



CENTRAL UNIVERSITY OF PUNJAB

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

RANKED 84th AMONG UNIVERSITY CATEGORY IN N.I.R.F. INDIA RANKINGS 2021
BATHINDA-BADAL ROAD, V.P.O. GHUDDA, DIST. BATHINDA – PUNJAB



University Campus Photograph



INDIA RANKINGS 2021

Ranked at 84th position (University Category) in NIRF India Rankings 2021

Webometrics

RANKING WEB OF UNIVERSITIES

Ranked among top 10% Higher Education Institutions in Webometrics Ranking Web of Universities 2021

Outlook ICARE RANKINGS 2021

Ranked at 11th position in Top Central Universities of India in Outlook-I-CARE Rankings 2021

सुदीक्षा (SUDI KSHA)

A CUPB Newsletter

August—September, 2021 | Volume 14 (No. 1)

EDITORIAL

As the academic session 2020—21 moves towards its concluding stages and the university commences the registration process for admissions in UG & PG programmes through CU-CET 2021 for the Academic Year 2021—22, the hard efforts put in by faculty, staff, and students through quality work in the field of education and research start yielding positive results in national and international rankings. The university has improved its NIRF rank this year by obtaining the 84th position in the NIRF 2021 Edition, as compared to the 87th rank in NIRF 2020 and the 95th rank in NIRF 2019. The results of the Outlook I-CARE India Rankings and Webometrics Ranking Web of Universities further authenticate the world-class research and educational environment provided by the Central University of Punjab (CUP). This is because the university has been ranked at the 11th position in 'Top Central Universities of India' in the Outlook I-Care Rankings 2021 and was featured among the top 10% of HEIs worldwide in the Webometrics Ranking Web of Universities 2021. The guiding force who has envisioned the path towards excellence and inspired everyone to contribute to the growth journey of the university is the Hon'ble Vice Chancellor Prof. Raghavendra P. Tiwari, who has completed one year of his tenure during this period.

While understanding its commitment to implement the NEP2020 transformative reforms, the university signed an MoU with the Central Institute of Indian Languages, Mysore, to promote cooperation in the fields of education, innovation, and research on Indian languages. Another major development that occurred during this period was that the IQAC Cell of the university submitted a Self-Study Report on the NAAC Portal for the 2nd Cycle of NAAC accreditation.

The development work of the new projects at the Central University of Punjab accelerates as the university gets a sum of Rs 1.98 crore as grant in aid sanctioned by the Ministry of Food Processing Industry (MoFPI) for the setting up of a Food Testing Laboratory under the PM Kisan Sampada Yojana scheme. During his visit to the university, the former Punjab Chief Minister Sardar Prakash Singh Badal expressed his satisfaction with the development works at the Central University of Punjab's campus, the foundation stone of which was laid in 2015 when he was the chief minister of the state.

To actualize the NEP2020 Vision to provide holistic value-based education, the university organized a series of academic and extracurricular activities for the overall development of faculty, research scholars, and students. In this direction, the university organized a five-day ATAL-FDP on Quantum Information Processing and Applications. Besides this, several webinars/invited lectures by eminent academicians and esteemed scientists have been organized to enhance the understanding of students in their respective disciplines. The University's Institutional Innovation Council, Research Park, and Institutional Start-up Support Cell also ran a series of programmes to foster an environment of innovation and entrepreneurship. In addition to academic activities, the university also celebrated Swachhta Pakhwara 2021 and Hindi Pakhwara 2021, during which students got an opportunity to learn community service and got an opportunity to exhibit their talent in various competitions. The university celebrated the 75th Independence Day of India and organized special programmes on national days, viz., Entrepreneurship Day, Pharma Day, and NSS Day.

The world-class holistic education exposure at CUPB contributed to the development of essential skills among students and research scholars, resulting in their placement in top MNCs, corporate, and government organizations.

In this period, the university has progressed in the field of research with around 50 research publications. Four scholars have defended their PhD Vivas scheduled for this tenure. Seven newly joined faculty members of the university got recommendation for their project proposal from UGC's empowered committee to strengthen Basic Sciences Research under UGCs' FRPS Start-up Research Grant. The media reports of new species of marine algae discovered by CUPB Scientist further demonstrated the research focus of the university.

The above mentioned developments indicate that the university is marching ahead on the way towards excellence following the philosophy of Jai Jawan, Jai Kisan, Jai Vigyan, and Jai Anusandhan as envisaged by the Hon'ble Prime Minister Shri Narendra Modi and the Hon'ble Education Minister Shri Dharmendra Pradhan. The university's commitment to implementing NEP-2020 would certainly contribute towards making India *Vishwaguru*.

Vice Chancellor's Article

Ek Bharat Shreshtha Bharat: A Framework for Reviving Our Fading Glory

Human agency encompasses a physical, intellectual, emotional, social and spiritual existence emanating from the value system evolved during the process of culturalization. Through Namaskar or Namaste- a traditional Bharatiya form of greetings, we recognise and appreciate this existential frame of humanity. The explicit message is that these forms should sink with the idea of universal brotherhood and well-being of the animate and inanimate world and thus become worthy of such a salutation. These attributes in the Bharatiya civilization evolved in leaps and bounds because of long civilizational discourse with intense churning of thoughts and consciousness in several impulses of refinements. As a result, a unique and harmonious value system and worldview evolved that became national identity and pride.



Prof. Raghavendra P. Tiwari,
Vice Chancellor, CUPB

As for as Bharatiya Janmanas is concerned, the foundational frame of cultural sojourn primarily emanated from the preachings in the Vedas, Upanishads, Vedang, Puranas, Ramayan, Mahabharat, Shrimad Bhagwat Gita, Agam, Sutta Pitak and Sri Guru Granth Sahib Ji and also the messages embodied in the rich literature created by the of saints/sages and social reformers at different time-slices.

The very essence of Bharatiya civilization is amply demonstrated through four interconnected and gradually evolving doctrines of 'Ekam Sat Vipra Bahudha Vadanti'; 'Ayam nijah paroveti ganana laghuchetasam, udaracharitanam tu vasudhaiva kutumbhakam'; 'Om sarve bhavantu sukhinah sarve santu niramayah, sarve bhadraṇi paśyantū mā kaścid dukḥ khabhāgbhaveta; and 'Om isavasyam-idam sarvam yat-kinca jagatyam jagat, tena tyaktena bhunjitha ma gradhah kasya svid dhanam'. These basic tenets of our civilization received worldwide recognition and Bharat became 'Vishwa Guru'. In fact, we are lucky to have been born in the land where through intermingling of several belief systems, namely, Sanatan Dharma, Sikhism, Buddhism and Jainism, a larger world view not only of the chetan and achetan jagat but of the entire universe attained maturity. As a result, Bhartiya's co-existential frame of humanity in symbiotic interaction with nature received worldwide recognition.

Bharatiya civilization flourished under utmost poverty and scarcity of livelihood resources and reached zenith primarily on the premise of self-restraint, sacrifice, harmony, justice, cooperation, contribution and togetherness as practised during the Ram Rajya. 'Less is More' (=Theory of Minimalism) was the well-settled paradigm of socio-economic advancement. In spite of this, a rich indigenous knowledge base was created covering all aspects of life for enriching and widening the canvas of shared universal human and democratic values and sensibilities for the well-being of all mortal and immortal creatures.

It is in this backdrop that the ancient Bharatiya value system and way of life should become everlasting and be internalised as the guiding principle of our future civilizational and epistemological discourses. During the last few centuries, however, we witnessed severe erosion in universal human values and other such novelties of civilization. This may be attributed to the foreign invasion and western rule in our sacred land. Most-damaging effect, however, was due to embracement of macaulayan education system at the cost of native time-tested Gurukul System. Consequently, we have become slaves of western culture, value system, mind-set and thought and action process. This, besides eroding our rich cultural heritage, damaged our indigenous treasure of knowledge. Now, we live in a world, which operates on the paradigm of 'More is Less'. Ruthless exploitation of natural resources for satisfying our greed has become so rampant that we have to learn the idea and concept of nature centric sustainable development and dignity and decency of human race from the foreign intellectuals.

We need to preserve this millenniums old, time-tested, pluralistic and pervasive frame of humanity at all cost. Our ancestors made supreme sacrifices while practicing the spirit of universal brotherhood and nature centric socio-economic model of livelihood under extremely difficult circumstances and hardships without transgressing the path of truthfulness. They settled down to an environment friendly eco-system of samskars and customs, dwellings,

agricultural and health practices, dietary system, education and all other socio-economic arenas developed through long experiences of several generations. They transferred these rich cultures, traditions and parampara generations after generations without dilution.

Bharat needs to imagine its vision for future and explore possibilities to suit the hopes and aspirations of the people and make planned and concerted efforts to achieve those to secure its future in accordance with its past cultural traits. There is an urgent need to enhance the capacity of the nation state through prioritizing its role for achieving social democracy. We need to think about how we can shape a nation's destiny to attain peace and prosperity for every citizen. Bharat can become world leader only by demonstrating exemplary peace, cooperation, socio-economic development and harmony among its citizens. Misplaced, skewed and disharmonious model of development in vogue provoked our Hon'ble Prime Minister Shri Narendra Modi to think for an all-encompassing, participatory, inclusive and pervasive model of governance and development based on 'Sabka Saath, Sabka Vikas, Sabka Vishwas and Sabka Prayaas'. This, in my opinion, is the best possible articulation of our civilizational traits and assertion of the core strength of the nation for socio-economic growth. This model stipulates for the welfare of the last person in the social-economic strata with efforts, cooperation and contribution of all. This model inspires us to learn new ways of thinking with a view to create a new inclusive world order and may eventually take us out of the inequality trap and help establish social harmony. This is the path on which we need to tread to become self-restrained, self-reliant, self-confident and thus develop a sense of self-esteem and self-pride. Further, it has the potential to revive the fading glory of the nation for making Bharat 'Ek and Shreshth' and to connect the hearts of the citizens. NEP-2020, under the patronage of Hon'ble Minister of Education Shri Dharmendra Pradhan, can play a decisive role in making this cultural and socio-economic growth archetype envisioned by our beloved Prime Minister. In this context, I am reminded of a verse from the Bani of Sri Guru Arjan Dev Ji - 'होइ इकत्र मिलहु मेरे भाई, दुबिधा दूरि करहु लिव लाइ' (Sri Guru Granth Sahib, 1185).

