the Pharmaceutical Sector”

Central University of Punjab, Bathinda (CUPB) organized a Webinar on “Pursuit for Inspired Career in the Pharmaceutical Sector”. Dept. of Pharmaceutical Sciences & Natural Products and Dept. of Pharmacology at CUPB conducted this programme under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari. The keynote speaker of this programme was Prof. Saranjit Singh, HoD, Dept. of Pharmaceutical Analysis, NIPER, Mohali.

Keynote Speaker Prof. Saranjit Singh mentioned that youngsters can make an inspired career in the Pharmaceutical Sector in the form of employment or entrepreneurship. He shared the new trends in the Pharma Sector & highlighted that in the coming times technology would play a vital role in drug designing and drug manufacturing. He

discussed the application of Artificial Intelligence, Big Data, Robotics, Nano-Technology, Automation, and other new techniques in the Pharma Sector and emphasized that young pharma experts could make an inspiring career in these fields. He motivated youngsters to develop special skills along with their studies and focus on jobs in creative fields in the pharma sector for an inspired career.

Vice Chancellor Prof. Tiwari complimented Prof. Saranjit Singh and appreciated organisers for choosing student-centric topics & emphasized that CUPB is committed to conducting such programmes in future for the larger interest of the students.

Prof. Raj Kumar, HoD, Dept. of Pharmaceutical Sciences & Natural Products delivered the welcome address. and Dr. Puneet Kumar, HoD, Dept. of Pharmacology gave the formal vote of thanks.

October 31, 2020: Central University Punjab employees take Unity & Integrity Pledge

To pay tribute to Sardaar Vallabh Bhai Patel on his 145th Birth Anniversary, the Central University of Punjab organised 'Unity & Integrity Pledge Ceremony' for their employees on Saturday. CUPB NSS Cell and Dept. of Physical Education & Sports under the guidance of the Vice Chancellor Prof. Raghavendra P. Tiwari organised this programme online to celebrate Rashtriya Ekta Diwas and Vigilance Awareness Week.

During this programme, Prof. Monisha Dhiman, NSS Programme Coordinator presented a brief overview of NSS Activities during Vigilance Awareness Week- 2020. After this CUPB Chief Vigilance Officer Prof. Anjana Munshi shared the initiatives adopted by the University for Preventive Vigilance.



Screenshot of the programme

In his keynote address, Vice Chancellor Prof. Raghavendra P. Tiwari shared that Sardar Vallabh Bhai Patel, also known as the Ironman of India, played a pivotal role in our country's freedom struggle and in integration of more than 550 provinces into the Union of India. He expressed that we should take Unity & Integrity Pledge every day and perform our work with full honesty and dedication. He asserted CUPB is committed to preserving the unity and sovereignty of our nation by promoting the culture of teamwork, equality, transparency and honesty. He added, the University is also known as Mini India as students from 28 states, faculty from 19 states, and staff members from 12 states work unanimously with full dedication to set new benchmarks towards excellence in education & research.

On this occasion, Prof. V.K. Garg, Dean Student Welfare, administered Unity & Integrity Pledge to officials, faculty and staff members in the presence of university authorities. Shri K.P.S. Mundra, Registrar, complimented event organisers for smooth execution of this programme.

November 5, 2020: Central University of Punjab organised Webinar on 'Start-Up Ecosystem and Role of Universities'

The Institution's Innovation Council (IIC) of the Central University of Punjab, Bathinda (CUPB) organized a Webinar on "Start-up Ecosystem and Role of Universities" under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari. The keynote speaker of this programme was Prof. G. L. Puntambekar, Department of Commerce, and In-charge, Placement and Start-up Cell, Dr. Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh.

The programme commenced with the welcome address by Prof. Monisha Dhiman. She introduced keynote speaker to the participants.

Prof. Puntambekar in his address shared how academic knowledge and skills can help students to build their career successful entrepreneurs. He shared that although the university ecosystem is not very encouraging but with innovative ideas and determination, students can do wonders with minimal resources too.

Dr. Kiran K Singh and Dr. Vikas Jaitak coordinated the interactive session with the participants. Towards the end, Prof. R.K. Wusirika, Dean Incharge Academics, complimented the keynote speaker for his talk and for inspiring faculty & students to create an ecosystem for start-ups. and proposed a formal vote of thanks.

November 6, 2020: Central University of Punjab organised a Webinar on “Crop Residue Management with special emphasis on stubble burning”

The Department of Environmental Science and Technology at Central University of Punjab, Bathinda (CUPB) organized a Webinar on “Crop Residue Management with special emphasis on stubble burning” under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari. The keynote speaker of this programme was Punjab Pollution Control Board Chairman Prof. S.S. Marwaha. The Webinar was attended by faculty, scholars, and students from different institutions.

The programme commenced with the welcome address by Dr. Sunil Mittal, Associate Dean & HoD, Dept. of Environmental Science & Technology where he introduced the keynote speaker to the participants.

Keynote Speaker Prof. S.S. Marwaha in his address shared the major causes of crop residue burning such as short time duration between the harvesting of Paddy Crop and sowing of Wheat Crop, large volumes of rice residue left during the process of modern mechanised farming etc. He emphasized that stubble burning is harmful for the environment as well as for the human health because during the time of stubble burning, air pollution level increases from 3 to 5 times which becomes the cause of many health problems such as skin & eye irritation, lungs & heart diseases etc. He discussed various solutions for rice straw management such as using super straw management system on harvesters for proper mulching, using Happy Seeder for sowing, following In-situ decomposition practice by using Microbial Consortia, adopting cultivation of alternate crop (including cotton, maize, basmati rice etc). He also put a light on other uses of paddy residue such as Biomass to Energy, Bio CNG, Ethanol production, Tarification pallets, Mushroom Production etc.

He also shared the steps taken by the government to deal with the challenge crop residue management and stated that Punjab Energy Development Agency has commissioned Biomass Power Projects in various districts of Punjab such as Muktsar, Fazilka, Hoshiarpur, Jalandhar, Mansa, Moga, Faridkot, Firozpur etc, to support nearby farmers.

He added PPCB along with other agencies is also conducting trials for some bacterial & fungal inoculums for the easy degradation of rice residue within 2 to 4 weeks which will prove to be helpful in future. He concluded his talk by appealing people from academia to spread awareness about available alternatives for crop residue management techniques.



Prof. S.S. Marwaha

Vice Chancellor Prof. Raghavendra P. Tiwari mentioned that in earlier times, the residue of crops such as rice straw was considered useful & was effectively utilised in cattle feed, composting, thatching, poultry, mushroom cultivation, and manufacturing products such as paper, packaging material, mats, baskets, ropes etc. He added, with the modernisation, the usage of rice straw has decreased, and it is considered as a waste product. He encouraged scientists and researchers to unite and find out an innovative solution for effective utilisation of crop residues to increase the income of farmers.

Prof. V.K. Garg, Dean Student Welfare, informed that the faculty of CUPB is continuously working on various research projects to find out an innovative solution to such issues and assured that our team will come up with a series of interactive sessions in future to spread awareness on crop residue management in our community. Towards the end of the programme, Dr. Yogalakshmi KN thanked everyone for their active participation during this webinar.

November 9, 2020: CUPB organized National Webinar on 'Hind Di Chadar Sahib Shri Guru Tegh Bahadur Ji'

Central University of Punjab, Bathinda (CUPB) organized a National Webinar on 'Hind Di Chadar Sahib Shri Guru Tegh Bahadur Ji' on 9th November. The programme was conducted under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari as a part of Webinar Series to celebrate the 400th Prakash Purab of ninth Sikh Guru Shri Guru Tegh Bahadur Ji. The keynote speaker of this Webinar was Prof. Jagbir Singh, Former Professor, Delhi University.

At the start of Webinar, Prof. Harpal Singh Pannu, Chair Professor, Guru Gobind Singh Chair, welcomed the participants and introduced the keynote speaker. Dr. Lakhvir Lezia, shared the details of the programme theme.



Prof. Jagbir Singh

Keynote Speaker Prof. Jagbir Singh in his lecture put a light on life, philosophy, martyrdom, and teachings of Sri Guru Tegh Bahadur Ji. He said that Guru Sahib's

writings teach us to stay away from greed, to walk on the path of peace, to adopt the nature-friendly lifestyle, to practice fearless conduct, to believe in God, to control the thoughts of our mind and to work towards achieving the basic goal of life 'salvation'. He added, the Bani of Ninth Sikh Guru is registered in holy Sikh Scripture Shri Guru Granth Sahib and it guides us way to live a divine life. He highlighted that Guru Tegh Bahadur is popularly known as 'Hind Di Chadar' or Shield of India, for his brave sacrifice to protect the religious freedom of Hindus from Mughal oppression. He added, Guru Sahib had given his Martyrdom to promote the message of peace, religious tolerance, national integration, and cultural integration of India.

Vice Chancellor Prof. Raghavendra P. Tiwari complimented the keynote speaker for acquainting participants with different aspects of life of Guru Tegh Bahadur Ji. He mentioned that the philosophy and preaching of Guru Sahib is relevant for all times & it will continue to guide our society to live together peacefully by rising above religious divide. He mentioned that we should understand the basic message of 'Universal Oneness' given by all Sikh Gurus and should live happily together while leading a life that is compatible with nature. Shri Kanwal Pal Singh Mundra delivered the formal vote of thanks towards the end. Faculty & students from different institutions attended this webinar.

November 9, 2020: CUPB organized Online Orientation Programme to welcome new batch of Post Graduate Students

Central University of Punjab, Bathinda (CUPB) organized an Online Orientation Programme on Monday to welcome the new batch of Post Graduate Students. The objective of this programme is to help the newcomers to know about the details of the University System and its functioning so that they could better use its facilities. Keeping in mind the prevailing COVID-19 situation, the Orientation Programme was held online which was attended by students from across the country.

At the start of Programme Vice Chancellor Prof. Raghavendra P. Tiwari congratulated the new students for getting admission in this prestigious central university on their merit. He added, our students should feel proud to be a part of CUPB, as it has been accredited as "A Grade University" by NAAC and has got "87th Rank" in NIRF 2020 India Rankings. He gave the overview of education, training and research facilities being provided by the university. He shared that, as a part of NEP-2020, CUPB is focusing on implementing student-centric teaching pedagogy where our qualified

faculty will act as mentors to students and help them to understand the process of learning and to nurture their talent through experiential learning & blended learning. He emphasized that along with academic activities the university is committed to providing wide learning opportunities through various extra-curricular activities to develop scientific temperament, global competencies, and overall development of students. He asserted that our aim is to produce global intellectual citizens who will be connected with our ancient values, who will focus on finding solutions to problems of society, and who will contribute to the progress of our nation.

Prof. R.K. Wusirika, Dean Incharge Academics, shared details of Academic Activities, University Online Learning Management System, Examination & Evaluation process and encouraged students to get acquainted with facilities offered by various departments.

Prof. V.K. Garg, Dean Student Welfare, presented the details of CUPB Ghudda Campus spread in 500 acres land and shared University Rules & Regulations with students. He stated that CUPB provides equal opportunities to be educated to our students from 29 different states of India regardless of their personal, cultural, language background, and socio-economic statuses. He shared details of the University Library, Computer Centre, Health Centre, Physical Fitness Centre, IT Infrastructure, IPR Cell, Competitive Examination Cell, Hostels. He emphasized that CUPB is a 24*7 learning place where discussion & learning continues even beyond the class schedules.

During this Programme Prof. Anjana Mushi, Dean Research, highlighted the University Research Achievements and talked about various Research & Laboratory Facilities. Shri Kanwal Pal Singh Mundra, CUPB Registrar, mentioned University Administration is committed to providing continuous support to our students.

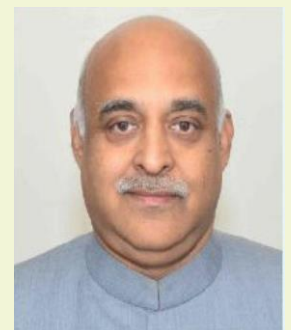
November 11, 2020: Central University of Punjab organized Webinar on 'National Educational Policy 2020 & Future Learning'

The School of Management at Central University of Punjab, Bathinda (CUPB) organized a Webinar on "National Education Policy (NEP) 2020 & Future Learning" as a part of the Webinar Series on NEP-2020. On this occasion, Prof. (Dr.) Santosh Rangnekar from Indian Institute of Technology, Roorkee was the keynote speaker.