Prof. Raghavendra P. Tiwari,
Vice-Chancellor,
Central University of Punjab, Bathinda

University Achievements

॥॥

September 9, 2021: CUPB obtained 84th Rank in the University Category in NIRF India Rankings 2021



INDIA RANKINGS 2021

The Central University of Punjab has added another feather to its cap by obtaining the 84th rank in the 'University Category' in

the Ministry of Education's (MoE) 'National Institutional Ranking Framework (NIRF) India Rankings 2021' released by Hon'ble Minister of Education Shri Dharmendra Pradhan on Thursday. This university has been listed among the 'Top 100 Universities in India' in the NIRF Ranking for the third time in the last three years. Among the 45 central universities in India, CUPB is ranked at 12th position in NIRF 2021.

Under the able guidance of Chancellor Prof. Jagbir Singh and the dynamic leadership of Vice Chancellor Prof. Raghavendra P. Tiwari, the CUP once again stood on top

with the best rank in NIRF 2021 among the Central Universities of India established in 2009 and afterward. The university has improved its NIRF rank this year by obtaining the 84th position in the NIRF 2021 Edition, as compared to the 87th rank in NIRF 2020 and the 95th rank in NIRF 2019.

To rank universities and institutes, the NIRF team adopted the methodology duly approved by MoE and evaluated educational institutions across the country on five parameters, i.e., Teaching Learning and Resources (TLR); Research and Professional Practices (RPP); Graduation Outcomes (GO); Outreach & Inclusivity (OI); and Perception.

Prof. Raghavendra P. Tiwari, the Vice-Chancellor, attributed this success to the hard work of faculty, students, and staff of the university. He stated that we

need to especially improve on the parameters of Research and Professional Practices (RPC) and Perception apart from strengthening the remaining three parameters of NIRF in the coming years. As far as RPC is concerned, the faculty and research scholars need to increase the number of research publications, research projects, and patents. For the improvement in

Perception, Prof. Tiwari appealed to the CUPB fraternity to conduct research to find solutions to local and national issues and establish a strong connection with society through outreach programmes.

.....

September 16, 2021: Central University of Punjab made its place among top 10 % Higher Education Institutions across the world in ‘Webometrics Ranking of World Universities’

While fulfilling its aspirations to represent India in the list of top educational institutions on the international stage, the Central University of Punjab, Bathinda (CUPB) has achieved another milestone by making its mark among the top 10% of Higher Education Institutions (HEIs) worldwide in ‘Webometrics Ranking of World Universities’ (Ranking Web of Universities). The fact is evident as the CUPB got a World Rank of ‘2983’ among the 31,000 plus Higher Educational Institutions (HEIs) listed from more than 200 countries across the globe in the above rankings.

The Ranking Web of Universities is an initiative of the Cybermetrics Lab, a research group belonging to the CSIC (Consejo Superior de Investigaciones Científicas), the largest public research body in Spain. The Ranking Web or Webometrics is the largest academic ranking

Webometrics RANKING WEB OF UNIVERSITIES

that evaluates educational institutions across the globe based on Presence, Visibility, Transparency, and Excellence. The objective of this Ranking is to promote Open Access to the knowledge generated by the University.

According to the Webometrics Ranking of World Universities, CUPB is ranked 135th out of 5281 HEIs in India, 182nd out of 5916 HEIs in South Asia, and 548th out of 10319 BRICS HEIs (Brazil, Russia, India, China, and South Africa). On the continental stage, the university got the 785th rank among 14356 HEIs of Asia (excluding the Middle East), the 1031st rank among 15815 HEIs of Asia (including the Middle East), and the 2053rd rank among 21440 HEIs of Eurasia (Europe and Asia).

On this occasion, Vice Chancellor Prof. Raghavendra P. Tiwari congratulated the CUP fraternity on this accomplishment.

.....

September 28, 2021: Central University of Punjab ranked at 11th position in ‘Top Central Universities of India’ category of Outlook-ICARE Rankings 2021

Outlook ICARE RANKINGS 2021

Moving ahead in its pursuit towards excellence, the Central University of Punjab, Bathinda, under the dynamic leadership of the Vice Chancellor Prof. Raghavendra P. Tiwari, has achieved another milestone by obtaining the 11th position in the Top 25 Central Universities category of Outlook-ICARE India’s Top University Rankings 2021. The University has improved its rankings by one spot as last year CUPB was ranked at 12th position in Top Central Universities of India in Outlook-ICARE Rankings 2020. This ranking was released by Outlook India with the aim of helping students make an informed choice.

Outlook India evaluated educational institutions on five parameters: Academic and Research Excellence, Industry Interface & Placement, Infrastructure and

Facilities, Governance & Admissions, and Diversity & Outreach. In all these parameters put together, CUPB got an overall score of 593.94 points out of 1000 points in the Outlook-ICARE 2021 Rankings, whereas in the Outlook-ICARE India 2020 Rankings, the university got an overall score of 512.72 points out of 1000 points.

Prof. Raghavendra P. Tiwari, the Vice-Chancellor, stated that it is a moment of pride for us as the Central University of Punjab has been at the forefront among new central universities of India established since 2009 in the NIRF India 2021 Rankings as well as in the Outlook-ICARE India Rankings 2021. He attributed this success to the hard work of faculty, students, and staff of the university.

.....

September 2, 2021: Central University of Punjab gets a grant of 1.98 Crore from MoFPI for setting up of Food Testing Laboratory under PM Kisan Sampada Yojana scheme

Under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari, the Central University of Punjab, (CUPB) received the second instalment of the grant-in-aid of Rs 1.98 crore from the Ministry of Food Processing Industries (MoFPI) for the setting up of a Quality Control/Food Testing Laboratory at the university campus under the scheme for Pradhan Mantri Kisan Sampada Yojana – Food Safety and Quality Assurance Infrastructure. The university has got a total approved non-recurring grant-in-aid of Rs 5.15 crore under this scheme, out of which the first instalment of Rs 2.01 crore was released on 31.01.2018. The sanction order for the release of the second instalment of this scheme was issued by MoFPI in the last week of August 2021.

Prof. Raghavendra P. Tiwari, the Vice Chancellor of the Central University of Punjab, mentioned that the grant for the setting up of a Food Testing Laboratory at CUPB will be imperative for meeting the regulatory requirement for ensuring the quality and safety standards of processed food, agriculture products, and allied agri-products for the agri-intensive state of Punjab. The Food Testing Laboratory, established at the

Department of Applied Agriculture, CUPB, will also ensure the dissemination of information on food quality and safety through awareness programmes and hands-on training for the people of Punjab and adjoining states.

Prof. Raj Kumar, Incharge Central Instrumentation Lab (CIL), CUPB, stated that this grant will be utilized to purchase and operationalize the Food Quality and Safety Testing equipment such as Gluten Analyzer, Texture Analyzer, Kjeldahl Distillation System, Muffle Furnace, Weighing Balances, Walk-in cold rooms along with other minor equipment.

The work for the establishment of the Food Testing Laboratory at the University has already commenced and the university has developed basic infrastructure. A Total of 13 PAC approved equipment were successfully purchased and operationalized utilizing the 1st instalment of this grant. The equipment pertaining to this project is being maintained in the Central Instrumentation facility of the CUPB.

.....

September 13, 2021: CUPB students got selected in top MNCs, Corporate and Government Organizations

The PG/Ph.D. students of the Central University of Punjab (CUPB) have showcased their talent during the job interviews conducted by corporate houses and government organizations in 2021. This year, around 41 students were selected by MNCs/ Corporate Houses providing services in the pharmaceutical, software, IT, education, healthcare, biosciences, management, and agri-export sectors. In addition to this, around 24 students were selected by government organisations and 4 students were selected by foreign universities/government departments of other countries. Out of 69 students who got selected through job interviews, 25 were selected via a placement drive conducted by different departments of the university, namely the Dept. of Pharmaceutical Sciences & Natural Products; the Dept. of Pharmacology; the Dept. of Applied Agriculture; and the Dept. of Computer Science & Technology.

As per the information received from different departments of the university, 10 students from the Department of Pharmaceutical Sciences & Natural Products, five (5) students from the Department of

Pharmacology, three (3) students from the Department of Applied Agriculture, seven (7) students from the Department of Computer Science & Technology, six (6) students from Dept. of Mathematics and Statistics, two (2) students from Dept. of Biochemistry, four (4) students from Dept. of Chemistry, three (3) students from Dept. of Microbiology, eight (8) students from Dept. of Plant Sciences, three (3) students from Dept. of Physical Education, three (3) students from Dept. of Financial Administration, four (4) students from Dept. of Education, two (2) students from Dept. of Physics, two (2) students from Dept. of Zoology, two (2) students from Dept. of Environment Science & Technology, two (2) students from Dept of Hindi, and one (1) student each from Dept. of English, Dept. of Computational Sciences and Dept. of Geography got selected through job interviews.

The highest packages got by students who are selected by Indian and foreign organizations are Rs 10.2 Lakh per annum and 52,704 USD per annum, respectively. Apart from this, many students studying in PG programmes at

the university have qualified in competitive exams to avail scholarships for pursuing higher education.

Some of the MNCs/Corporate/Govt. Organizations where CUPB students got selected, are Case Western Reserve University, Ohio, USA; Peace River Regional District (PRRD), Edmonton, Canada; Umea University, Sweden; Journal of Visualized Experiments; AIIMS, New Delhi; ICMR-NICPR, Noida; J.C. Bose University of Science and Technology, Faridabad; PAU, Ludhiana; Jawahar Navodaya Vidyalaya; Innodata, Noida; Parexel, Chandigarh; Apcer Life Sciences, Delhi; Sarv Biolabs, Panchkula; Pharmacoevidence, Mohali; IQVIA, Bangalore; Punjab Agri Export Corporation Limited, Chandigarh; E-Beta Innovations; State Street Syntel Services Pvt. Ltd, Mumbai; DIT University, Dehradun; Integral Bioscience

Ltd, Noida; Indo Rama Synthetics India Ltd; ARK Health Care Pvt. Ltd; Mahavir Cancer Sansthan, Patna, etc.

Vice Chancellor Prof. Raghavendra P. Tiwari appreciated the efforts of the departments that coordinated the interviews conducted by MNCs and corporate houses. He congratulated the students who got job offers and conveyed best wishes to the graduating students for their bright careers. He asserted that the university is committed to providing holistic education and skill development opportunities for the overall development of our students to turn them into intellectual global citizens who can contribute to the nation's development.

.....

Visit by eminent personalities

September 23, 2021: Punjab's Former Chief Minister Sardar Parkash S. Badal visited Central University of Punjab

Sardar Parkash Singh Badal, the former Chief Minister of Punjab and Padma Vibhushan recipient, paid a visit to the Central University of Punjab, Village Ghudda, District Bathinda, on Thursday to meet with faculty members.



CUPB Vice Chancellor Prof Tiwari felicitating former Punjab' CM Sardar Parkash Singh Badal

On this occasion, Prof. Raghavendra P. Tiwari, the Vice Chancellor, and CUPB officials welcomed Sardar Parkash Singh Badal and briefed him about the growth journey of the university that commenced in the year 2009 and is now ranked at the 84th position in the University Category in NIRF India Rankings 2021. On arriving at the CUPB campus, Sardar Parkash S. Badal expressed satisfaction with the development work of the campus, the foundation stone of which was laid in the year 2015 when he was the Chief Minister of the state.

During his visit, Sardar Parkash S. Badal interacted with the faculty members especially from the Department of Applied Agriculture, and encouraged them to put efforts for the value addition of local fruits and surplus crops of the state through their effective utilization in processed food products to increase the farmer's income. He also shared his farming innovation of utilizing Jamun, Papaya & Guava for developing innovative food processing goods such as Barfi, Jam, and other products.



Former Punjab CM Sardar Parkash Singh Badal interacting with CUPB Officials

While interacting with the Vice Chancellor Prof. Tiwari, the former Chief Minister Sardar Parkash S. Badal stated that CUPB can play a vital role in the welfare of society by inspiring the people of Punjab to pursue higher education at the premier institution of the state and by finding innovative research-based solutions to the social issues of the state. He suggested CUPB officials develop

a platform to associate schools and higher educational institutions in the region and guide them to transform the education system in par with the international standards. Mr. Badal inspired CUPB faculty to conduct activities for community engagement and the development of nearby villages.

Prof. Raghavendra P. Tiwari expressed gratitude towards Sardar Parkash S. Badal and asserted that the university is committed to implement transformational

educational reforms introduced under NEP-2020 in totality to leverage its benefits to all the stakeholders. The Vice Chancellor assured that the university will make all efforts to provide wider educational opportunities to the people of Punjab and other states of the country and develop global intellectual citizens who will contribute to the making of *AtmaNirbhar Bharat*.

.....

MoU Signed / SSR submitted by University

August 16, 2021: Central University of Punjab submitted Self Study Report on NAAC Portal for 2nd Cycle of NAAC accreditation



Vice Chancellor Prof. Tiwari submitting the SSR on NAAC Portal in the presence of CUPB faculty

The Central University of Punjab, under the leadership of Vice Chancellor Prof. Raghavendra P. Tiwari, submitted the Self Study

Report (SSR) on the NAAC Portal for the 2nd Cycle of

NAAC accreditation on August 16, 2021. For data compilation and preparation of the SSR report, seven different committees for different criteria were constituted and various meetings of the committees were held under the chairmanship of the Hon'ble Vice Chancellor to give final shape to the SSR.

On this occasion Prof. Raghavendra P. Tiwari, the Vice Chancellor, appreciated the efforts of Prof. S.K. Bawa, IQAC Director, and the whole team involved in the process of preparation of SSR.

.....

September 17, 2021: Central University of Punjab, Bathinda signs MoU with Central Institute of Indian Languages, Mysore

Under the dynamic leadership of Vice-Chancellor Prof. Raghavendra Prasad Tiwari and with the initiative of the Punjabi Dept., the Central University of Punjab, Bathinda (CUPB) signed a Memorandum of Understanding (MoU) with the Central Institute of Indian Languages (CIIL), Mysore to enhance academic interchange between the two institutions to promote teaching and research. This agreement marks the beginning of an important partnership between these two national institutions in promoting cooperation in the fields of education, innovation, and research on Indian languages.

The Central Institute of Indian Languages (CIIL), Mysore is a premier institution of the Ministry of Education, Government of India (GOI), established to coordinate and work toward the development of Indian languages by assisting the GOI and state governments in language-

related matters and by conducting workshops, seminars, training programs, book and monograph publication, and research.

During the signing ceremony held virtually, Shri Kanwal Pal Singh Mundra, Registrar, CUPB and Dr. Narayan Chaudhary, Assistant Director, CIIL, signed the pact in the gracious presence of Prof. Raghavendra P. Tiwari, CUPB Vice Chancellor, and Prof. Shailendra Mohan, Director, CIIL. Earlier to this, Dr. Tariq Khan, Dr. Narayan Chaudhary, and Dr. Pankaj Dwivedi shared details related to various schemes running at CIIL, such as the National Translation Mission (NTM), Linguistic Data Consortium of Indian Languages (LDC-IL), National Testing Service (NTS) of India, etc.



Group Photograph of CUPB and CIIL Officials during the MoU signing ceremony

In his address, Prof. Raghavendra Prasad Tiwari, Vice Chancellor, CUPB, stated that this would prove to be a landmark agreement between these two organizations in the field of education and research. He said that language is not only a means of communication but also helps us understand the knowledge, folklore, culture, and history of a society. Therefore, preserving and promoting Indian languages is essential for preserving India's rich heritage. He motivated various departments

of the university, like the Punjabi Department, Hindi Department, English Department, Computer Science and Technology Department, and Computational Sciences Department, to work diligently and actualize the vision of this agreement.

Prof. Shailendra Mohan, Director, CIIL, said that CIIL is the nodal agency for linguistic policies and works tirelessly to collect and promote the use of India's various languages and dialects to enhance India's multilingual heritage. This agreement will enable faculty and researchers of both institutes to do significant work in the fields of study and translation of Punjabi and other regional languages and dialects of the region.

On this occasion, Prof. Zameerpal Kaur, Dean, School of Languages, Literature and Culture and Head, Department of Punjabi, said that this MoU is valid for a three-year duration, during which teachers and researchers of both the institutes would be able to draw up joint research work, be a part of joint academic activities, and take advantage of each other's facilities like libraries, language laboratories, seminar halls, etc. At the end of the program, Shri Kanwal Pal Singh Mundra, CUPB Registrar, extended the formal vote of thanks.

.....

Farewell functions organized

August 19, 2021: CUPB IQAC Director Prof. S.K. Bawa honored for her invaluable contribution in the field of Education

The faculty and staff members, under the leadership of Prof. R.P. Tiwari, the Vice Chancellor, honoured Prof. S.K. Bawa, IQAC Director, for her invaluable contribution in the field of education during a special farewell function organized by the university.

Prof. S. K. Bawa joined the Central University of Punjab on April 13, 2015 as Dean and Professor in the Department of Education with the additional charge of Dean of the School of Global Relations and School of Languages, Literature and Culture. She has contributed to the establishment of the Centre for Curriculum Research, Policy and Educational Development at a university under the PMMMNMTT scheme of MHRD in 2018, through which a grant of Rs. 4.07 crores was received. She significantly contributed to establishing the International Students Division at CUPB in 2018 and



Vice Chancellor Prof. RP Tiwari felicitating Prof. SK Bawa

thereafter a good number of admissions from international students. She took charge as the IQAC

Director on April 20th, 2018. Her efforts as Director IQAC resulted in the improvement in CUPB NIRF Ranking (University Category) from 95th rank (2019) to 87th rank (2020) and 84th rank in NIRF ranking 2021. Under her leadership, CUPB School of Education signed an MoU with the University of Worcester, UK to promote academic cooperation in education. She organized various webinars for capacity building, promotion and awareness of NEP-2020 and organized an International Akhand Conference, EDUCON2020, in January 2021, which was inaugurated by the then Hon’ble Minister of

Education, Shri Ramesh Pokhriyal ‘Nishank’. She was actively involved in SSR preparation, which was successfully submitted on the NAAC portal on August 16, 2021. Prof. S. K. Bawa was relieved on August 23, 2021.

In her address, Prof. S.K. Bawa, while expressing her gratitude towards CUPB authorities, thanked the CUPB family for providing support during her service period and for giving a warm farewell.

.....

Azadi Ka Amrit Mahotsav & NSS Activities

August 11, 2021: CUPB fraternity participated in Rashtragaan Abhiyaan “Let us sing the National Anthem’ initiated by Ministry of Culture

As the nation celebrates Azadi ka Amrit Mahotsav, many students, faculty and staff of the Central University of Punjab, Bathinda (CUPB) took part in Rashtragaan Abhiyaan- Let us sing the National Anthem, initiated by the Ministry of Culture and received participation certificates. The Honorable Vice Chancellor Prof. Raghavendra P. Tiwari, along with university staff, graced this auspicious occasion and participated by singing the National Anthem.



Certificate of participation

August 14, 2021: Fit India Freedom Run organized at university campus



Registrar Shri KPS Mundra flagging off the Freedom Run of men and women

The Dept. of Physical Education and the NSS Cell of the university organized a Fit India Freedom Run as a part of the Azadi ka Amrit Mahotsav activity series. Registrar Shri Kanwalpal Singh Mundra flagged off the women's freedom run of 3 KM and the men's freedom run of 5 KM starting from Annapurna Dining Hall. The freedom run concluded at the sports grounds, where the winners were awarded prizes. Students, faculty, and staff of the university participated in this activity.

.....

August 15, 2021: 75th Independence Day commemorated at Central University of Punjab

The Central University of Punjab, Bathinda (CUPB), celebrated the 75th Independence Day of India with patriotic zeal. During this programme, Vice Chancellor Prof. Raghavendra P. Tiwari hoisted the National Flag at the CUPB Campus situated in Village Ghudda, District Bathinda. The Flag Hoisting Ceremony was followed by the Inspection of Parade. On this pious occasion of Azadi ka Amrit Mahotsav, Prof. Tiwari, the Vice Chancellor, gave Independence Day Greetings to all and remembered the freedom fighters and leaders who brought us independence. CUPB officials, faculty, staff, and students attended this programme by strictly following social-distancing norms.