In his presidential address, Vice Chancellor Prof. Tiwari emphasized on the need for implementation of innovative reforms of NEP-2020 particularly modernization of teaching pedagogy & evaluation pattern with the use of ICT in higher education. He stated that with the adoption of ICT in the Education Sector, the role of Higher Educational Institutions will be to provide real-time experiential learning, develop critical thinking and creation of new knowledge.

Prof. Santosh Rangnekar informed that in the last few years there is an increase in the shortage of talented manpower at the global level and 'Higher Education Learning should be aimed towards creating efficient manpower of the 21st Century.

He mentioned that one of the many innovative reforms of NEP-2020 is to include key 21st-century skills (such as problem-solving, teamwork, leadership, lifelong learning, work ethics, social responsibility, innovative thinking etc.) in 'Higher Education Learning' to produce a global workforce which can contribute towards our economy.



Prof. Santosh Rangnekar

He suggested that learners should be equipped with information, media & technology skills to get authentic information and highlighted the importance of adoption of KASH Model (based on Knowledge, Attitude, Skills, and Habit) to develop 21st century skills. He asserted that teachers will play a crucial role in shaping the hidden talent of each learner through student-centric education and mentoring beyond classrooms studies. He shared that top manpower management companies are working to implement 'Build, Buy, Borrow, and Bridge Strategy' to overcome the talent shortage for the future and Higher Education Learning under the guidance of NEP-2020 will play a crucial role in bridging that gap.

November 18, 2020: CUPB, BARC & AMDER would set a high-level committee of top scientists to research heavy metal & uranium in ground water of Punjab

The Central University of Punjab, Bathinda has started materializing the idea of setting up an integrated platform for the researchers of the top institutions of the country like; Atomic Mineral Directorate for Exploration and Research (AMDER), Hyderabad and Bhaba Atomic Research Centre (BARC), Mumbai. The core objective of setting up this integrated platform is to provide the solution of contamination of heavy metals and uranium in the groundwater of Malwa Region of Punjab.

In a meeting held between the top scientists of CUPB, BARC and AMDER, it is decided to set up a six-member high profile committee of the leading scientists, who would collaboratively work, to find out the real-time solution of the heavy metal and uranium in groundwater of Punjab and its surroundings region.

In this interactive session, Prof. Raghavendra P. Tiwari, Vice Chancellor CUPB, Dr. D. K. Sinha, Director AMDER, Shri R. M. Suresh Babu, Group Director, Health Safety & Environment Group of BARC along with the other leading scientists including Dr. M. Kulkarni, Dr. Sanjay Jha, Prof. VK Garg, CUPB, Dr. Sunil Mittal were present.

It is pertinent to mention that this integrated platform is a brainchild of Prof. Raghavendra P Tiwari, Vice Chancellor, CUPB to find out the real time solution of contamination of heavy metals and uranium in the groundwater of the Punjab.

On this occasion, Vice Chancellor Prof. Raghavendra P. Tiwari stated that CUPB has taken the initiative to find out the solutions of groundwater pollution of Punjab by collaborating with the top scientists of leading institutions of the country like BARC, AMDER. He shared the outcome of the meeting, that a high profile Committee of leading scientists two each from all three institutes (CUPB, BARC, AMDER) will be constituted to monitor the research progress & find out real-time solutions of the local heavy metal and uranium in the groundwater.

Prof. Tiwari briefed that this integrated platform would generate ample opportunities to research with premier institutions to promote collaborative research and to get access to high-tech research infrastructure. He also mentioned that efforts would be made to rope in the Central Ground Water Board for collaborative research in future. Prof. Tiwari further assured that this will help in setting up a platform where best scientists would work together to find out an innovative solution for contamination of groundwater of Punjab. He added that BARC, Mumbai and AMDER, Hyderabad are the premier institutes of India and expertise of their scientists will surely prove to be vital to conduct path-breaking research.

Prof. V.K. Garg, a leading Environment Scientist, of CUPB briefed that the thrust of discussion during interactive session was to find out sources of contaminants causing groundwater pollution, to study the impact of groundwater quality on the health of localities and to find out suitable solutions to this problem.

Dr. Sunil Mittal, Associate Dean, School of Environment and Earth Sciences, CUPB, shared the presentation on research projects conducted in the area of groundwater by faculty members of CUPB and discussed the challenges with expert scientists. He shared the current status of groundwater quality in Malwa region of Punjab along with adjoining districts of Haryana and Rajasthan States.

November 18, 2020: Central University of Punjab organized Webinar on 'Preparing for National Educational Policy'

The IQAC Cell of the Central University of Punjab, Bathinda (CUPB) organized a Webinar on “Preparing for National Education Policy (NEP) 2020”. On this occasion, Prof. (Dr.) M.K. Sridhar, Member of Draft NEP Committee and Member of UGC, was the keynote speaker.

The programme commenced with the Welcome Address by Prof. S.K. Bawa, Director IQAC. She introduced the keynote speaker and put a light on the topic of the Webinar.



Screenshot of the Webinar

Keynote speaker Prof. M.K. Sridhar in his address highlighted the importance of implementation of key reforms of NEP-2020 like Identifying Graduate Attributes, Developing Learning Outcome based Curriculum, achieving flexibility in the Higher Education System with multiple entry and exit options, adopting STEM/STEAM based learning for multidisciplinary studies, Academic Bank of Credit, Industrial Collaborations, Adoption of innovative teaching pedagogy techniques, Strengthening of Online Educational Resources, emphasizing on practical training for skill development etc. in order to produce

skill-based intellectual global workforce who can contribute to the nation’s development. He emphasized that now, all HEIs should start preparing for the implementation of NEP-2020 rather than still waiting for it. He also asserted that before initiating physical preparation, HEIs should mentally prepare teachers, administrators and students for effective implementation with the participation of everyone.

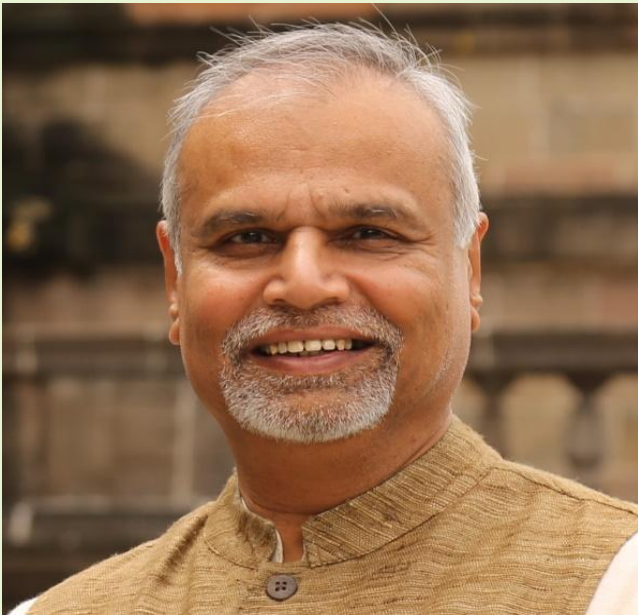
Vice Chancellor Prof. Raghavendra P. Tiwari complemented for sharing a roadmap for the implementation of NEP-2020. He informed that CUPB has already started its preparation for the implementation of NEP-2020 and has prepared Learning Outcome based Curriculum Framework leading to achieve Graduate Outcome for all our Post Graduate Programmes. He stated that the implementation of major reforms of NEP-2020 related to Curriculum Design & Development, Teaching & Learning; Training & Evaluation and Infrastructural reforms are only be possible with the support & participation of teachers & learners.

Shri Kanwal Pal Singh Mundra, the Registrar, ensured that the University administration will make necessary arrangement for effective implementation of all imperatives of NEP-2020. He thanked participants for making this programme a success

November 23, 2020: Central University of Punjab organized Webinar on ‘Indian Knowledge System and NEP-2020’

The IQAC Cell of the Central University of Punjab, Bathinda (CUPB) organized a Webinar on “Indian Knowledge System and National Education Policy (NEP) 2020”. On this occasion, Prof. Bhushan Patwardhan, Vice Chairman, UGC, was the keynote speaker.

The programme commenced with the Welcome Address by Prof. S.K. Bawa, Director IQAC. She introduced the keynote speaker and put a light on the topic of the Webinar. She informed that under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari, the university is conducting 9th Webinar on NEP-2020 under the Webinar Series on NEP-2020.



Prof. Bhushan Patwardhan

Keynote Speaker Prof. Bhushan Patwardhan in his thought-provoking lecture talked about Re-imagining Indian Universities by learning from the glorious past. He referred to Swami Vivekananda Ideology that education is the single most important instrument for bringing social and economic transformation and mentioned that NEP-2020 is truly a Bharat-centric policy that recognises the values of our culture and Indian Knowledge Traditions. He discussed the three different types of basic objectives of education i.e. Academic Objectives, Moral & Spiritual Values, and Social Sensitivity, and emphasized that the true purpose of education will be realised when we give importance to all the three types in our education system.

He pointed out that India has a great history with a rich cultural heritage of over thousands of years and we should look at it from a larger perspective. He shared that the Indian knowledge system has given us the best educational system of ancient times in the form of ashram system, gurukul system and world-famous Takshshila and Nalanda Universities, which produced Chanakya, Kautilya, Charak and other famous ancient scholars. He stated that our ancient Indian Education System based on the pedagogy of Question & Answers is aimed at developing curiosity, creativity and critical thinking in the mind of the learner and asserted that we need to include this methodology in our modern educational system.

He cited references of different levels of teachers of the Ancient Education System which range from knowledge disseminators to skill providers, and to the highest level named as 'Guru' who awakens our wisdom and emphasized that teachers of today should constantly strive to improve their skills.

During his lecture, Prof. Patwardhan dwells about the role of technology in future education. He opined that education in future will be technology-enabled, blended, cross-institutional, cross-cultural, and lifelong where more emphasis will be given to the emotional quotient and cultural quotient than merely on intelligent quotients. He discussed the role of Artificial Intelligence, Augmented Reality, and Online Learning Management Platforms like MOOCs in maximizing the power of digital learning and informed that the technological revolution has made it possible to impart education in any discipline in mother tongue language. Towards the end, he stated that future universities have to adopt technological changes and impart education based on the ethos of the Ancient Indian Education System to develop highly intellectual & responsible citizens who can contribute towards the development of the nation.

Vice Chancellor Prof. Raghavendra P. Tiwari complemented the keynote speaker for enlightening the participants on all aspects of Indian Knowledge System. He stated that Indian Knowledge System is not only limited to the Education System rather it covers all aspects of life & guides us to live in harmony with nature by taking care of each other. He appreciated Prof. Patwardhan for making a valuable contribution in introducing innovative reforms in the present education system and assured him that CUPB will implement all imperatives of NEP-2020 by providing inclusive education and wider opportunities to learn to our students.

November 24, 2020: CUPB IIC organised Webinar on “Identifying Intellectual Property component at the early stage of Innovation”

The Institution’s Innovation Council of the Central University of Punjab under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari organised a Webinar on Identifying Intellectual Property Component at the early stage of Innovation. The guest speakers of this programme were Ms. Reema Sahni Mediratta, Project Manager and Dr. Tripta Dixit, Deputy Project Manager. Both these speakers are from Innovation-Technology Transfer Office (ITTO), Foundation for Innovation & Technology Transfer, Indian Institute of Technology, Delhi under National Biopharma Mission, BIRAC, Govt. of India and World Bank Project. Faculty & students from various departments attended this webinar online.

The webinar was organized to provide overview of different forms of IPRs and different aspects of technology transfer. Ms, Reema Sahni Mediratta

introduced the participants with various forms of IPRs (Patent, Design, Trademark, Trade secrets and Copyright). Participants were made aware about the total duration for which the protection is granted after registration. She also discussed success stories of iTTO wherein the organization helped in filing the IPRs within a short period of time. Ms Tripta Dixit, Deputy Project Manager discussed various aspects of technology transfer which the organization must look into. She also emphasized the importance of carefully chosen words as this is a legal document. Further, it was informed that there is no format for technology transfer documents and it has to be drafted for individual cases.