Glimpse of Flag Hoisting Ceremony

.....

August 19, 2021 to September 2, 2021: Series of plantation drive organized under Swachhta Pakhwara 2021



The NSS Cell, in collaboration with the Horticulture Wing of the Central University of Punjab, organized Swachhta Pakhwara-2021 as a part of Azadi ka Amrit Mahotsav. Under this programme, five tree plantation drives were conducted from August 19, 2021, to September 2, 2021, at the university campus.

The NSS Cell, in collaboration with the Horticulture Wing of the Central University of Punjab, organized Swachhta Pakhwara-

Prof. Monisha Dhiman, programme officer, NSS Cell, informed that during the plantation drive activity series, students, faculty and staff of the university roped in saplings of sheesham and teak at the animal house, water centre, and backside area of the university monument.

.....

September 24, 2021: NSS Day 2021 celebrated at Central University of Punjab

Under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari, the NSS Cell of the Central University of Punjab celebrated National Service Scheme Day (NSS Day) on September 24, 2021, with a special programme that featured a Rangoli competition, a singing competition, and an extempore competition on the theme of 'Azadi ka Amrit Mahotsav'.

During this programme, Prof. Monisha Dhiman, Programme Coordinator, NSS Cell, presented a brief report of the activities conducted by the CUPB NSS Cell in the last few years. Then afterwards, Prof. R. K. Wusirika, Dean Incharge Academic, in his opening remarks, emphasized the need to serve society and stated that NSS aims at providing hands-on experience to youngsters in delivering community service.



Glimpses of CUPB NSS Day Celebrations

On this occasion, CUPB students, under the leadership of Prof. Tiwari, took the Swachhta and No Tobacco Pledge. In his presidential address, Prof. Tiwari stressed the need for ecological conservation and the adoption of a lifestyle based on the principles of sustainable development. He stated that CUPB NSS Cell is dedicatedly working for environmental protection and social well-being with regular Tree Plantation Drive, Blood Donation Camps, and social awareness activities. He motivated faculty, students, and NSS volunteers to organize activities that have a larger social impact.

Dr Preeti Khetarpal, Dr Sabyasachi Senapati, Dr Jyoti Parkash, and Dr Milan Sharma overall coordinated the activities. Prof. Tarun Arora administered the Swachhta and the No Tobacco Pledge. Students from different departments of the university enthusiastically participated in different activities and showcased their talent.

.....

हिंदी पखवाड़ा 2021 (Hindi Pakhwara 2021)

14 सितंबर 2021: पंजाब केन्द्रीय विश्वविद्यालय में हिंदी पखवाड़ा-2021 आरंभ

हिंदी दिवस के सुअवसर पर पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा (सीयूपीबी) में राजभाषा कार्यान्वयन समिति एवं हिंदी विभाग के संयुक्त तत्वावधान और कुलपति आचार्य राघवेन्द्र प्रसाद तिवारी के संरक्षण में हिंदी पखवाड़ा 2021 (14–28 सितम्बर 2021) का आयोजन किया गया। इस कार्यक्रम के उद्घाटन समारोह में हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय, धर्मशाला के कुलाधिपति प्रो. (डॉ.) हरमहेन्द्र सिंह बेदी मुख्य अतिथि एवं मुख्य वक्ता के रूप में सम्मिलित हुए और उन्होंने 'पंजाब की हिंदी साहित्य को देन' विषय पर विशेष व्याख्यान प्रस्तुत किया।

अपने संबोधन में प्रो. हरमहेन्द्र सिंह बेदी ने कहा कि विश्व का प्राचीन और महत्वपूर्ण ग्रंथ 'ऋग्वेद' पंजाब की पवित्र भूमि पर लिखा गया। उन्होंने उल्लेख किया कि हिंदी भाषा



हरमहेन्द्र सिंह बेदी प्रतिभागियों को संबोधित करते हुए

का 1000 वर्षों से अधिक का इतिहास है और हिंदी भाषा के पहले महाकाव्य 'पृथ्वीराज रासो' की रचना करने वाले प्रथम हिंदी कवि श्री चंदबरदाई लाहौर (अविभाजित पंजाब का जिला) से संबंधित थे। उन्होंने प्रो. हजारी प्रसाद

द्विवेदी की पुस्तक 'नाथ संप्रदाय' का संदर्भ देते हुए कहा कि नाथ संप्रदाय के अधिकांश कवियों का संबंध पंजाब की भूमि से रहा है। उन्होंने रेखांकित किया कि सिख धर्म का पवित्र ग्रंथ 'श्री गुरु ग्रंथ साहिब जी' हिंदी साहित्य का आधार ग्रंथ है और भारतीय भाषा परंपराओं का संरक्षक है, क्योंकि इसमें सिख गुरुओं की बाणी के साथ-साथ हिंदी और संस्कृत भाषा के प्रसिद्ध कवियों के पद भी शामिल हैं। अपने व्याख्यान के दौरान प्रो. बेदी ने सिख धर्म के दसवें गुरु श्री गुरु गोबिंद सिंह जी द्वारा स्थापित 'विद्या दरबार' के 52 कवियों के हिंदी साहित्य के प्रति योगदान के विषय में उल्लेख किया। उन्होंने पंजाब के समाज सुधारकों, स्वतंत्रता सेनानियों और लेखकों जैसे कि पंडित श्रद्धाराम फिल्लौरी, सरदार पूर्ण सिंह, भगत सिंह, अमृता प्रीतम, उपेन्द्रनाथ शर्मा 'अशक' आदि द्वारा हिंदी भाषा और साहित्य को बढ़ावा देने हेतु दिए योगदान पर भी चर्चा की।

इस कार्यक्रम के अंतर्गत कुलपति प्रो. राघवेन्द्र प्रसाद तिवारी ने प्रो. हरमहेन्द्र सिंह बेदी द्वारा लिखित और प्रो. रामसजन पाण्डेय द्वारा संपादित 'हरमहेन्द्र सिंह बेदी रचनावली' शीर्षक की पंच-खंड पुस्तक का लोकार्पण किया। अपने अध्यक्षीय उद्बोधन में प्रो. राघवेन्द्र प्रसाद तिवारी ने कहा कि हिंदी भाषा भारत के विभिन्न राज्यों के लोगों को जोड़ने के लिए एक संपर्क भाषा के रूप में कार्य करती

हैं। उन्होंने कहा कि इसके प्रचार के लिए किए गए निरंतर प्रयासों ने हिंदी भाषा को अंग्रेजी और मंदारिन (चीनी) के बाद दुनिया की सबसे अधिक बोली जाने वाली भाषाओं में से एक बना दिया है। उन्होंने कहा कि पंजाब की संस्कृति मानवता का उत्थान करने वाली संस्कृति है और श्री गुरु ग्रंथ साहिब उसका प्रमाण है। उन्होंने इस बात पर बल दिया कि राष्ट्रीय शिक्षा नीति -2020 के परिवर्तनकारी सुधारों के अनुरूप सीयूपीबी अपने छात्रों को उनकी मातृभाषा में सीखने के व्यापक अवसर प्रदान करने

के लिए प्रतिबद्ध है और हमारी राष्ट्रीय भाषा को बढ़ावा देने के लिए कार्यरत है।

कार्यक्रम की शुरुआत में प्रो. एच.एस. पन्नू ने औपचारिक अभिनंदन किया, वहीं अंत में कुलसचिव श्री कंवल पाल सिंह मुंदरा ने धन्यवाद ज्ञापन दिया। कार्यक्रम का संचालन सीयूपीबी हिंदी विभाग के शिक्षकों डॉ राजिंदर सेन (विभागाध्यक्ष), डॉ कुलभूषण शर्मा और डॉ दीपक कुमार पाण्डेय द्वारा किया गया।

.....

14–28 सितंबर 2021: हिंदी पखवाड़ा-2021 के अंतर्गत आयोजित हिंदी साहित्य और राजभाषा से संबंधित व्याख्यान श्रृंखला में देश के प्रख्यात शिक्षाविदों, संपादकों एवं लेखकों ने विचार साझा किए

पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा (सीयूपीबी) में राजभाषा कार्यान्वयन समिति एवं हिंदी विभाग के संयुक्त तत्वावधान में तथा कुलपति आचार्य राघवेंद्र प्रसाद तिवारी के संरक्षण में 14–28 सितंबर 2021 तक 'हिंदी पखवाड़ा 2021' कार्यक्रम आयोजित किया गया। इस आयोजन में प्रख्यात शिक्षाविदों, संपादकों एवं लेखकों ने हिंदी भाषा से संबंधित अपने विचार साझा किए। साथ ही कार्यक्रम में हिंदी भाषा, साहित्य, संस्कृति की समृद्ध विरासत को बढ़ावा देने और राष्ट्रीय एकता में इसके महत्व के बारे में युवाओं को जागरूक करने हेतु विभिन्न प्रतियोगिताएं भी आयोजित की गईं जिनमें विश्वविद्यालय के छात्रों और कर्मचारियों के अतिरिक्त देश विदेश से युवा सदस्यों ने भी भाग लिया।

14 सितंबर को आयोजित उद्घाटन समारोह में हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय, धर्मशाला के कुलाधिपति आचार्य हरमहेंद्र सिंह बेदी ने मुख्य अतिथि के रूप में 'पंजाब की हिंदी साहित्य को देना' विषय पर विशेष व्याख्यान दिया।

उद्घाटन समारोह के उपरांत हिंदी पखवाड़ा-2021 के अंतर्गत चार विशिष्ट व्याख्यान आयोजित किए गए जिनमें दिल्ली विश्वविद्यालय, दिल्ली के आचार्य पूरनचंद टंडन, हरियाणा साहित्य अकादमी के निदेशक डॉ. चन्द्र त्रिखा, दैनिक ट्रिब्यून के संपादक श्री राजकुमार सिंह, और महात्मा गांधी अंतर्राष्ट्रीय हिंदी विश्वविद्यालय, वर्धा के पूर्व कुलपति आचार्य गिरीश्वर मिश्र ने क्रमशः हिंदी के