The Webinar commenced with the welcome address by Prof. Monisha Dhiman, President IIC and Dr. Preeti Khetarpal, Programme Coordinator, introduced the programme theme. Towards the end, Dr. Kamlesh Yadav thanked everyone for making this programme a success.

November 25, 2020: CUPB organised Webinar on “Brain at Risk”

Central University of Punjab, Bathinda (CUPB) under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari organised a Webinar on “Brain at Risk”. On this occasion, Dr. Subhash Kaul, MD, DM (Neurology), FRP, Senior Consultant at KIMS Hospital, Hyderabad was the keynote speaker.

The programme commenced with the Welcome Address by Prof. Anjana Munshi, Dean Research, where she put a light on the topic of the webinar. While introducing the keynote speaker, she mentioned that Dr. Subhash Kaul has also served as faculty of Nizam’s Institute of Medical Sciences, Hyderabad for the period of 27 years and he has published around 120 research publications in National/International Journals.

Keynote Speaker Dr. Subhash Kaul mentioned that the human brain has evolved over a period of time. He added, the brain is the most important organ of our body which drives everything in today’s fast

moving society, and we need to take steps to preserve and protect it. He stated that almost every person get a healthy brain by birth but during the span of life this important organ of the human body gets slowly deteriorated due to external environmental factors, diseases & drugs, and negative thoughts. He described air pollution, mosquitoes, unwashed vegetables, and stray dogs as environmental hazards to our brain as these factors can not only become the cause of various diseases but can also affect our neurological system. He stressed that medical drugs must be taken in prescribed quantity and for a definite purpose otherwise it may also cause side effects.



Dr. Subhash Kaul

Dr.Kaul opined that neurological disability caused due to road accidents, brain strokes, and dementia is a hidden epidemic as in every minute 11 persons die in road accidents and millions of persons suffer from stroke annually. He advised to wear seat belts/helmet while driving, avoid using mobile phones and never drive in the condition of drowsiness. He pointed out that as per records of NIMS Hyderabad has recognised Stroke Registry hypertension, diabetes, smoking, high lipids, and prolonged infections as high-risk factors of brain stroke and suggested that a person should take necessary precautions under expert guidance to control these factors.

He highlighted that 'dementia' is the lack of memory power and problem-solving ability of a person, which commenced in our body with mild cognitive impairment and becomes acute with the period of one to two decades. He emphasized that to avoid these neurological problems, we should keep our brain physically & mentally healthy by doing regular exercise, avoiding a sedentary lifestyle, and following a healthy diet routine.

Registrar Shri Kanwal Pal Singh Mundra complimented organising team for thwe successful execution of this programme. This Webinar was attended by faculty, administrators, and students of the university.

November 26, 2020: Central University of Punjab celebrated 'Constitution Day 2020'

The Central University of Punjab joined the nation-wide celebrations to observe Constitution Day (Samvidhan Divas) on 26th November, 2020. To mark this occasion, CUPB Department of Law & NSS Cell hosted special activities as per the directions of the Ministry of Education.



Vice Chancellor Prof. Tiwari and CUPB Faculty members taking Constitution Day Pledge

On this day CUPB NSS Cell conducted a 'Constitution Pledge Ceremony' during which Vice Chancellor Prof. Raghavendra P. Tiwari, Registrar Shri K.P.S. Mundra, faculty, and administrators joined to read the preamble of the constitution led by Hon'ble President of India Shri Ram Nath Kovind on LIVE telecast by DD News.

As a part of celebrations, CUPB Dept. of Law organised a special Online Lecture by Prof. Ranbir Singh, Former Vice Chancellor, National Law University, Delhi for students. In his Constitution Day address, Prof. Ranbir Singh discussed the history of our Constitution and shared interesting facts about our constitution. He informed that 'Constitution of India' is the longest constitution of any sovereign country in the world and it is inspired from the goodness of constitution of different countries for a stronger democratic republic. He put a light on the importance of Constitution Day celebration and appealed to students to spread awareness about our fundamental rights & duties in the society. CUPB students attended this lecture online through Google Meet.

The programmes commenced by the Welcome Address by Prof. Monisha Dhiman, NSS Coordinator & Prof. Tarun Arora, Dean School of Legal Studies. Towards the end, Dr. Preeti Khetarpal, NSS Officer and Dr. Deepak Chauhan, HoD, Dept. of Law delivered a formal vote of thanks.

November 29, 2020: Central University of Punjab organized a Webinar on 'Universal relevance of Guru Nanak Bani'

To celebrate the 551st birth anniversary of the founder Guru of Sikhism 'Shri Guru Nanak Dev Ji', the IQAC Cell of the Central University of Punjab, Bathinda (CUPB) organized a Webinar on "Universal relevance of Guru Nanak Bani" under the patronage of the Vice Chancellor Prof. Raghavendra P. Tiwari. On this occasion, Prof. Manjit Singh (Retd.), Former Head of Punjabi Department, Delhi University, was the keynote speaker.

In her welcome address, Prof. S.K. Bawa, Director IQAC, put a light on the relevance of Guru Nanak Sahib's philosophy in relation to today's societal, environmental and political scenario. Dr. Ramanpreet Kaur described the topic of the Webinar and stated that 'Ek Onkar (ੴ)', the Sikh Mool Mantra given by Guru Nanak Sahib teaches us that God is One. While introducing the topic of the webinar, Dr. Ramanpreet Kaur described that Bhai Gurdas, Bhatt Sahib and Allama Iqbal in their writings depicted the Image of Sri Guru Nanak Dev ji in their writings as 'The Sun', 'Narayanan' and Mard-e-Kamil. She said Guru Nanak's Life and Bani also gives the insights, which can help humanity to come out from their different level problems at individual, social, cultural, religious levels in the present times.

The Keynote speaker Prof. Manjit Singh informed that Guru Nanak Bani registered in the holy book

of sikh religion 'Shri Guru Granth Sahib Ji' is the spiritual literature of Punjab that holds the entire ethos of the universe and has the global relevance at all times. He said, the classical literature written by Guru Nanak Dev Ji has its roots in

culture & folklore of Punjab, but it has a universal relevance as it talks about social equality for all, women empowerment, humanity and peace. He referred to the holy verses of Gurbani from Aasa di Var, Japu Ji Sahib, Adhiyatmk Waran, Sidh Gosti etc and shared that Gurubani preached its followers to lead truthful & pious life in harmony with nature and doing good to others. While discussing the global impact of Gurubani in present times, he asserted that even Sir Rabindranath Tagore, the writer of National Anthem of India, has called Guru Nanak Aarti "Gaggan Mai Thaal as the World's Anthem. He stated that Guru Nanak's teachings of Kirat Karo (Earning our livelihood honestly without exploitation or fraud), Naam Japo (Meditating the God's Name), and Vand Chhako (Sharing with others and helping those who are in need), would be considered the basic principles for living a peaceful life at all times.

Prof. R. K. Wusirika, Dean Incharge Academics gave the concluding remarks. Dr. Amandeep Singh delivered a formal vote of thanks.



Prof. Manjit Singh

UNIVERSITY RESEARCH PUBLICATIONS

List of University Research Publications

- Abbafati, C., Machado, D. B., Cislighi, B., Salman, O. M., Karanikolos, M., McKee, M., Abbas, K. M., Brady, O. J., Larson, H. J., Trias-Llimós, S., Zheleva, B., & Zhu, C. Nasir S. (2020a). Five insights from the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1135–1159. [https://doi.org/10.1016/S0140-6736\(20\)31404-5](https://doi.org/10.1016/S0140-6736(20)31404-5)
- Abbafati, C., Machado, D. B., Cislighi, B., Salman, O. M., Karanikolos, M., McKee, M., Abbas, K. M., Brady, O. J., Larson, H. J., Trias-Llimós, S., Zheleva, B., & Zhu, C. Nasir S. (2020b). Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1160–1203. [https://doi.org/10.1016/S0140-6736\(20\)30977-6](https://doi.org/10.1016/S0140-6736(20)30977-6)
- Abbafati, C., Machado, D. B., Cislighi, B., Salman, O. M., Karanikolos, M., McKee, M., Abbas, K. M., Brady, O. J., Larson, H. J., Trias-Llimós, S., Zheleva, B., & Zhu, C. Nasir S. (2020c). Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1204–1222. [https://doi.org/10.1016/S0140-6736\(20\)30925-9](https://doi.org/10.1016/S0140-6736(20)30925-9)
- Abbafati, C., Machado, D. B., Cislighi, B., Salman, O. M., Karanikolos, M., McKee, M., Abbas, K. M., Brady, O. J., Larson, H. J., Trias-Llimós, S., Zheleva, B., & Zhu, C. Nasir S. (2020d). Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1223–1249. [https://doi.org/10.1016/S0140-6736\(20\)30752-2](https://doi.org/10.1016/S0140-6736(20)30752-2)
- Adbarzi, S. S. M., Tripathi, P., Choudhary, K. K., Kant, R., & Tripathi, V. (2020). Assessment of physico-chemical properties of pre and post-treated wastewater of Prayagraj region and its effect on nearby Ganges river. *Vegetos*, 33(2), 258–264. <https://doi.org/10.1007/s42535-020-00103-y>
- Ahad, A., Gautam, K., Dey, K., Majid, S. S., Rahman, F., Sharma, S. K., Coaquira, J. A. H., Da Silva, I., Welter, E., & Shukla, D. K. (2020). Magnetic correlations in subsystems of the misfit [Ca₂CoO₃]0.62[CoO₂] cobaltate. *Physical Review B*, 102(9). <https://doi.org/10.1103/PhysRevB.102.094428>
- Ahmad, N., & Pandey, P. (2020). Spatio-Temporal Distribution, Ecological Risk Assessment, and Multivariate Analysis of Heavy Metals in Bathinda District, Punjab, India. *Water, Air, and Soil Pollution*, 231(8). <https://doi.org/10.1007/s11270-020-04767-9>
- Aimen, A., Kaur, A., & Sidheekh, S. (2020). Scale Invariant Fast PHT based Copy-Move Forgery Detection. *2020 11th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2020*. <https://doi.org/10.1109/ICCCNT49239.2020.9225276>
- Alegaonkar, A. P., Pardeshi, S. K., & Alegaonkar, P. S. (2020). Tellurium-reduced graphene oxide two-dimensional (2D) architecture for efficient photo-catalytic effluent: Solution for industrial water waste. *Diamond and Related Materials*, 108. <https://doi.org/10.1016/j.diamond.2020.107994>
- Allawadhi, P., Khurana, A., Allwadhi, S., Navik, U. S., Joshi, K., Banothu, A. K., & Bharani, K. K. (2020). Potential of electric stimulation for the management of COVID-19. *Medical Hypotheses*, 144. <https://doi.org/10.1016/j.mehy.2020.110259>
- Arya, A., & Sharma, A. L. (2020). Investigation on enhancement of electrical, dielectric and ion transport properties of nanoclay-based blend polymer nanocomposites. *Polymer Bulletin*, 77(6), 2965–2999. <https://doi.org/10.1007/s00289-019-02893-x>
- Baby, S. A., & Shanker, G. (2020). On the conformal change of Douglas space of second kind with special (α, β)-metric. *AIP Conference Proceedings*, 2261. <https://doi.org/10.1063/5.0016846>
- Banjare, L., Verma, S. K., Jain, A. K., & Thareja, S. (2020). Design and pharmacophoric identification of flavonoid scaffold-based aromatase inhibitors. *Journal of Heterocyclic Chemistry*, 57(9), 3483–3492. <https://doi.org/10.1002/jhet.4068>
- Barwal, T. S., Sharma, U., Vasquez, K. M., Prakash, H., & Jain, A. (2020). A panel of circulating long