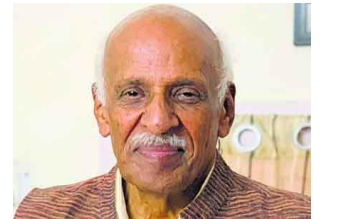
संवैधानिक प्रावधान, स्वतंत्रता के 75वें वर्ष में राजभाषा हिंदी की स्थिति, संपर्क भाषा के रूप में हिंदी तथा लोकभाषा हिंदी: अतीत और वर्तमान विषयों पर अपने विचार साझा किए।



प्रो. पूरन चंद टंडन

प्रथम व्याख्यान प्रो. पूरनचंद टंडन द्वारा 'हिंदी के संवैधानिक प्रावधान' पर दिया गया जिसमें उन्होंने खड़ी बोली हिन्दी के विकास में भारतेंदु हरिश्चन्द्र और आचार्य महावीर प्रसाद द्विवेदी की अहम भूमिका पर बात करते हुए, हिंदी के राजभाषा बनने तक के सफर को रेखांकित किया।

द्वितीय व्याख्यान में डॉ. चन्द्र त्रिखा ने 'स्वतंत्रता के 75वें वर्ष में राजभाषा हिंदी की स्थिति' विषय पर प्रकाश डाला। अपने व्याख्यान में उन्होंने विगत 75 वर्षों में राज



डॉ. चन्द्र त्रिखा

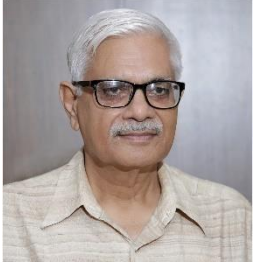
भाषा के रूप में हिंदी की यात्रा के विविध पड़ावों पर चर्चा की। उन्होंने बताया कि हिंदी अपने वर्तमान में राजभाषा के रूप में सशक्त स्थिति में है। विगत 75 वर्षों की उपलब्धियों को रेखांकित करते हुए उन्होंने हिंदी की समृद्ध शब्दावली और अनुप्रयोग को उजागर किया।

तृतीय व्याख्यान के दौरान, श्री राज कुमार सिंह ने 'संपर्क भाषा के रूप में हिंदी' विषय पर अपने विचार साझा किए।



श्री राज कुमार सिंह

अपने व्याख्यान में उन्होंने संपर्क भाषा के विविध आयामों से हिंदी को परखते हुए देश की सबसे बड़ी संपर्क भाषा के रूप में हिंदी की विशेषताओं को उजागर किया। श्री राज कुमार सिंह ने बताया कि हिंदी भारत की संपर्क भाषा तो है ही, साथ ही यह आज विश्व के अनेक देशों में संपर्क भाषा की भूमिका निभाने हेतु प्रस्तुत भी है।



प्रो. गिरीश्वर मिश्र

चतुर्थ व्याख्यान में प्रो. गिरीश्वर मिश्र ने 'लोकभाषा हिंदी: अतीत और वर्तमान' विषय पर अपने विचार प्रस्तुत करते हुए बताया कि स्वतंत्रता संग्राम के दौरान महात्मा गाँधी ने देश के विभिन्न राज्यों के लोगों के साथ संवाद और लोक संपर्क के लिए हिंदी भाषा का उपयोग किया। लोक भाषा के रूप में हिंदी की गौरवशाली परंपरा का विवरण देते हुए राजभाषा के रूप में हिंदी के समक्ष आने वाली चुनौतियों पर भी चिंता प्रकट की। हिंदी की तकनीकी शब्दावली तथा सोशल मीडिया पर हिंदी के बढ़ते प्रयोग और प्रभाव से संबंधित तथ्यों को भी उजागर किया।

28 सितंबर को आयोजित समापन समारोह में अखिल भारतीय आयुर्विज्ञान संस्थान, बठिंडा के निदेशक आचार्य दिनेश कुमार सिंह मुख्य अतिथि के रूप में, और हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय, धर्मशाला के कुलाधिपति आचार्य हरमहेंद्र सिंह बेदी मुख्य वक्ता के रूप में सम्मिलित हुए।

अपने संबोधन में मुख्य अतिथि आचार्य दिनेश कुमार सिंह ने कहा कि हिंदी भाषा देश को एकता के सूत्र में पिरोने वाली भाषा है और हम सभी को हिंदी भाषा को अधिक से अधिक प्रोत्साहित

एवं प्रसारित करना चाहिए। उन्होंने सभी को एक दूसरे की क्षेत्रीय भाषाओं का सम्मान करते हुए अधिक भाषाएँ



आचार्य दिनेश कुमार सिंह

सीखने के लिए प्रेरित किया और कहा कि अधिक भाषाओं का ज्ञान मस्तिष्क को अधिक विकसित करता है।



आचार्य हरमहेंद्र सिंह बेदी

मुख्य वक्ता के रूप में संबोधित करते हुए आचार्य हरमहेंद्र सिंह बेदी ने श्री गुरु ग्रंथ साहिब में भाषाई एकता के सूत्र विषय पर अपने विचार रखते हुए कहा कि विभिन्न भाषाओं का एक दूसरे से जुड़ाव है और भारत में एक से अधिक भाषा सीखने की परंपरा भी रही है, जिसका प्रमाण श्री गुरु ग्रंथ साहिब जी में निहित विविध भाषाओं के विद्वानों की रचनाओं का संकलन है।

हिंदी पखवाड़ा के संरक्षक कुलपति आचार्य राघवेंद्र प्रसाद तिवारी ने अपने उद्बोधन में कहा कि हिंदी केवल राजभाषा ही नहीं अपितु भारत के गौरवशाली इतिहास एवं संस्कृति की वाहक भी है। हिंदी भारतीय भाषाओं की प्रतिस्पर्धा में नहीं अपितु सहयोगी भाषा है। हिंदी और भारतीय भाषाओं का विकास तभी संभव है जब समाज इन भाषाओं के महत्व को समझते हुए इन्हें आत्मसात करेगा।

समापन समारोह के दौरान सभी प्रतियोगिताओं के विजेताओं को पुरस्कृत तथा सम्मानित किया गया। अंतरराष्ट्रीय हिंदी भाषा, साहित्य, संस्कृति और पत्रकारिता प्रश्नोत्तरी प्रतियोगिता; हिंदी अनुवाद प्रतियोगिता, हिंदी टंकण प्रतियोगिता; हिंदी निबंध लेखन प्रतियोगिता; कविता लेखन प्रतियोगिता; तथा हिंदी मुहावरों, लोकोक्तियों एवं चौपाइयों की अंत्याक्षरी प्रतियोगिता में क्रमशः सचिन शुक्ल, डॉ. विनोद आर्य, ऋषिकेश शर्मा, ऋतु शर्मा, रविंदर सिंह और रुपिंदर कौर ने प्रथम स्थान अर्जित किया।

समापन समारोह में अधिष्ठाता विद्यापीठ एवं परीक्षा नियंत्रक आचार्य जमीरपाल कौर ने हिंदी पखवाड़ा 2021 का सफल क्रियान्वयन करने के लिए हिंदी विभागाध्यक्ष डॉ. राजेंद्र कुमार सेन, डॉ. कुलभूषण शर्मा, डॉ. दीपक कुमार पाण्डेय तथा हिंदी अधिकारी रुपिंदर शर्मा की सराहना की। अंत में कुलसचिव श्री कंवल पाल सिंह मुंदरा ने धन्यवाद ज्ञापन दिया।

.....

14–28 सितंबर 2021: हिंदी पखवाड़ा-2021 के अंतर्गत आयोजित विभिन्न प्रतियोगिताएँ और विजेताओं के नाम

अंतरराष्ट्रीय हिंदी भाषा, साहित्य, संस्कृति और पत्रकारिता प्रश्नोत्तरी प्रतियोगिता दिनांक: 15.09.2021

| पुरस्कार | नाम |
|----------|-----------------------|
| प्रथम | सचिन शुक्ल, शोधार्थी |
| द्वितीय | चंचल, शोधार्थी |
| तृतीय | इंद्रा सिंह, शोधार्थी |

कुल प्रतिभागी: 820

हिंदी अनुवाद प्रतियोगिता दिनांक: 16.09.2021

| पुरस्कार | नाम |
|----------|---|
| प्रथम | डॉ. विनोद आर्य, सहायक आचार्य |
| द्वितीय | श्री सदानंद कुमार चौधरी, व्यावसायिक सहायक |
| तृतीय | श्री पुनीत सिंह, कनिष्ठ अभियंता |

कुल प्रतिभागी: 10

हिंदी टंकण प्रतियोगिता दिनांक: 17.09.2021

| पुरस्कार | नाम |
|----------|---------------------------------|
| प्रथम | ऋषिकेश शर्मा (अवर श्रेणी लिपिक) |
| द्वितीय | दीपक (सहायक) |
| तृतीय | हरविंदर सिंह (सहायक) |

कुल प्रतिभागी: 21

हिंदी निबंध-लेखन प्रतियोगिता दिनांक: 21.09.2021

| पुरस्कार | नाम |
|----------|---------------------------------|
| प्रथम | ऋतु शर्मा (शोधार्थी) |
| द्वितीय | यशी श्रीवास्तव (सहायक आचार्य) |
| तृतीय | ऋषिकेश शर्मा (अवर श्रेणी लिपिक) |

कुल प्रतिभागी: 12

कविता-लेखन प्रतियोगिता दिनांक: 22.09.2021

| पुरस्कार | नाम |
|----------|------------------------------------|
| प्रथम | रविंदर सिंह, अर्ध-व्यावसायिक सहायक |
| द्वितीय | जयप्रिया मिश्रा (शोधार्थी) |
| तृतीय | संदीप कुमार, सहायक |

कुल प्रतिभागी: 13

हिंदी मुहावरों, लोकोक्तियों व चौपाइयों की अंत्याक्षरी प्रतियोगिता दिनांक: 24.09.2021

| पुरस्कार | नाम |
|----------|--|
| प्रथम | रुपिंदर कौर (डाटा एंटी ऑपरेटर), अमृत तिवारी (शोधार्थी), मयंक भारद्वाज (विद्यार्थी) |
| द्वितीय | मुकेश कुमार (विद्यार्थी), मनप्रीत कौर (शोधार्थी), देवयानी चक्रबर्ती |
| तृतीय | सौरभ तिवारी (शोधार्थी), शालिनी तिवारी (विद्यार्थी), पारुल (विद्यार्थी) |