- non-coding RNAs as liquid biopsy biomarkers for breast and cervical cancers. *Biochimie*, 176, 62–70. <https://doi.org/10.1016/j.biochi.2020.06.012>
- Bawa, S. K., Kaushal, R., & Dhillon, J. K. (2020). Unification of multimedia with techniques of art and vedic aphorisms for development of mathematical skills: A study of indian and uk school students. *Journal on Efficiency and Responsibility in Education and Science*, 13(3), 130–139. <https://doi.org/10.7160/eriesj.2020.130303>
 - Bhatti, J. S., Bhatti, G. K., Khullar, N., Reddy, A. P., & Reddy, P. H. (2020). Therapeutic Strategies in the Development of Anti-viral Drugs and Vaccines Against SARS-CoV-2 Infection. *Molecular Neurobiology*, 57(11), 4856–4877. <https://doi.org/10.1007/s12035-020-02074-2>
 - Biharee, A., Sharma, A., Kumar, A., & Jaitak, V. (2020). Antimicrobial flavonoids as a potential substitute for overcoming antimicrobial resistance. *Fitoterapia*, 146. <https://doi.org/10.1016/j.fitote.2020.104720>
 - Biswas, K., Tarafdar, A., Kumar, R., Singhvi, N., Ghosh, P., Sharma, M., Pabbi, S., & Shukla, P. (2020). Molecular Analysis of Disease-Responsive Genes Revealing the Resistance Potential Against Fusarium Wilt (*Fusarium udum* Butler) Dependent on Genotype Variability in the Leguminous Crop Pigeonpea. *Frontiers in Genetics*, 11. <https://doi.org/10.3389/fgene.2020.00862>
 - Biswas, R., Kundu, A., Saha, M., Kaur, V., Banerjee, B., Dhayal, R. S., Patil, R. A., Ma, Y.-R., Sen, T., & Haldar, K. K. (2020). Rational design of marigold-shaped composite Ni³⁺V²⁺O⁸ flowers A promising catalyst for the oxygen evolution reaction. *New Journal of Chemistry*, 44(28), 12256–12265. <https://doi.org/10.1039/d0nj01596b>
 - Brearley, E. J., Singh, P., Bhatti, J. S., & Mastana, S. (2020). Genetic variation and differentiation among a native British and five migrant South Asian populations of the East Midlands (UK) based on CODIS forensic STR loci. *Annals of Human Biology*, 47(6), 572–583. <https://doi.org/10.1080/03014460.2020.1797162>
 - Chauhan, R., Singh, N., Pal, G. K., & Goel, G. (2020). Trending biocontrol strategies against *Cronobacter sakazakii*: A recent updated review. *Food Research International*, 137. <https://doi.org/10.1016/j.foodres.2020.109385>
 - Das, P. P., Mohapatra, P. P., Goswami, S., Mishra, M., & Pattanaik, J. K. (2020). A geospatial investigation of interlinkage between basement fault architecture and coastal aquifer hydrogeochemistry. *Geoscience Frontiers*, 11(4), 1431–1440. <https://doi.org/10.1016/j.gsf.2019.12.008>
 - Dash, L., Biswas, R., Ghosh, R., Kaur, V., Banerjee, B., Sen, T., Patil, R. A., Ma, Y.-R., & Haldar, K. K. (2020). Fabrication of mesoporous titanium dioxide using *Azadirachta indica* leaves extract towards visible-light-driven photocatalytic dye degradation. *Journal of Photochemistry and Photobiology A: Chemistry*, 400. <https://doi.org/10.1016/j.jphotochem.2020.112682>
 - Dhiman, N., Kaur, K., & Jaitak, V. (2020). Tetrazoles as anticancer agents: A review on synthetic strategies, mechanism of action and SAR studies. *Bioorganic and Medicinal Chemistry*, 28(15). <https://doi.org/10.1016/j.bmc.2020.115599>
 - Driscoll, K., Deshpande, A., Datta, R., & Ramakrishna, W. (2020). Anti-inflammatory Effects of Northern Highbush Blueberry Extract on an *In Vitro* Inflammatory Bowel Disease Model. *Nutrition and Cancer*, 72(7), 1178–1190. <https://doi.org/10.1080/01635581.2019.1673449>
 - Erturk, V. S., & Kumar, P. (2020). Solution of a COVID-19 model via new generalized Caputo-type fractional derivatives. *Chaos, Solitons and Fractals*, 139. <https://doi.org/10.1016/j.chaos.2020.110280>
 - Ganghariya, G., & Kanozia, R. (2020). Proliferation of Hallyu wave and Korean popular culture across the world: A systematic literature review from 2000-2019. *Journal of Content, Community and Communication*, 10(6), 177–207. <https://doi.org/10.31620/JCCC.06.20/14>
 - Gao, W., Veerasha, P., Baskonus, H. M., Prakasha, D. G., & Kumar, P. (2020). A new study of unreported cases of 2019-nCoV epidemic outbreaks. *Chaos, Solitons and Fractals*, 138. <https://doi.org/10.1016/j.chaos.2020.109929>
 - Gautam, N., Salaria, N., Thakur, K., Kukreja, S., Yadav, N., Yadav, R., & Goutam, U. (2020). Green Silver Nanoparticles for Phytopathogen Control. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, 90(2), 439–446. <https://doi.org/10.1007/s40011-019-01115-8>

- Ghosh, A., Dadhich, A., Bhardwaj, P., Babu, J. N., & Kumar, V. (2020). Comparative analysis of metabolites in contrasting chickpea cultivars. *Journal of Plant Biochemistry and Biotechnology*, 29(2), 253–265. <https://doi.org/10.1007/s13562-019-00530-2>
- Gupta, S. K., Singh, P., Ali, V., & Verma, M. (2020). Role of membrane-embedded drug efflux ABC transporters in the cancer chemotherapy. *Oncology Reviews*, 14(2), 144–151. <https://doi.org/10.4081/ONCOL.2020.448>
- Gupta, S. K., Verma, K., Kumar, R., Sarkar, B., Mantha, A. K., & Kumar, S. (2020). Priming alleviates high temperature induced oxidative DNA damage and repair using Apurinic/aprimidinic endonuclease (Ape1L) homologue in wheat (*Triticum aestivum* L.). *Plant Physiology and Biochemistry*, 156, 304–313. <https://doi.org/10.1016/j.plaphy.2020.08.050>
- Gupta, S., Singh, A. K., Prajapati, K. S., Kushwaha, P. P., Shuaib, M., & Kumar, S. (2020). Emerging role of ZBTB7A as an oncogenic driver and transcriptional repressor. *Cancer Letters*, 483, 22–34. <https://doi.org/10.1016/j.canlet.2020.04.015>
- Iqbal, M., Saykar, N. G., Arya, A., & Mahapatra, S. K. (2020). MoS₂-CoS₂-Nano-flowers and nanorods composite for high-performance supercapacitor applications. *AIP Conference Proceedings*, 2265. <https://doi.org/10.1063/5.0017285>
- Jain, M., Mudhoo, A., Ramasamy, D. L., Najafi, M., Usman, M., Zhu, R., Kumar, G., Shobana, S., Garg, V. K., & Sillanpää, M. (2020). Adsorption, degradation, and mineralization of emerging pollutants (pharmaceuticals and agrochemicals) by nanostructures: a comprehensive review. *Environmental Science and Pollution Research*, 27(28), 34862–34905. <https://doi.org/10.1007/s11356-020-09635-x>
- Jakhar, M., Singh, J., Srivastava, S., & Kumar, A. (2020). 2D and 1D heterostructures based on ZT-MoSe₂ and PdSe₂. *AIP Conference Proceedings*, 2265. <https://doi.org/10.1063/5.0017352>
- Jamwal, S., Elsworth, J. D., Rahi, V., & Kumar, P. (2020). Gene therapy and immunotherapy as promising strategies to combat Huntington's disease-associated neurodegeneration: emphasis on recent updates and future perspectives. *Expert Review of Neurotherapeutics*, 20(11), 1123–1141. <https://doi.org/10.1080/14737175.2020.1801424>
- Jamwal, S., Gautam, A., Elsworth, J., Kumar, M., Chawla, R., & Kumar, P. (2020). An updated insight into the molecular pathogenesis, secondary complications and potential therapeutics of COVID-19 pandemic. *Life Sciences*, 257. <https://doi.org/10.1016/j.lfs.2020.118105>
- Joshi, G., & Kumar, R. (2020). Anticancer activity of imidazole fused quinoxalines via human topoisomerase inhibition. *Journal of the Indian Chemical Society*, 97(8), 1217–1225.
- Joshi, S., Kataria, N., Garg, V. K., & Kadirvelu, K. (2020). Pb²⁺ and Cd²⁺ recovery from water using residual tea waste and SiO₂@TW nanocomposites. *Chemosphere*, 257. <https://doi.org/10.1016/j.chemosphere.2020.127277>
- Jyoti, D., & Kumar, S. (2020). Modified Vakhnenko–Parkes equation with power law nonlinearity: Painlevé analysis, analytic solutions and conservation laws. *European Physical Journal Plus*, 135(9). <https://doi.org/10.1140/epjp/s13360-020-00785-y>
- Jyoti, D., Kumar, S., & Gupta, R. K. (2020). Exact solutions of Einstein field equations in perfect fluid distribution using Lie symmetry method. *European Physical Journal Plus*, 135(7). <https://doi.org/10.1140/epjp/s13360-020-00622-2>
- Kalra, S., Joshi, G., Kumar, M., Arora, S., Kaur, H., Singh, S., Munshi, A., & Kumar, R. (2020). Anticancer potential of some imidazole and fused imidazole derivatives: Exploring the mechanism: Via epidermal growth factor receptor (EGFR) inhibition. *RSC Medicinal Chemistry*, 11(8), 923–939. <https://doi.org/10.1039/d0md00146e>
- Katoch, N., Kumar, A., Sharma, R., Ahluwalia, P. K., & Kumar, J. (2020). Strain tunable Schottky barriers and tunneling characteristics of borophene/ MX₂ van der Waals heterostructures. *Physica E: Low-Dimensional Systems and Nanostructures*, 120. <https://doi.org/10.1016/j.physe.2019.113842>
- Kaur, A., Rani, U., & Josan, G. S. (2020). Modified Sauvola binarization for degraded document

images. *Engineering Applications of Artificial Intelligence*, 92. <https://doi.org/10.1016/j.engappai.2020.103672>

- Kaur, G., Gupta, S. K., Singh, P., Ali, V., Kumar, V., & Verma, M. (2020). Drug-metabolizing enzymes: role in drug resistance in cancer. *Clinical and Translational Oncology*, 22(10), 1667–1680. <https://doi.org/10.1007/s12094-020-02325-7>
- Kaur, M., Gupta, K. B., Thakur, S., Kaur, S., & Dhiman, M. (2020). *Parthenium hysterophorus* mediated inflammation and hyper-responsiveness via NF- κ B pathway in human A549 lung cancer cell line. *Environmental Toxicology*, 35(11), 1241–1250. <https://doi.org/10.1002/tox.22989>
- Kaur, P., Kotru, S., Singh, S., Behera, B. S., & Munshi, A. (2020). Role of miRNAs in the pathogenesis of T2DM, insulin secretion, insulin resistance, and β cell dysfunction: the story so far. *Journal of Physiology and Biochemistry*, 76(4), 485–502. <https://doi.org/10.1007/s13105-020-00760-2>
- Kaur, S., Kumar, A., Srivastava, S., Tankeshwar, K., & Pandey, R. (2020). Novel phosphorus-based 2D allotropes with ultra-high mobility. *Nanotechnology*, 31(32). <https://doi.org/10.1088/1361-6528/ab8cf1>
- Khan, I., Joshi, G., Sarkar, B., Nakhate, K. T., Ajazuddin, Mantha, A. K., Kumar, R., Kaul, A., Chaturvedi, S., Mishra, A. K., Mishra, A. K., & Gupta, U. (2020). Doxorubicin and Crocin Co-delivery by Polymeric Nanoparticles for Enhanced Anticancer Potential in Vitro and in Vivo. *ACS Applied Bio Materials*, 3(11), 7789–7799. <https://doi.org/10.1021/acsabm.0c00974>
- Khirid, S., Biswas, R., Meena, S., Patil, R. A., Ma, Y.-R., Devan, R. S., Dhayal, R. S., & Haldar, K. K. (2020). Designing of Ag₂S Nanowires from a Single-Source Molecular Precursor [(PPh₃)₂AgS₂P(OⁱPr)₂] for Hydrogen Evolution Reaction. *ChemistrySelect*, 5(34), 10593–10598. <https://doi.org/10.1002/slct.202002693>
- Kshetrimayum, K. S., & Laishram, P. (2020). Assessment of surface water and groundwater interaction using hydrogeology, hydrochemical and isotopic constituents in the Imphal river basin, Northeast India. *Groundwater for Sustainable Development*, 11. <https://doi.org/10.1016/j.gsd.2020.100391>
- Kumar, A., Madaan, M., Arya, A., Tanwar, S., & Sharma, A. L. (2020). Ion transport, dielectric, and electrochemical properties of sodium ion-conducting polymer nanocomposite: application in EDLC. *Journal of Materials Science: Materials in Electronics*, 31(13), 10873–10888. <https://doi.org/10.1007/s10854-020-03639-6>
- Kumar, A., Sachdeva, G., Pandey, R., & Karna, S. P. (2020). Optical absorbance in multilayer two-dimensional materials: Graphene and antimonene. *Applied Physics Letters*, 116(26). <https://doi.org/10.1063/5.0010794>
- Kumar, N., Rom, T., Singh, V., & Paul, A. K. (2020). Transition Metal Ions Regulated Structural and Catalytic Behaviors of Coordination Polymers. *Crystal Growth and Design*, 20(8), 5277–5288. <https://doi.org/10.1021/acs.cgd.0c00465>
- Kumar, S., Malik, S., & Biswas, A. (2020). A re-visitation to reported results on optical solitons. *Chaos, Solitons and Fractals*, 137. <https://doi.org/10.1016/j.chaos.2020.109855>
- Kumar, S., Malik, S., Biswas, A., Zhou, Q., Moraru, L., Alzahrani, A. K., & Belic, M. R. (2020). Optical Solitons with Kudryashov's Equation by Lie Symmetry Analysis. *Physics of Wave Phenomena*, 28(3), 299–304. <https://doi.org/10.3103/S1541308X20030127>
- Kumar, S., Verma, S. S., & Shah, S. H. (2020). Indo-US Convergence of Agenda in the new Indo-Pacific Regional Security Architecture. *South Asia Research*, 40(2), 215–230. <https://doi.org/10.1177/0262728020915564>
- Kumar, V., Kumar, B., Ranjan Dwivedi, A., Mehta, D., Kumar, N., Bajaj, B., Arora, T., Prashar, V., Parkash, J., & Kumar, V. (2020). Design, Synthesis and Evaluation of O-Pentyne Substituted Diphenylpyrimidines as Monoamine Oxidase and Acetylcholinesterase Inhibitors. *ChemistrySelect*, 5(27), 8021–8032. <https://doi.org/10.1002/slct.202002425>
- Kumari, P., Gupta, R. K., & Kumar, S. (2020a). On new symmetry, series solution and conservation laws of nonlinear coupled Higgs field equation. *European Physical Journal Plus*, 135(6). <https://doi.org/10.1140/epjp/s13360-020-00460-2>
- Kumari, P., Gupta, R. K., & Kumar, S. (2020b). Symmetry reductions and conservation laws of Rosenau Hyman equation with arbitrary constant coefficients. *AIP Conference Proceedings*, 2253.

<https://doi.org/10.1063/5.0018982>

- Kushwaha, P. P., Singh, A. K., Shuaib, M., Prajapati, K. S., Vardhan, P. S., Gupta, S., & Kumar, S. (2020). 3-O-(E)-p-Coumaroyl betulinic acid possess anticancer activity and inhibit Notch signaling pathway in breast cancer cells and mammosphere. *Chemico-Biological Interactions*, 328. <https://doi.org/10.1016/j.cbi.2020.109200>
- Majeed, A., Singh, A., Sharma, R. K., Jaitak, V., & Bhardwaj, P. (2020). Comprehensive temporal reprogramming ensures dynamicity of transcriptomic profile for adaptive response in *Taxus contorta*. *Molecular Genetics and Genomics*, 295(6), 1401–1414. <https://doi.org/10.1007/s00438-020-01709-2>
- Marston, H. R., Ivan, L., Fernández-Ardèvol, M., Rosales Climent, A., Gómez-León, M., Blanche-T, D., Earle, S., Ko, P.-C., Colas, S., Bilir, B., Gallistl, V., & Rohner, R. (2020). COVID-19: Technology, Social Connections, Loneliness, and Leisure Activities: An International Study Protocol. *Frontiers in Sociology*, 5. <https://doi.org/10.3389/fsoc.2020.574811>
- Megha, Mondal, K., Banerjee, A., & Ghanty, T. K. (2020). Adsorption and activation of CO₂ on Zr_N (n = 2-7) clusters. *Physical Chemistry Chemical Physics*, 22(29), 16877–16886. <https://doi.org/10.1039/d0cp02505d>
- Mehmood, R., & Kaur, A. (2020). Modified Difference Squared Image Based Non Local Means Filter. *2020 11th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2020*. <https://doi.org/10.1109/ICCCNT49239.2020.9225284>
- Mehra, S., Nisar, S., Chauhan, S., Singh, V., & Rattan, S. (2020). Soy Protein-Based Hydrogel under Microwave-Induced Grafting of Acrylic Acid and 4-(4-Hydroxyphenyl)butanoic Acid: A Potential Vehicle for Controlled Drug Delivery in Oral Cavity Bacterial Infections. *ACS Omega*, 5(34), 21610–21622. <https://doi.org/10.1021/acsomega.0c02287>
- Mishra, P. K., & Mishra, S. K. (2020). Integration of ASEAN-5 equity markets: Implications. *SCMS Journal of Indian Management*, 17(2), 20–29.
- Parray, I. R., Khurana, S. S., Kumar, M., & Altalbe, A. A. (2020). Time series data analysis of stock price movement using machine learning techniques. *Soft Computing*, 24(21), 16509–16517. <https://doi.org/10.1007/s00500-020-04957-x>
- Poduri, R., Joshi, G., & Jagadeesh, G. (2020). Drugs targeting various stages of the SARS-CoV-2 life cycle: Exploring promising drugs for the treatment of Covid-19. *Cellular Signalling*, 74. <https://doi.org/10.1016/j.cellsig.2020.109721>
- Pramanik, S., Agarwala, P., Vasudevan, K., & Sarkar, K. (2020). Human-lymphocyte cell friendly starch–hydroxyapatite biodegradable composites: Hydrophilic mechanism, mechanical, and structural impact. *Journal of Applied Polymer Science*, 137(30). <https://doi.org/10.1002/app.48913>
- Rahim, M. S., Chauhan, A., Madhawan, A., Mishra, A., Parveen, A., Garg, M., Bishnoi, M., Kumar, V., Oak, M. D., Singhal, N. K., Singhal, N. K., & Roy, J. (2020). Development and evaluation of chapatti quality of high amylose wheat mutants on the basis of physicochemical, textural and sensory characteristics. *LWT*, 133. <https://doi.org/10.1016/j.lwt.2020.110051>
- Rahim, M. S., Mishra, A., Katyal, M., Thakur, S., Sharma, M., Kumar, P., Parveen, A., Jaiswal, V., Singh, N., Kumar, V., Sharma, H., & Roy, J. (2020). Marker-trait association identified candidate starch biosynthesis pathway genes for starch and amylose–lipid complex gelatinization in wheat (*Triticum aestivum* L.). *Euphytica*, 216(9). <https://doi.org/10.1007/s10681-020-02688-6>
- Rani, G., Nabi, Z., Rajesh Banu, J., & Yogalakshmi, K. N. (2020). Batch fed single chambered microbial electrolysis cell for the treatment of landfill leachate. *Renewable Energy*, 153, 168–174. <https://doi.org/10.1016/j.renene.2020.01.118>
- Ranjan Dwivedi, A., Kumar, V., Kaur, H., Kumar, N., Prakash Yadav, R., Poduri, R., Baranwal, S., & Kumar, V. (2020). Anti-proliferative potential of triphenyl substituted pyrimidines against MDA-MB-231, HCT-116 and HT-29 cancer cell lines. *Bioorganic and Medicinal Chemistry Letters*, 30(20). <https://doi.org/10.1016/j.bmcl.2020.127468>
- Sahoo, P. K., Dall’Agnol, R., Salomão, G. N., Junior, J. D. S. F., Silva, M. S., e Souza Filho, P. W. M., da Costa, M. L., Angélica, R. S., Filho, C. A. M., da Costa, M. F., Guilherme, L. R. G., & Siqueira, J. O. (2020). Regional-scale mapping for determining geochemical background values in soils of the Itacaiúnas River Basin, Brazil: The use of compositional data analysis (CoDA). *Geoderma*, 376.

<https://doi.org/10.1016/j.geoderma.2020.114504>

- Sahoo, P. K., Powell, M. A., Mittal, S., & Garg, V. K. (2020). Is the transmission of novel coronavirus disease (COVID-19) weather dependent? *Journal of the Air and Waste Management Association*, 70(11), 1061–1064. <https://doi.org/10.1080/10962247.2020.1823763>
- Salomão, G. N., Dall'Agnol, R., Sahoo, P. K., Angélica, R. S., de Medeiros Filho, C. A., Ferreira Júnior, J. D. S., Sousa da Silva, M., Souza Filho, P. W. M. E., Nascimento Junior, W. D. R., da Costa, M. F., Guilherme, L. R. G., & Siqueira, J. O. D. (2020). Geochemical mapping in stream sediments of the Carajás Mineral Province: Background values for the Itacaiúnas River watershed, Brazil. *Applied Geochemistry*, 118. <https://doi.org/10.1016/j.apgeochem.2020.104608>
- Sarkar, S., Arya, A., Gaur, U. K., & Gaur, A. (2020). Investigations on porous carbon derived from sugarcane bagasse as an electrode material for supercapacitors. *Biomass and Bioenergy*, 142. <https://doi.org/10.1016/j.biombioe.2020.105730>
- Shanker, G., & Kaur, K. (2020). Homogeneous finsler spaces with exponential metric. *Advances in Geometry*, 20(3), 391–400. <https://doi.org/10.1515/advgeom-2020-0008>
- Sharma, A., Shukla, A., Attri, K., Kumar, M., Kumar, P., Suttee, A., Singh, G., Barnwal, R. P., & Singla, N. (2020). Global trends in pesticides: A looming threat and viable alternatives. *Ecotoxicology and Environmental Safety*, 201. <https://doi.org/10.1016/j.ecoenv.2020.110812>
- Sharma, A., Talimarada, D., Yadav, U. P., Singh, N., Reddy, A. S., Bag, D., Biswas, K., Baidya, A., Borale, A. N., Shinde, D., Singh, S., & Holla, H. (2020). Design and Synthesis of New Tubulin Polymerization Inhibitors Inspired from Combretastatin A-4: An Anticancer Agent. *ChemistrySelect*, 5(37), 11560–11572. <https://doi.org/10.1002/slct.202003170>
- Sharma, K., & Garg, V. K. (2020). Conversion of a toxic weed into vermicompost by *Eisenia fetida*: Nutrient content and earthworm fecundity. *Bioresource Technology Reports*, 11. <https://doi.org/10.1016/j.biteb.2020.100530>
- Sharma, R., & Jaitak, V. (2020). *Asparagus racemosus* (Shatavari) targeting estrogen receptor α : - An *in-vitro* and *in-silico* mechanistic study. *Natural Product Research*, 34(11), 1571–1574. <https://doi.org/10.1080/14786419.2018.1517123>
- Sharma, S., Malakar, C. C., & Singh, V. (2020). Transition-Metal-Free C-S Bond Forming Strategy towards Synthesis of Highly Diverse Pyrazole Tethered Benzothiazoles: Investigation of their Photophysical Properties. *Asian Journal of Organic Chemistry*, 9(11), 1857–1868. <https://doi.org/10.1002/ajoc.202000390>
- Sharma, S., & Singh, V. (2020). Exploration of pyrazole based aldo-x bifunctional building blocks for the synthesis of pyrazole annulated molecular architectures. *Journal of Heterocyclic Chemistry*, 57(11), 3735–3762. <https://doi.org/10.1002/jhet.4097>
- Sharma, U., Barwal, T. S., Acharya, V., Singh, K., Rana, M. K., Singh, S. K., Prakash, H., Bishayee, A., & Jain, A. (2020). Long non-coding RNAs as strategic molecules to augment the radiation therapy in esophageal squamous cell carcinoma. *International Journal of Molecular Sciences*, 21(18), 1–18. <https://doi.org/10.3390/ijms21186787>
- Sharma, U., Barwal, T. S., Acharya, V., Tamang, S., Vasquez, K. M., & Jain, A. (2020). Cancer Susceptibility Candidate 9 (CASC9): A Novel Targetable Long Noncoding RNA in Cancer Treatment. *Translational Oncology*, 13(8). <https://doi.org/10.1016/j.tranon.2020.100774>
- Sharma, U., Barwal, T. S., Malhotra, A., Pant, N., Vivek, Dey, D., Gautam, A., Tuli, H. S., Vasquez, K. M., & Jain, A. (2020). Long non-coding RNA TINCR as potential biomarker and therapeutic target for cancer. *Life Sciences*, 257. <https://doi.org/10.1016/j.lfs.2020.118035>
- Shiyani, T., Mahapatra, S. K., Bogle, K. A., & Banerjee, I. (2020). Biohybrid electrodes for photoelectrochemical solar energy conversion. *Journal of Renewable and Sustainable Energy*, 12(4). <https://doi.org/10.1063/5.0015139>
- Shukla, T., Mehta, M., Dobhal, D. P., Bohra, A., Pratap, B., & Kumar, A. (2020). Late-Holocene climate response and glacial fluctuations revealed by the sediment record of the monsoon-dominated Chorabari Lake, Central Himalaya. *Holocene*, 30(7), 953–965. <https://doi.org/10.1177/0959683620908654>
- Singh, D., Kumar, V., & Singh, V. (2020). Et<inf>3</inf>N/DMSO-supported one-pot synthesis of