कुल प्रतिभागी: 21 (7 टीम)

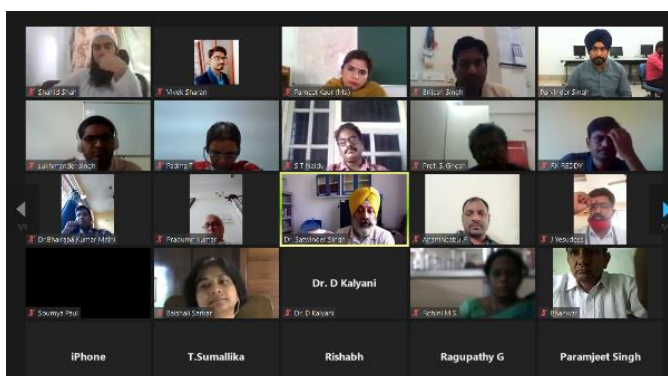
Faculty Development Workshop Organized

23–27 August, 2021: Five-day AICTE-ATAL Faculty Development Workshop on “Quantum Information Processing and Applications” organized at Central University of Punjab

Under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari, the Dept. of Computer Science and Technology of the Central University of Punjab, Bathinda (CUPB) organized a five-day AICTE-ATAL sponsored Faculty Development Workshop on "Quantum Information Processing and Applications" from August 23–27, 2021. The main objective of this workshop is to provide a forum for participants to exchange ideas on the state of art research and development in the field of quantum information processing. A total of 66 faculty/research scholars, students, and industry experts from different states across India have participated in this workshop.

quantum circuits, and practical training on the Qiskit tool etc.

The participants of this five-day workshop got an opportunity to interact with eminent academicians from IIT, IISER and Central Universities. The invited speakers of this FDP are Prof. Ramandeep Singh Johal, IISER Mohali; Prof. Atul Kumar, IIT Jodhpur; Prof. Archun S. Majunder, S.N. Bose National Centre for Basic Sciences, Kolkata; Prof. Atul Kumar, IIT Jodhpur, Prof. Satyabbara Adhikari, DTU Delhi; Prof. Anirban Pathak, Jaypee Institute of Information Technology, Noida; Prof. Indranil Chakrabarty, IIT Hyderabad; Prof. Hargeet Kaur, Adani Institute of Infrastructure Engineering; Dr. Mandeep Kaur, NRHM, Sri Ganganagar; Prof. Bibhas Adhikari, IIT Kharagpur; Prof. Navneet Sharma, Thapar Institute of Engineering & Technology Patiala; Er. Jyoti Faujdar, IIT Jodhpur; Mr. Cathic-Kameshwaran, Industry Expert, Er. Diksha, IIT Jodhpur, and Dr. Surinder Singh Khurana, Central University of Punjab.



Screenshot of the Workshop

The inaugural session of this workshop commenced with the welcome address by Prof. Amandeep Kaur, Dean, School of Engineering and Technology, wherein she stated that quantum computing has emerged as an interdisciplinary research area at the interface of diverse academic disciplines such as computer science, technology, mathematics, and physics. She went on to say that this workshop will improve participants' understanding of this new emerging discipline and equip them with the knowledge needed to conduct research and to generate new knowledge in this domain.

During this FDP program, a total of 15 sessions were held on various sub themes such as fundamentals of quantum mechanics, quantum computing, linear algebra and hilbert space, entanglement, nonlocality, quantum cryptography, quantum information processing applications, quantum games and algorithms, quantum machine learning, realization of



Organizers of the Workshop addressing the participants

During the valedictory session, Dr. Parvinder Singh, the programme coordinator, presented the programme report. Prof. Anjana Munshi, Dean Research mentioned that the deliberations made during this programme on different sub themes of the workshop would encourage the participants to conduct research on the new emerging field of quantum information processing and applications. Dr. Satwinder Singh, HoD, Department of Computer Science and Technology, expressed his gratitude towards AICTE and CUPB authorities for providing infrastructure, financial, and administrative support to successfully organize this workshop.

.....

Webinars / Invited Lectures

August 5, 2021: Central University of Punjab organized a special lecture by Prof. P. Balaram on 'Chemistry and Biology in the Age of Coronavirus'

Under the patronage of the Vice Chancellor, Prof. Raghavendra P. Tiwari, the Office of the Dean Research at the Central University of Punjab, Bathinda organized a special lecture on the topic 'Chemistry and Biology in the Age of Coronavirus'. The esteemed guest speaker of the programme was Prof. P. Balaram, eminent biochemist and former Director of the Indian Institute of Science, Bengaluru.

The programme commenced with a welcome address by Prof. Anjana Munshi, Dean Research. While introducing the distinguished guest speaker, she stated that the university feels privileged to host a special lecture by a renowned scientist like Prof. Balaram, who is the recipient of awards such as the Padma Bhushan, the TWAS prize, and the 2021 R. Bruce Merrifield Award by the American Peptide Society.



Screenshot of the programme

Prof. Balaram's lecture was awe-inspiring for the audience who had joined in from across the length and breadth of the country. During the talk, Prof. Balaram reiterated that the burden of the coronavirus is enormous, and has caused many deaths across the world. He asserted a quote by Canadian physician Sir William Osler, which said, "soap and water and common sense are the best disinfectants." He shared that the second wave in India was a narrow but intense phase, compared to the first wave, which was broad but less intense. This is because the virus mutated between the first wave and the second.

This was followed by an interesting story that left the audience mesmerized. Prof. P. Balaram spoke about how he set himself to find the discoverer of the

coronavirus and looked for the history of its evolution during lockdown last year. His in-depth research had led him to find Dr. Dorothy Hamre, a virologist and infectious disease researcher, as the first person to find and isolate a strain of the coronavirus. He



Prof. P. Balaram

read in the National Geographic that the first electron micrograph of the coronavirus was taken by Almeida and Tyrrell. The first picture of the coronavirus emerged in this paper in 1967, but on digging deeper, he found an acknowledgment stating that the virus was first discovered by Dorothy Hamre in 1966, a year prior to that. But over the years, her name disappeared from the research literature, which left Prof. Balaram puzzled. He kept his search on and found that she had a productive scientific career of 30 years, and yet retired as a research associate, which was a common phenomenon for women scientists in the west and across the world during that era.

Prof. Balaram emphasized that the research outcomes of the common cold vaccine to treat rhinovirus in the post-second world war era have paved the way for scientists to develop a vaccine for modern coronavirus. He also shared the story of Carlo Urbani, an Italian physician and microbiologist, who first identified SARS Cov-1 in 2003 and his early warnings to WHO that resulted in its easy containment, thereby saving numerous lives.

Following this, Prof. Balaram deliberated on the relationship between chemistry and biology in the natural ecosystem. He said that chemistry is everywhere in our surroundings and it forms the basis of language for biological sciences as well as material sciences. He stated that mean particle diameter estimates of SARS coronavirus as per modern electron microscopic technique are 82-94 nm, which is similar to the estimates in June D. Almeida's paper.

Towards the end, Prof. Balaram left the audience with a thought about the ongoing, popular, and controversial debate about whether the coronavirus is a natural evolution or a laboratory creation. He said he spent a large chunk of his time during the pandemic reading in front of a computer. He left the audience with a wonderful quotation by John Le Carre, which goes, "Survival is an infinite capacity for suspicion." The audience found the talk extremely interesting and insightful.

In the presidential address, Prof. Raghavendra P. Tiwari, the Vice-Chancellor, stated that human civilization evolved with the chemistry of five elements of nature, i.e., Earth, water, fire, air, and space. He expressed his gratitude towards the esteemed guest speaker for enhancing the understanding of the audience on the

entangled concepts of Chemistry and Biology in the era of coronavirus, and inspiring young scientists to take science to a higher pedestal for the welfare of human civilization. Towards the end, Prof. R.K. Wusirika, Dean Incharge Academics, gave the formal vote of thanks.

In this programme, Prof. K.R.S. Sambasiva Rao, Vice-Chancellor, Mizoram University, Prof. (Dr.) Gauri Dutt Sharma, Vice-Chancellor, University of Science & Technology, Meghalaya, and Prof. S.A. Kori, Vice-Chancellor, Central University of Andhra Pradesh graced the occasion as special guests. The programme was virtually attended by faculty and students from other educational institutions along with the faculty and students from the Central University of Punjab.

.....

August 6, 2021: CUPB organized lecture cum open session meet on "Innovators and Entrepreneurs: Growing Beyond Boundaries"

The Central University of Punjab, Bathinda (CUPB), under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari, organized a Lectures and Open Session Meet, centred on the theme "Innovators and Entrepreneurs: Growing Beyond Boundaries".



Dr. Hemant R. Kushwaha

The event consisted of two sessions. The first session was chaired by Prof. Anjana Munshi, Dean Research and Coordinator, Incubation and Pre-Incubation Cell, CUPB. In this session, Dr. Hemant Rituraj Kushwaha, Additional Director, Atal

Innovation Centre and Coordinator, Innovation and Incubation, Jawaharlal Nehru University, deliberated on the significance and need of "The Innovative Mind" in individual or organizational entrepreneurship ventures. He emphasized the importance of inculcating a culture of free-thinking, scientific temperament, and mindfulness among students to promote creativity, ideation, and innovation at schools, colleges, and universities. He elaborated on different aspects of innovation, from ground zero to in-house jugaads, to shape up an innovative product capable of fulfilling customer needs.



Mr. Nitish Vikram Shahi

The second session on the sub-theme "Entrepreneur in the Making" was chaired by the environmental scientist, Prof. Vinod Kumar Garg. During this session, a young entrepreneur, Mr. Nitish Vikram Shahi, Founder and Director, Vikram Group of Agro Bios, Biofuels, and

Organic Homez, shared his journey in the arena of startups, entrepreneurship, and industrial consultancies and talked about the uncertainties, challenges, and success he experienced. Both the lectures were followed by open sessions involving the audience as a way to induce curiosity and motivation among the young students and faculty.

The event was coordinated by the Department of Biochemistry, in association with the Incubation and Pre-incubation Cell, Research Park Cell, the Institution's Innovation Council, and the New Gen Innovation and Entrepreneurship Development Cell, CUPB. Faculty, research scholars, and students from different departments of the university attended this programme.

.....

August 11, 2021: CUPB organized a special lecture on 'Effective Implementation of NEP-2020'

The Central University of Punjab, Bathinda (CUPB), under the patronage of Vice Chancellor Prof.

Raghavendra P. Tiwari, organized a special lecture on "Effective implementation of the National Education

Policy-2020". The keynote speaker for this programme was Sri Shankarananda BR, Joint Organising Secretary, Bharatiya Shikshan Mandal (BSM), New Delhi.



Keynote Speaker Shri Shankarananda addressing the participants

In his keynote address, Shri Shankarananda BR highlighted the role of BSM in assessing the response of the country's academicians to the draft NEP-2020 and suggesting transformative educational reforms to the committee constituted to draft NEP-2020. He asserted that the effective implementation of NEP-2020 will surely pave the way to make India a 'Knowledge VishwaGuru' and mentioned that the Central University of Punjab could play an important role in inspiring other educational institutions by becoming a role model university in India with proper implementation of all reforms of NEP-2020.

While interacting with participants, Shri Shankarananda underlined the key areas for effective implementation of NEP-2020 that includes the development of

multidisciplinary educational environment; formulation of course curriculum on the basis of learning outcomes; introduction of add-on courses to develop additional skills and inculcate moral values; awareness of Indian Knowledge Traditions; and adoption of student-centric teaching pedagogies based on experiential learning. He motivated teachers to train students on the methodology of how to learn new knowledge and assist them to become physically strong, mentally strong, spiritually rooted, intellectually creative and socially productive citizens of our country.

In his presidential address, Prof. Raghavendra P. Tiwari, the Vice Chancellor, expressed his gratitude towards the distinguished speaker. He exhorted that various innovative reforms introduced in NEP-2020 w.r.t. the introduction of the four quadrant learning approach, optimum utilization of ICT in education, etc., would not only help the students to adopt a self-directed learning approach but would also contribute to developing humans of high moral standards. He stated that as a part of the implementation of NEP-2020, the Central University of Punjab has already adopted a learning outcome-based curriculum approach in teaching. Prof. Tiwari also informed us that the university will very shortly launch the Academic Bank of Credits Scheme along with several add-on courses to promote interdisciplinary education. Officials, faculty, and staff of the University participated in this programme.

.....

August 25 2021: Central University of Punjab celebrated Entrepreneurship Day

To motivate young students to become successful entrepreneurs, the Institutions Innovation Council (IIC) of the Central University of Punjab, under the patronage of the Vice Chancellor Prof. Raghavendra P. Tiwari, organized a special lecture series on Entrepreneurship Day. The programme was conducted by the institution's Innovation Council in association with the Dept. of Computer Science and Technology and the Alumni Association, CUPB. The invited speakers for this programme were Mr. Krishan Mohan Patel, CUPB Alumni and Founder of Arishna IoT Solutions Pvt. Ltd. and Mr. Jyotiraditya Tripathi, CUPB Alumni and Founder of e-Bata Innovations LLP.

The programme commenced with the welcome address by Dr. Preeti Khetarpal, This was followed by an address by Prof. Monisha Dhiman, President of IIC, where she mentioned that the objective of this programme is to

make participants aware of the requirements of a startup and turn them into entrepreneurs. Dr. Satwinder Singh stated that both the invited speakers are proud alumni of the Dept. of CST, CUPB and are providing innovative and new-age solutions.

In the first session, Mr. Krishna Mohan Patel delivered an invited talk on 'how to plan a start-up and guidelines for being an effective and professional engineer'. He discussed various funding options, including venture capital, angel investment, crowdfunding, etc., that are available for a startup enterprise and shed light on the Startup India Scheme of the Government of India. He



Mr. Krishna Mohan Patel

talked about four key pillars necessary for a successful startup company, i.e., product, marketing, funds, and service.

In the second session, Mr. Jyotiraditya Tripathi spoke on "Startups in the IT Industry". He shared his experience of challenges faced during the initial stages of his startup. He emphasized that young entrepreneurs should have an innovative business idea capable of delivering customer



Mr. Jyotiraditya Tripathi

value and a well-planned business model before the commencement of a startup company. He encouraged youngsters to pursue their startup ventures with a trusted partner who could work together in the competitive business environment and ensure success for their enterprise.

The presidential address was delivered by Prof. R.K. Wusirika. Towards the end, Dr. Sandeep Singh gave a formal vote of thanks. Students from different departments of the university attended this programme virtually.

.....

August 27, 2021: CUPB organized a special lecture on “Nuclear Energy Scenario in India: It’s Relevance in Sustainable Development”

The Department of Geology, School of Environment and Earth Sciences at the Central University of Punjab, Bathinda (CUPB), under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari, organized a special lecture on "Nuclear Energy Scenario in India: Its Relevance in Sustainable Development". The distinguished resource person for the event was the former Director, Atomic Minerals Directorate for Exploration and Research, Dept. of Atomic Energy, Shri Pratap Singh Parihar.

In the special lecture, Shri Pratap S. Parihar talked about the energy requirements of India and shared his views on the present status. He elaborated on the present facilities of India to generate electricity like hydro, hydrothermal, solar, wind, nuclear and other renewable energy sources. Energy security, electricity consumption, future energy requirements in India and their comparison on environmental impacts with different facilities were part of his talk. For students, he explained the mechanism of nuclear reactor operation, the operational nuclear reactors located in various parts of the country, and ongoing or future projects. He emphasised the need for the development of nuclear fuel resources in India and the maximum utilization of thorium reservoirs as nuclear fuel for generating



Shri Pratap S Parihar addressing the participants

electricity. He enlightened students by presenting a list of applications of nuclear energy with reference to radiopharmaceuticals, radiation sterilization for food preservation and storage, hydrology, agriculture, and industrial uses.

The programme started with a welcome address by Prof. V. K. Garg, DSW. Dr. Sunil Mittal, Dean School of Environment and Earth Sciences, and concluded with the vote of thanks by Dr. Jitendra Kumar Pattanaik, Head, Dept. of Geology,. Faculty, research scholars, and students from CUPB and other educational institutions attended the programme.

.....

September 3, 2021: Central University of Punjab organized a Webinar on Development of Pearl Millet Value Chain for Processing and Product Development in Arid Region

Under the patronage of Prof. Raghavendra P. Tiwari, the Department of Applied Agriculture, Central University of Punjab, Bathinda, organized a webinar on 'Development

of Pearl Millet Value Chain for Processing and Product Development in the Arid Region'. The invited speaker for this programme was Dr. Soma Srivastava, Senior

Scientist (FSN), Central Arid Zone Research Institute (CAZRI)-ICAR, Jodhpur (Rajasthan).



Dr. Soma Srivastava

In her address, Dr. Soma Srivastava talked about the composition, consumption pattern, production, and nutritional benefits of pearl millet. She shared information regarding pearl millet processing and new product development (flakes, biscuits, chocolate, extruded products, pasta, puffs) already developed

by CAZRI with the participants. She also discussed

innovative approaches to overcome the rancidity of pearl millet with newer methods of processing.

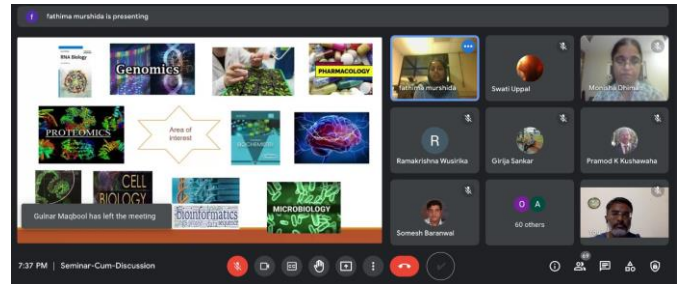
At the start of the programme, Dr. Yashi Srivastava, the Programme Coordinator, introduced the programme theme. This was followed by the welcome address and introduction to the keynote speaker by Prof. Anjana Munshi, HoD (Department of Applied Agriculture) and Dean Research, CUPB. The programme concluded with a formal vote of thanks by Dr. Surjeet Singh Dhaka. Faculty, scholars, and students from different departments of the university as well as other educational institutions attended this programme.

.....

September 11, 2021: Dept. of Microbiology organized a seminar cum discussion programme on alternate career paths

The Department of Microbiology organized a seminar-cum-discussion on alternative career paths for the benefit of students on September 11, 2021. The objective of the seminar was to give students a chance to explore career options beyond academia. The first speaker was Ms. Swati Uppal, Developmental Editor, Wiley Publishing Company, who briefed us about the various career options after an MSc degree. Ms. Uppal shared that the students with creative writing skills can opt for academic writing as a career in publishing companies.

The second speaker, Ms. Fathima Murshida, PhD student, Department of Biochemistry, University of Bristol, shared her experiences as a project fellow and her journey to get PhD admission at the prestigious University of Bristol. She explained the application process for PhD admission, timelines, and various national and international funding opportunities for PhD scholars.



Screenshot of the programme

The event started with the welcome address by Prof. R.K. Wusirika, Dean Incharge Academics, followed by the introduction of the speakers by Prof. Monisha Dhiman, HoD, Dept. of Microbiology, and Dr. Nasir Salam. Dr. Pramod Kushwaha proposed the formal vote of thanks.

.....

September 15, 2021: CUPB Dept. of Mass Communication and Media Studies organized a special lecture on 'Role and Responsibility of Public Broadcaster in the contemporary media scenario'.

To commemorate Doordarshan's 62nd foundation day, the Department of Mass Communication and Media Studies at the Central University of Punjab organized a special lecture on the 'Role and Responsibility of Public Broadcasters in the Contemporary Media Scenario'. The keynote speaker for this programme was Shri Ashok Srivastava, Senior Consulting Editor, Writer, and Analyst.