- highly fluorescent β -carboline-linked benzothiofenones via sulfur insertion and estimation of the photophysical properties. *Beilstein Journal of Organic Chemistry*, 16, 1740–1753. <https://doi.org/10.3762/BJOC.16.146>
- Singh, J., Jakhar, M., Kumar, A., & Tankeshwar, K. (2020). Anisotropic and high carrier mobility of 2D α -Te. *AIP Conference Proceedings*, 2265. <https://doi.org/10.1063/5.0017367>
 - Singh, M., Paul, A. K., & Singh, V. (2020). A transition metal-free approach towards the regioselective synthesis of β -carboline tethered pyrroles and 2,3-dihydro-1: H -pyrroles. *New Journal of Chemistry*, 44(28), 12370–12383. <https://doi.org/10.1039/d0nj02315a>
 - Singh, M., Vaishali, Kumar, S., Jamra, R., Pandey, S. K., & Singh, V. (2020). A metal-free approach towards synthesis of β -carboline C1 substituted Pyrido(2,3-c)carbazole derivatives (nitramarine analogues) through A³-coupling and estimation of their light emitting properties. *Tetrahedron*, 76(47). <https://doi.org/10.1016/j.tet.2020.131640>
 - Singh, M., Vaishali, Paul, A. K., Singh, V., & Singh, V. (2020). Isatin as a 2-aminobenzaldehyde surrogate: Transition metal-free efficient synthesis of 2-(2'-aminophenyl)benzothiazole derivatives. *Organic and Biomolecular Chemistry*, 18(23), 4459–4469. <https://doi.org/10.1039/d0ob00888e>
 - Singh, N. P., Jukar, A. M., Patnaik, R., Sharma, K. M., Singh, N. A., & Singh, Y. P. (2020). The first specimen of *Deinotherium indicum* (Mammalia, Proboscidea, Deinotheriidae) from the late Miocene of Kutch, India. *Journal of Paleontology*, 94(4), 788–795. <https://doi.org/10.1017/jpa.2020.3>
 - Singh, S., Parida, J. K., & Awasthi, I. C. (2020). Employability and Earning Differentials Among Technically and Vocationally Trained Youth in India. *Indian Journal of Labour Economics*, 63(2), 363–386. <https://doi.org/10.1007/s41027-020-00222-9>
 - Singh, S., Raina, V., Chavali, P. L., Dubash, T., Kadreppa, S., Parab, P., & Chattopadhyay, S. (2020). Erratum: Regulation of GAD65 expression by SMAR1 and p53 upon Streptozotocin treatment (BMC Molecular Biol (2012) 13 (28) DOI: 10.1186/1471-2199-13-28). *BMC Molecular and Cell Biology*, 21(1). <https://doi.org/10.1186/s12860-020-00300-2> THIS IS NOT A PAPER BUT ERRATUM or Corrigendum of 2012 paper not original paper
 - Singh, T., & Meenakshi. (2020). Prevention of session hijacking using token and session id reset approach. *International Journal of Information Technology (Singapore)*, 12(3), 781–788. <https://doi.org/10.1007/s41870-020-00486-w>
 - Souza-Filho, P. W. M., Pinheiro, R. V. L., Costa, F. R., Guimarães, J. T. F., Sahoo, P. K., Silva, M. S., & Silva, C. G. (2020). The role of fault reactivation in the development of tropical montane lakes. *Earth Surface Processes and Landforms*, 45(14), 3732–3746. <https://doi.org/10.1002/esp.4997>
 - T., A. M., Kuriakose, N., Mondal, K., & Ghosh, P. (2020). CO₂ capture, activation and dissociation on the Ti₂C surface and Ti₂C MXene: The role of surface structure. *Physical Chemistry Chemical Physics*, 22(26), 14599–14612. <https://doi.org/10.1039/d0cp01700k> Please check this??
 - Thakur, L., Kushwaha, H. R., Negi, A., Jain, A., & Jain, M. (2020). *Leptomonas seymouri* Co-infection in Cutaneous Leishmaniasis Cases Caused by *Leishmania donovani* From Himachal Pradesh, India. *Frontiers in Cellular and Infection Microbiology*, 10. <https://doi.org/10.3389/fcimb.2020.00345>
 - Thakur, L., Singh, K. K., Kushwaha, H. R., Sharma, S. K., Shankar, V., Negi, A., Verma, G., Kumari, S., Jain, A., & Jain, M. (2020). *Leishmania donovani* infection with atypical cutaneous manifestations, Himachal Pradesh, India, 2014–2018. *Emerging Infectious Diseases*, 26(8), 1864–1869. <https://doi.org/10.3201/eid2608.191761>
 - Thakur, R., Ahluwalia, P. K., Kumar, A., Mohan, B., & Sharma, R. (2020). Electronic structure and carrier mobilities of twisted graphene helix. *Physica E: Low-Dimensional Systems and Nanostructures*, 124. <https://doi.org/10.1016/j.physe.2020.114280>
 - Thakur, S., Choudhary, S., Majeed, A., Singh, A., & Bhardwaj, P. (2020). Insights into the Molecular Mechanism of Arsenic Phytoremediation. *Journal of Plant Growth Regulation*, 39(2), 532–543. <https://doi.org/10.1007/s00344-019-10019-w>
 - Thakur, S., & Dinesh Babu P. “The Confluence in the Contemporary Art World of Literature and Postmodern Visual Arts in Jeff Vande Zande’s Landscape with Fragmented Figures.” *Rupkatha Journal on Interdisciplinary Studies in Humanities*. 12.5 (2020): 1-8. ISSN 09752935.

- Thakur, V., Jamwal, S., Kumar, M., Rahi, V., & Kumar, P. (2020). Protective Effect of Hemin Against Experimental Chronic Fatigue Syndrome in Mice: Possible Role of Neurotransmitters. *Neurotoxicity Research*, 38(2), 359–369. <https://doi.org/10.1007/s12640-020-00231-y>
- Toor, D., Jain, A., Kalhan, S., Manocha, H., Sharma, V. K., Jain, P., Tripathi, V., & Prakash, H. (2020). Tempering Macrophage Plasticity for Controlling SARS-CoV-2 Infection for Managing COVID-19 Disease. *Frontiers in Pharmacology*, 11. <https://doi.org/10.3389/fphar.2020.570698>
- Upadhyay, S., Mantha, A. K., & Dhiman, M. (2020). Glycyrrhiza glabra (Licorice) root extract attenuates doxorubicin-induced cardiotoxicity via alleviating oxidative stress and stabilising the cardiac health in H9c2 cardiomyocytes. *Journal of Ethnopharmacology*, 258. <https://doi.org/10.1016/j.jep.2020.112690>
- Vasudeva, K., Balyan, R., & Munshi, A. (2020). ACE-Triggered Hypertension Incites Stroke: Genetic, Molecular, and Therapeutic Aspects. *NeuroMolecular Medicine*, 22(2), 194–209. <https://doi.org/10.1007/s12017-019-08583-1>
- Vasudeva, K., & Munshi, A. (2020). miRNA dysregulation in ischaemic stroke: Focus on diagnosis, prognosis, therapeutic and protective biomarkers. *European Journal of Neuroscience*, 52(6), 3610–3627. <https://doi.org/10.1111/ejn.14695>
- Yadav, P., Garg, V. K., Singh, B., & Mor, S. (2020). Assessment of Arsenic in Groundwater of Southwestern Haryana, India and Chemical Body Burden Caused by its Ingestion. *Journal of the Geological Society of India*, 96(5), 521–525. <https://doi.org/10.1007/s12594-020-1591-0>
- Yadav, U. P., Singh, T., Kumar, P., Sharma, P., Kaur, H., Sharma, S., Singh, S., Kumar, S., & Mehta, K. (2020). Metabolic Adaptations in Cancer Stem Cells. *Frontiers in Oncology*, 10. <https://doi.org/10.3389/fonc.2020.01010>

RESEARCH PROJECTS WITH GRANTS SANCTIONED

Principal Investigator	Project Title	Funding Agency	Sanctioned Date	Sanctioned Amount (INR)
Dr. Chamkor Singh	Complex Flow Networks	DST-SERB	18-08-2020	1,12,40,000
Dr. Vinay Kumar Bari	Investigation on Oxysterol Binding protein and lipids crosstalk in antifungal drug resistance of pathogenic fungi	DST-SERB	26.11.2020	30,28,682
Dr. Debarishi Sarkar	Defining the role of Orexin B, a Novel hypothalamic neuropeptide, in regulation of spermatogenesis in mouse model	DST-SERB	26.11.2020	21,18,000
Dr. Preeti Khetarpal	Clinical and Molecular Characterization of Primordial Dwarfism (Pd) in Indian Patients	ICMR	09.11.2020	20,20,312
Dr. Sabyasachi Senapati	An Indian Initiative to Study Granulomatosis with Polyangiitis Through Clinical and Genomics Approach	ICMR	28.07.2020	16,74,924
Grand Total				2,00,81,918

GLIMPSSES OF CUPB IN THE FOURTH ESTATE

Committee to research uranium, heavy metals in Punjab's groundwater

Ludhiana: The Central University of Punjab, Bathinda (CUPB) has started working on the idea of setting up an integrated platform for researchers of top institutions of the country like Atomic Mineral Directorate for Exploration and Research (AMDER), Hyderabad and Bhaba Atomic Research Centre (BARC), Mumbai. The core objective of setting up this integrated platform is to provide a solution to contamination of groundwater of Punjab's Malwa region by heavy metals and uranium. ENS

सीयूपीबी के 10 भवनों का केंद्रीय मंत्री ने किया लोकार्पण

जामरन संवाददाता, बटिंडा : केंद्रीय शिक्षा मंत्री रमेश पोखरियाल निशंक ने सेंट्रल यूनिवर्सिटी पंजाब बटिंडा (सीयूपीबी) के गांव घुघा में स्थित 500 एकड़ भूमि पर बने अल्ट्रा माडर्न विश्वविद्यालय परिसर एवं नवनिर्मित भवनों का लोकार्पण सोमवार को सांसद हरसिमरत कौर बादल की उपस्थिति में वीडियो कॉन्फ्रेंसिंग के माध्यम से किया। उद्घाटन समारोह के दौरान केंद्रीय शिक्षामंत्री रमेश पोखरियाल ने सीयूपीबी के नए परिसर में 203.78 करोड़ रुपये की लागत से नवनिर्मित 10 भवनों और विश्वविद्यालय स्मारक का लोकार्पण किया। यह निर्माण कार्य सीयूपीबी के नए कैम्पस की विकास योजना के चरण -1 ए के तहत आते हैं।



सेंट्रल यूनिवर्सिटी के आनलाइन उद्घाटन कार्यक्रम में शामिल हुईं पूर्व केंद्रीय मंत्री हरसिमरत बादल। (मध्य) आनलाइन उद्घाटन करते हुए केंद्रीय शिक्षा मंत्री रमेश पोखरियाल। (दाएं) कार्यक्रम में शामिल कुलपति प्रो. डा. राघवेंद्र पी. तिवारी, कुलपति प्रो. जयरूप सिंह • जवाहर

रस्ता है। नई शिक्षा नीति हमें भारत को वैश्विक ज्ञान और नवाचार केंद्र बनाने के अपने मिशन को प्राप्त करने के लिए मार्गदर्शन करेगी। उन्होंने कहा यह पंजाब के लिए गर्व की बात है कि सीयूपीबी के शिक्षकों ने अमेरिका, कनाडा, जर्मनी, इंग्लैंड, इजरायल, जापान और आस्ट्रेलिया जैसे देशों के सर्वश्रेष्ठ विश्वविद्यालयों से प्रशिक्षण प्राप्त किया है। इतना ही नहीं, बल्कि विश्वविद्यालय में देश के 28 राज्यों के छात्र, 19 राज्यों के

संक्राय और 12 राज्यों के कर्मचारी भी कार्य कर रहे हैं। हरसिमरत कौर बादल ने नए परिसर के उद्घाटन पर विश्वविद्यालय के कर्मचारियों, छात्रों और पंजाब के लोगों को बधाई दी। उन्होंने कहा कि बटिंडा शहर अब पंजाब के शिक्षा केंद्र के रूप में जाना जाएगा और देश भर के छात्र गुणवत्ता की शिक्षा के लिए यहां आएंगे। सीयूपीबी के कुलपति प्रो. (डा.) राघवेंद्र पी. तिवारी ने मुख्य अतिथि

शिक्षा • केंद्रीय शिक्षा मंत्री रमेश पोखरियाल 'निशंक' करेंगे उद्घाटन, 500 एकड़ में मुख्य परिसर, 203.78 करोड़ से बनी हैं सीयूपी की इमारतें केंद्रीय विश्वविद्यालय के 11 भवनों का ऑनलाइन लोकार्पण आज

सोमवार 12 अक्टूबर को पंजाब केंद्रीय विश्वविद्यालय (सीयूपी) के गांव घुघा में 500 एकड़ में 203.78 करोड़ से स्थापित मुख्य परिसर व 11 नवनिर्मित भवनों का केंद्रीय शिक्षा मंत्री डॉ. रमेश पोखरियाल 'निशंक' बटिंडा में वीडियो कॉन्फ्रेंसिंग के जरिए दोपहर 3 बजे राट्ट को लोकार्पण करेंगे। विश्वविद्यालय के वाइस चान्सेलर प्रो. राघवेंद्र प्रसाद तिवारी ने कहा कि सीयूपी का हाथ-भरा नए परिसर को क्विंट रूप से जीआरआईएचए 5 के मानकों के अनुसार पर्यावरण के अनुकूल और ऊर्जा-कुशल बनाया गया है तथा परिसर के मास्टर प्लान को फ्लैट स्टार रेटिंग हासिल है जो केंद्रीय शाही विकास मंत्रालय का सर्वोच्च पुरस्कार है। भवनों के अलावा विश्वविद्यालय स्मारक (जय जवान, जय किसान, जय विद्यान और जय अनुसंधान) का भी लोकार्पण केंद्रीय मंत्री करेंगे।

वाइस चान्सेलर ने बताया कि मेन कैम्पस में पांच ब्लॉक और आठ अकादमिक ब्लॉक, नेता जी सुभाष चन्द्र बोस अतिथि गृह, सत तलवार शहीद भगत सिंह स्नातकोत्तर छात्रावास (लड़कियों), माता गुरजी स्नातकोत्तर छात्रावास (लड़कियों), अग्रणी भोजनालय ब्लॉक, राय बहदुर सर गंगा राम जल शोधन एवं क्लिफ्टर केंद्र, सर पद्म, विश्वविद्यालय स्मारक उपचार संस्थान, गणकृष्ण आवासिय परिसर, ए श्रेणी आवास, ए.पी.जे. अब्दुल कलाम आवासिय परिसर ई-श्रेणी आवास, स्वामी दानंद सरस्वती आवासिय परिसर एफ श्रेणी आवास का लोकार्पण केंद्रीय शिक्षा मंत्री डा. पोखरियाल करेंगे। अकादमिक भवन में 2200

विद्यार्थियों के समायोजन की क्षमता के साथ प्रयोगशालाएं, व्याख्यान कक्ष, संगोष्ठी कक्ष, पुस्तकालय आदि की सुविधाएं हैं। इस भवन में अस्थायी प्रशासनिक कार्यालय को बाद में शिफ्ट किया जाएगा। प्रत्येक छात्रावास में 308 छात्रों के समायोजन की क्षमता के साथ शिफ्ट उपलब्ध है। वहीं अग्रणी भोजनालय खंड में 650 विद्यार्थी एक साथ भोजन कर सकते हैं।

देश के 100 शीर्ष संस्थानों में शुमार विश्वविद्यालय विद्यार्थी प्रो. राघवेंद्र पी. तिवारी ने बताया कि 2009 में फंडर वीसी डा. जयरूप सिंह के समय शहर के 37 एकड़ के सिटी कैम्पस में शुरू हुए सीयूपी को नैक (एनएससी) से ए ग्रेड मान्यता मिल चुकी है तथा एनआईआरएच की रैंकिंग में देश के 100 शीर्ष विश्वविद्यालयों में सीयूपी स्थान बना चुका है। पंजाब केंद्रीय विश्वविद्यालय के नए कैम्पस के उद्घाटन समारोह को लॉन्च-टुर्निंग सीयूपीबी के आधिकारिक यूट्यूब चैनल पर की जाएगी।

बायोमैडीकल और संबंधित क्षेत्र में रिसर्च को लेकर एम्स बटिंडा और सीयूपीबी में हुआ ऐतिहासिक एमओयू

समझौते का लक्ष्य भारत में चिकित्सा विज्ञान के ज्ञान को बढ़ावा देना : प्रो. राघवेंद्र पी. तिवारी

दोनों संस्थाओं ने राट्ट के लिए योजना बनाई की अचार छात्रा • प्रो. तिवारी कुलपति सिंह



बटिंडा, 4 नवंबर (राजधानी) : अतिरिक्त प्रादेशी आयुर्विज्ञान संस्थान बटिंडा (एम्स, बटिंडा) और पंजाब केंद्रीय विश्वविद्यालय, बटिंडा (सीयूपीबी) ने आधुनिक चिकित्सा संबंधित विज्ञान के क्षेत्र में विज्ञान, स्वास्थ्य और अनुसंधान में सहयोग को बढ़ावा देने के लिए एक समझौते ज्ञान प्राप्त एमओयू पर हस्ताक्षर किए हैं। इस समझौते के तहत, बटिंडा में चिकित्सा विज्ञान के क्षेत्र में विज्ञान, स्वास्थ्य और अनुसंधान में सहयोग को बढ़ावा देने के लिए एक समझौते ज्ञान प्राप्त एमओयू पर हस्ताक्षर किए हैं। इस समझौते के तहत, बटिंडा में चिकित्सा विज्ञान के क्षेत्र में विज्ञान, स्वास्थ्य और अनुसंधान में सहयोग को बढ़ावा देने के लिए एक समझौते ज्ञान प्राप्त एमओयू पर हस्ताक्षर किए हैं।



प्रो. राघवेंद्र पी. तिवारी ने कहा कि इस समझौते के तहत, बटिंडा में चिकित्सा विज्ञान के क्षेत्र में विज्ञान, स्वास्थ्य और अनुसंधान में सहयोग को बढ़ावा देने के लिए एक समझौते ज्ञान प्राप्त एमओयू पर हस्ताक्षर किए हैं। इस समझौते के तहत, बटिंडा में चिकित्सा विज्ञान के क्षेत्र में विज्ञान, स्वास्थ्य और अनुसंधान में सहयोग को बढ़ावा देने के लिए एक समझौते ज्ञान प्राप्त एमओयू पर हस्ताक्षर किए हैं।

लर्निंग मैनेजमेंट सिस्टम शुरू करने वाला राज्य का पहला विश्वविद्यालय बना सीयूपी

बटिंडा कॉम्प्लेक्स -19 में ऑनलाइन लर्निंग मैनेजमेंट सिस्टम शुरू करने के लिए पंजाब केंद्रीय विश्वविद्यालय, बटिंडा ने एडवेंस्ड क्लूब्स का नवी एडमिनि मैनेजमेंट सिस्टम लॉन्च कर दिया है। विश्वविद्यालय की सीयूपीबी पंजाब का पहला तथा देश का नया विश्वविद्यालय है जहां लर्निंग मैनेजमेंट सिस्टम शुरू करने के लिए पंजाब केंद्रीय विश्वविद्यालय, बटिंडा ने एडवेंस्ड क्लूब्स का नवी एडमिनि मैनेजमेंट सिस्टम लॉन्च कर दिया है। विश्वविद्यालय की सीयूपीबी पंजाब का पहला तथा देश का नया विश्वविद्यालय है जहां लर्निंग मैनेजमेंट सिस्टम शुरू करने के लिए पंजाब केंद्रीय विश्वविद्यालय, बटिंडा ने एडवेंस्ड क्लूब्स का नवी एडमिनि मैनेजमेंट सिस्टम लॉन्च कर दिया है।



प्रदान करने हेतु एडवेंस्ड लर्निंग मैनेजमेंट सिस्टम विकसित करने को प्रोत्साहित है। कुलपति प्रो. राघवेंद्र पी. तिवारी ने कहा कि छात्रों को उच्च गुणवत्ता वाले डिजिटल शिक्षण अनुभव सुनिश्चित करने के लिए संबंधित प्रणाली ई-लर्निंग सामग्री जैसे ई-पीडी पाठ्यपुस्तक, यूट्यूबी मुद्रा, और सीयूपीबी संक्राय द्वारा निर्मित ऑनलाइन शैक्षणिक संसाधन प्राप्त करने को प्रोत्साहित करने की प्रेरणा मिलेगी। इस संकेत पर प्रो. एम्के बन्ना, प्रो. वीके गर्ग, डॉ. पी. आरके वरुणिका, डॉ. पी. अंजना मुरारी, प्रो. तरुण अरोड़ा के अलावा संक्राय सदस्यों, कर्मचारियों और छात्रों ने प्रणय किया।

GLIMPSSES OF CUPB IN THE FOURTH ESTATE

Raghavendra P Tiwari is new V-C of Central University of Punjab

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BATHINDA: Raghavendra P Tiwari has been appointed the new vice-chancellor of Central University of Punjab (CUP), Bathinda.

At present, Tiwari is the vice-chancellor of Dr Harisingh Gour Vishwavidyalaya, a central university at Sagar in Madhya Pradesh.

Tiwari, who replaces RP Kohli, is likely to join next week. The new vice-chancellor will serve for five years or till the time he attains the age of 70 years, whichever is earlier.

The Union human resource development ministry issued a notification on Thursday after President Ram Nath Kovind



appointed Tiwari the CUP vice-chancellor, registrar Dr KP Mundra said.

Tiwari will be the third vice-chancellor of the Bathinda-based university, which was set up in 2009.

A distinguished academician, Tiwari did PhD in geology from Gauhati University.

केंद्रीय यूनिवर्सिटी ने पाया देश में 87वां रैंक

जारा, बरिहा: बरिहा के लोगों को खुशखबरी है कि बरिहा में स्थित केंद्रीय यूनिवर्सिटी ऑफ पंजाब ने देश भर में 87वां स्थान प्राप्त किया है, जबकि पिछले साल केंद्रीय यूनिवर्सिटी 95वें रैंक पर थी। इस साल इस रैंक में सुधार करते हुए, आठ रैंक ऊपर आ गई है।

सबसे बढ़ती बात तो यह है कि 2009 में देश के प्रधान मंत्री मनमोहन सिंह की बनाई गई 13 यूनिवर्सिटीयों में से केंद्रीय यूनिवर्सिटी ऑफ पंजाब एकमात्र ऐसी यूनिवर्सिटी है, जिसने टॉप 100 में अपनी जगह बनाई है।

एम्प्रायअरली मंत्री सोना मांडियाणा नरिंह ने एनआइआरएफ रैंकिंग 2020 जारी की। इस सूची में केंद्रीय यूनिवर्सिटी ऑफ पंजाब बरिहा के 87वां स्थान मिला है।

यौरालाह है कि मानव संसाधन

छात्रों व स्टाफ की मेहनत है रैंकिंग चितला : डॉ. कोहली

केंद्रीय यूनिवर्सिटी ऑफ पंजाब के कुलपति डॉ. आर के कोहली ने कहा कि रैंक सुधारने का येग छात्रों व मेहनती स्टाफ को जगत है। सभी ने बहुत मेहनत की और नतीजा सबके सामने है। अने वाले समय में जब

22 राज्यों का है स्टाफ, पूरे देश से बढ़ते हैं छात्र

केंद्रीय यूनिवर्सिटी ऑफ पंजाब में अकेले पंजाब के ही नहीं, बल्कि पूरे देश से छात्र बढ़ते हैं। यूनिवर्सिटी में

यूनिवर्सिटी अपने मुख्य क्षेत्र में शिफ्ट हो जायगी तब रैंक में रिकॉर्ड सुधार होगा, क्योंकि छात्रों को बंद पर बड़ी लैब इवेंट्स करा दी जायेंगी। उनको रिवाज करके के लिए बेहतर सुविधा दी जायेंगी।

देश के 29 राज्यों के छात्र बढ़ रहे हैं तो 22 राज्यों से स्टाफ सदस्य बढ़ रहे हैं।

विजय मंत्रालय ने एनआईआरएफ रैंकिंग की शुरुआत साल 2015 में की थी। इसके तहत अलग-अलग कैटेगरी में भारतीय विज्ञान संस्थानों को रैंकिंग तब की जाती है। केंद्रीय यूनिवर्सिटी ऑफ पंजाब को रैंकिंग

उत्तर कहना है कि रैंकिंग में सुधार हुआ है, लेकिन ज्यादा नहीं। अने वाले समय में जब यूनिवर्सिटी अपने मुख्य क्षेत्र में शिफ्ट हो जायेंगी, तो रैंकिंग में काफी सुधार देखने को मिलना, क्योंकि वहां पर छात्रों की संख्या भी बढ़ जायगी और लैब के लिए भी बहुत जगह मिल जायगी। इसमें छात्र और बेहतरीन ढंग से रिसर्च कर पायेंगे।

यूनिवर्सिटीयों को रैंकिंग देने के कई पैरामीटर हैं। इनमें मुख्य हैं शोध, अकादमिक व तन्वीर की इम्प्रूवमेंट। मुख्य तौर पर इनको ही देखा जाता है।

इसमें टीपिंग लानिंग की गुणवत्ता, टीपिंग छात्रों की दर, पीएचडी टैकवटी, वित्तीय संशोधनों का खर्च ढंग से प्रयोग व रिसर्च ऑडिट शामिल है।

सेंट्रल यूनिवर्सिटी के वीसी प्रो. कोहली को कार्यकाल समापन पर किया सम्मानित

भास्कर नृगुण बरिहा

सेंट्रल यूनिवर्सिटी ऑफ पंजाब में वीसी प्रो. आरके कोहली के कार्यकाल के समापन पर विशेष कार्यक्रम का आयोजन किया गया। डीन स्टूडेंट विकास प्रो. वीके गर्ग, डीन इण्टीग्रेशन और एमप्लॉयमेंट प्रो. सुनील मुनी, विसिधर, केसल प्रांत सिंह स्टूडेंट्स अन्व प्रशासनिक कर्मचारियों ने प्रो. कोहली को प्रशस्त चय देकर सम्मानित किया।

स्टूडेंट विसिधर मुनी, वीके गर्ग ने बधाई प्रो. कोहली अंतराष्ट्रीय स्तर पर प्रशस्ति पुरस्कार जीतने के बारे में बताया। प्रो. कोहली को प्रशस्त चय देकर सम्मानित किया गया।



प्रो. आरके कोहली को सम्मानित करते अधिकारी।

सेंट्रल यूनिवर्सिटी ऑफ पंजाब के दूसरे वीसी का कार्यकाल समाप्त। लगभग 6 साल कार्यकाल को सफलतापूर्वक पूरा किया।

इस अवसर को स्थिति करने के लिए, विश्वविद्यालय के कर्मचारियों ने अपने निजिगत विभागीय के जीने अपने प्रशस्त चय देने के लिए एक विशेष कार्यक्रम रखा। वे शर्त समस्त के विधान एवं प्रशासनिक विभाग से जे.सी. बंस डायल फेलो अवार्ड के प्रायोजन में, और

नियुक्ति - कुलपति का जिम्मा संभालते हुए प्रो. राघवेंद्र प्रसाद बोले-अगले पांच वर्ष गुरुओं की धरती को करेंगे समर्पित

सेंट्रल यूनिवर्सिटी के नए कुलपति पंजाब की मिट्टी पर नतमस्तक

भास्कर नृगुण बरिहा

सेंट्रल यूनिवर्सिटी ऑफ पंजाब के नए कुलपति प्रो. राघवेंद्र प्रसाद बोले-अगले पांच वर्ष गुरुओं की धरती को करेंगे समर्पित।

प्रो. राघवेंद्र प्रसाद बोले-अगले पांच वर्ष गुरुओं की धरती को करेंगे समर्पित।



कुलपति प्रो. राघवेंद्र प्रसाद प्रसाद बोले-अगले पांच वर्ष गुरुओं की धरती को करेंगे समर्पित।

प्रो. तिवारी का नया कुलपति कार्यकाल पांच वर्षों का 70 वर्ष की आयु तक होगा। विश्वविद्यालय के पूर्व कुलपति प्रो. आरके कोहली ने प्रो. राघवेंद्र प्रसाद तिवारी को अभिभूत व संभय सदस्यों की उपस्थिति में कुलपति का पदवा सौंप व शुभकामनाएं दीं। यहां वह बताना बेहद असमंजस कि प्रो. तिवारी ने पंजाब की धरती पर बस सखे इस धरत पर मिट्टी पर नतमस्तक होकर प्रणम किया, जो एक कुलपति के सदैव जीवन, उच्च आचरण व सकारात्मक सोच को प्रदर्शित करते हैं।

36 साल का शैक्षणिक व प्रशासनिक अनुभव

प्रो. राघवेंद्र प्रसाद तिवारी ने 36 साल से अधिक का शैक्षणिक व प्रशासनिक अनुभव है। इसके पहले वे डी. हरी सिंह गैर विश्वविद्यालय, सागर (मध्य प्रदेश) के कुलपति थे। उन्होंने मितोज विश्वविद्यालय में डीन, स्कूल ऑफ आर्ट्स में एगू नेचुरल रिसोर्स मैनेजमेंट और डीन ऑफ़ कालिंकोटी विश्वविद्यालय के रूप में भी काम किया है। गैरकालीन विश्वविद्यालय में पीएचडी हॉलिस करने वाले प्रो.

दुनिया भर से 20,000 से अधिक प्रतिभागी ऑनलाइन कार्यशाला में ले रहे हैं भाग

पहली 7 दिवसीय साइंस लीडरशिप वर्कशॉप ऑनलाइन शुरू

बरिहा, 22 जून (बीएनए) सेंट्रल यूनिवर्सिटी ऑफ पंजाब बरिहा (सीयूपी) ने कुलपति प्रो. आरके कोहली के नेतृत्व में और के शर्त खत विश्वविद्यालय ऑनलाइन साइंस लीडरशिप वर्कशॉप (एग्राइजेशन) को 22 जून को शुरू किया। यह कार्यक्रम भारत की चार विशिष्ठ विद्यालय आकाशवाणी, सौराष्ट्र विश्वविद्यालय आकाशवाणी, भारत, इन्डियाना विश्वविद्यालय (इन्डियाना), डॉ. हिन्सली द्वारा सम्पन्न है। इस कार्यक्रम के आयोजन के लिए भारत और विदेश से अनेक विद्वान संशोधकों को आमंत्रित करने वाले प्रस्ताव भेजा गया और विश्व

विद्यालय आकाशवाणी को धन्यवाद दिया। उन्होंने कहा कि यह कार्यक्रम सेंट्रल यूनिवर्सिटी ऑफ पंजाब के उत्तरी क्षेत्र में प्रवर्धित करने के लिए एक अनूठे प्रयास है। उन्होंने कहा कि वे 200,000 से अधिक प्रतिभागी, विदेशी तथा क्षेत्रीय, युवा विद्वानों के साथ इस कार्यक्रम को शुरू करेंगे।

इस अवसर में, सीएनए टीवी पर 7 से 9 बजे तक कार्यक्रम का प्रसारण होगा।

डीन एकेडमिक प्रो. पी रामाराव को रिटायरमेंट पर दी शानदार विदाई

डेनिक दैनिका

बरिहा: सेंट्रल यूनिवर्सिटी ऑफ पंजाब के डीन एकेडमिक प्रो. पी रामाराव को रिटायरमेंट पर शानदार विदाई दी गई।



भास्कर नृगुण बरिहा: सेंट्रल यूनिवर्सिटी ऑफ पंजाब के डीन एकेडमिक प्रो. पी रामाराव को रिटायरमेंट पर शानदार विदाई दी गई।

CUP bags 12th rank among central varsities

BATHINDA, SEPTEMBER 14
The Central University of Punjab, Bathinda, (CUPB) has been ranked at 12th position among all central universities in the country.

Professor Tiwari said, "Our university has also secured CUPB on the 73rd position among the top 100 Indian universities in the overall category."

Prof. Raghavendra P Tiwari, Vice-Chancellor, CUPB, said "Outlook India-Icare Survey 2020 had also recently placed CUPB on the 73rd position among the top 100 Indian universities in the overall category."

Prof. Raghavendra P Tiwari, Vice-Chancellor, CUPB, said Outlook India had evaluated educational institutions on five parameters: academic and research excellence, industry interface and place-

ment, infrastructure and facilities, governance and admissions and diversity and outreach. In all these parameters put together, CUPB secured 512.72 out of 1,000 points.

Professor Tiwari said, "Our university has also secured place in the list of top 100 universities of India in NIRF 2020 rankings as well. All this signifies that CUPB is marching ahead towards excellence in the field of education and research, but we should strive to perform better for higher ranks in national and international levels." — TNS

सीपीसी के प्रोफेसर ने दुनिया के शीर्ष वैज्ञानिकों की सूची में बनाया स्थान

बरिहा, स्टैनफोर्ड यूनिवर्सिटी द्वारा किए गए एक अध्ययन में सीपीसी के प्रो. वी.के. गर्ग को पवित्र विज्ञान के शीर्ष वैज्ञानिकों की सूची में भारत में 15वां रैंक और दुनिया भर में 698वां रैंक प्राप्त हुआ।

प्रो. वीके गर्ग को विश्व के 1 लाख से अधिक शीर्ष वैज्ञानिकों के डेटाबेस में पवित्र विज्ञान विभाग में शीर्ष 2% भारतीय वैज्ञानिकों में शामिल किया गया है। इस डेटाबेस का विश्वविद्यालय विश्वरेणु डॉ. जीन पीए इवॉल्यूशन के नेतृत्व में स्टैनफोर्ड यूनिवर्सिटी, यूएसए की टीम द्वारा किया गया और इसे 16 अक्टूबर को प्रतिष्ठित जर्नल "पैयलओसम नागोल्सोनी" द्वारा प्रकाशित किया गया।

यह डेटाबेस साइटेच, एच-इंडेक्स, सफलता और कंपोजिट इंडेक्स आदि वैश्व मानकीकृत साइटेच इंडेक्स के आधार पर तैयार किया गया है। कुलपति प्रो. राघवेंद्र प्रो. तिवारी ने प्रो. गर्ग को बधाई दी। डीन रिसर्च प्रो. अंजना मुनी, कुलपति विश्व लेवल पर लिख मुंडरा ने प्रोफेसर गर्ग को सलाम दी।



प्रो. वीके गर्ग को विश्व के शीर्ष वैज्ञानिकों की सूची में भारत में 15वां रैंक प्राप्त हुआ।

विश्वविद्यालय कुलगीत

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पंजाब केन्द्रीय विश्वविद्यालय
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विज्ञान दृष्टि धारण करके
विद्या की इस फुलवारी से
महके देश का प्रांगण सारा
ज्ञान विज्ञान का मधुर संगम
जीवन मूल्यों का सहारा
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(डॉ. राजेंद्र कुमार सेन)

हिंदी विभाग



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