The programme commenced with a welcome address by Dr. Chhavi Garg, HoD-Incharge, Dept. of Mass Communication and Media Studies. While introducing the keynote speaker, Dr. Rubal Kanozia mentioned that Mr. Shrivastava is working for Doordarshan and is presently among the senior-most news- anchors and presenters on DD News. His daily prime time show, 'Do Took' is very popular among viewers. He received the

best reporter for Doordarshan award in 2003. In 2005 and 2006, he won the best anchor award.



Shri Ashok Srivastava addressing the participants

In his keynote address, Shri Ashok Shrivastava stated that 'Public Broadcasters are the soul of India'. He informed us that before the introduction of private TV channels in the 1990s, DD was the only source of information and entertainment for citizens. He

highlighted that even after the introduction of private channels, Doordarshan with the network of satellite channels is playing a vital role in disseminating information about sanskritik virasat of India, preserving the culture and making documentaries of Indian freedom fighters and leaders, and promoting our regional languages and folklore. He also put light on the Doordarshan's special efforts to eliminate vaccine hesitancy during COVID-19.

Dr. Paramveer Singh expressed his gratitude towards the keynote speaker. He asserted that DD is playing the role of an elder member of the house in the media industry with authenticated news in times when the private channels are presenting sensational content. Towards the end, he gave a formal vote of thanks.

.....

September 15, 2021: Medical and Health Experts shared their views during PCOS Awareness Programmes conducted at Central University of Punjab

The Department of Human Genetics and Molecular Medicine in collaboration with the National Service Scheme (NSS) of the Central University of Punjab under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari organized Polycystic Ovarian Syndrome (PCOS) Awareness Programme in blended mode during which medical and health experts such as Dr. Lajya Devi Goyal from AIIMS, Bathinda, Ms. Sonia Gandhi (Dietician) from Fortis Hospital, Mohali, and Dr. Balpreet Kaur from AIIMS, Bathinda shared their views on PCOS.

Dr. Lajya Devi Goyal, Professor and Head, Department of Obstetrics and Gynaecology, AIIMS Bathinda, discussed the symptoms, diagnostic options, and treatment protocol related to PCOS disease. She told the participants that PCOS is a lifelong condition and may lead to many other complications like insulin resistance, diabetes, obesity, and cardiovascular diseases. Thus, the condition must be diagnosed timely and managed accordingly.

Dietician Mrs. Sonia Gandhi, Fortis Hospital, Mohali, emphasized on the importance of expert advice for weight control as weight management is the key to live a healthy life with PCOS. She also emphasized that excess salt and sugar should be avoided, and underlined that herbs, spices, nuts, and seeds should be added to the daily diet. Diet must be accompanied by exercise to have better insulin metabolism and hormonal balance.



Group Photograph of Invited Speakers Dr Lajya Devi (left), Ms Sonia Gandhi (top right) and Dr Balpreet Kaur (bottom right)

Dr. Balpreet Kaur, Assistant Professor, Department of Obstetrics and Gynaecology, AIIMS Bathinda, stated that women from all

socioeconomic groups are affected by this syndrome. Due to higher estrogen levels, women with PCOS are prone to gynaecological cancers. She advised women to seek medical attention if they experience any of the symptoms listed above, which include missed or irregular periods, large cysts in the ovaries, infertility issues, and others.

Prof. Monisha Dhiman, NSS Coordinator, shared that the objective of this programme is to sensitise youngsters about PCOS, which is a common endocrinological condition affecting physical and mental health of women worldwide. Dr. Preeti Khetarpal and Dr. Sabyasachi Senapati coordinated the event.

.....

September 25, 2021: Central University of Punjab organized a special lecture on ‘Pharmacy: Always trusted for your health’ to mark World Pharmacist Day

The Department of Pharmaceutical Sciences & Natural Products and the Department of Pharmacology of the Central University of Punjab, Bathinda (CUPB) under the patronage of Vice Chancellor, Prof. Raghavendra P. Tiwari organized a webinar to celebrate the World Pharmacists Day on September 25, 2021. The Chief Guest of this programme was Prof. Shailendra Saraf, Vice President, Pharmacy Council of India, New Delhi and Dean, Faculty of Technology at Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.

At the beginning of the event, Prof. Raj Kumar, Dean, School of Health Sciences, CUPB, formally welcomed the participants and introduced the Chief Guest, Prof. Saraf.



Prof. Shailendra Saraf

In his keynote address, Prof. Saraf presented a brief report on the new paradigm shift in the pharmacy profession. He elaborated on the roles and responsibilities of pharmacists in recent times in various pharmaceutical sectors in India and across the globe. He encouraged the budding pharmacists to cope with the

healthcare challenges using novel and advanced technologies, including artificial intelligence and machine learning in India. He also added that there is a lot of scope in the pharmaceutical sector as India is going to be the largest market in the world. He emphasized several ethical concerns in the pharmaceutical sector to

impart easy, affordable, and economic pharmaceutical solutions. Eventually, he explained the paradigm shift in pharmaceutical education in India. He elaborated on the National Education Policy-2020 (NEP-2020) and ensured that pharmacy education would be aligned with the NEP-2020 to establish Atma Nirbhar Bharat. During his speech, he asked the pharmacy professionals to incorporate a multidisciplinary approach to develop and establish affordable and economic pharmaceutical solutions for everyone.

Vice Chancellor Prof. Raghavendra P. Tiwari motivated faculty members, students, and participants to incorporate innovative activities that should have a larger social impact. Prof. P. Ramarao, former Dean of Academic Affairs at CUPB, emphasized that novel and innovative ideas and technologies are needed to cope with the emerging challenges in the healthcare and pharmaceutical sectors. He also stressed the importance of a multidisciplinary approach in the pharmaceutical sector in order to provide a better and more realistic solution to every Indian and other individual around the world.

Dr. Debapriya Garabadu, Assistant Professor, Department of Pharmacology, CUPB, coordinated the programme. He also gave a formal vote of thanks at the end of the programme. Faculty, research scholars, and students from different departments of the university and other institutions across the country attended this programme.

.....

September 29, Bathinda: CUPB organized a National Webinar on “Revival Strategies for Tourism Industry amidst the Pandemic”

The Department of Financial Administration, School of Management at Central University of Punjab, under the patronage of Vice-Chancellor Prof. Raghavendra P. Tiwari, organized a National Webinar on "Revival Strategies for the Tourism Industry Amidst the Pandemic". The keynote speaker of this webinar was Prof. Sandeep Kulshreshtha, former Director, IITM and Chairman, All India Board of Tourism and Hospitality Management- AICTE.



Prof. Sandeep Kulshreshtha

Prof. Sandeep Kulshreshtha is the Senior Vice President, Commerce and Management Association of India, and member of the Editorial Board in International Journals and associated with leading Indian Universities running tourism programmes.

The keynote speaker, Prof. Sandeep Kulshreshtha, stated that every country has its own unique tourist attractions and socio-cultural aspects, considering which efforts should be made to promote sustainable and responsible tourism, gender sensitization, etc. He stated that medium and small-scale industries account for more than 75% of the tourism industry and emphasized the importance of the craftsman's role in attracting visitors. He discussed the impact of COVID-19 on the tourism sector and shared six strategies for the revival of the tourism industry, i.e. Solidarity, Smart Host, Social Media/ Digital Technology, Safe and Seamless Travel, Secondary Destination, and Smart Tourist. Prof. Kulshreshtha emphasized on the necessity to stay positive during this pandemic and advised the

students to focus on travel writing, blogging, travel photography, storytelling, re-skilling & up-skilling, cultural aspects and regional languages.

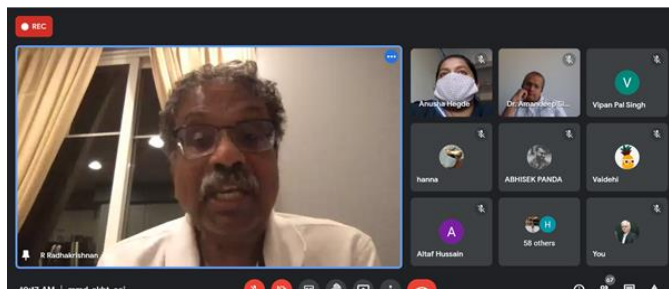
The programme commenced with a welcome address by Dr. Anand Thakur, Dean, School of Management. Dr. Dhanraj Sharma, Co-convenor introduced the keynote speaker and highlighted its significance of the Webinar theme in the current situation. Prof. Monisha Dhiman, Director, IQAC delivered a formal vote of thanks. Research scholars and students from different departments of the university actively participated in this programme.

.....

September 30, 2021: Department of English, Central University of Punjab organized a special lecture on "Identity, Representation and the Postcolonial"

Under the patronage of Vice Chancellor Prof. Raghavendra P. Tiwari, the Department of English at the Central University of Punjab, Bathinda (CUPB) organized an online invited talk on the topic "Identity, Representation, and the Postcolonial." The keynote speaker of this programme was Professor R. Radhakrishnan, Chancellor's Professor of Humanities and Distinguished Professor of English and Comparative Literature, University of California, Irvine.

particular and as 'the time after' in general. Some of the issues which Prof. Radhakrishnan discussed were: Is the future a break from the past?; What is the burden of the past on the post-colonial present?; What is the nature of the alignment between the imagining forward and the critical look back?; What is the message of post-colonial thought to itself and to the world at large?; Can One and the Many be made to resonate together in contrapuntal harmony?.



Prof. R. Radhakrishnan addressing the participants

In his keynote address, Prof. R. Radhakrishnan critically evaluated some of the crucial themes and anxieties that have constituted the field of post-colonial studies. The lecture focused on the issues of how, in a globalized world, we are located in a tangle of cultural and theoretical contradictions and how these contradictions are initiated from the debates over the issues of identity, representation, and material reality. He discussed the future of post-coloniality both as post-colonial in

Hon'ble Vice Chancellor of the university Professor Raghavendra P. Tiwari in his presidential remarks pointed out the relevance of the issues such as identity and representation in ancient Indian times. He posited that human agency encompasses intellectual, emotional, social and spiritual existence. On the basis of our concern for these types of existence we defined our civilisational objectives. He emphasised how Bhartiya darshan promoted universal brotherhood for the wellbeing of not only living but also non-living beings.

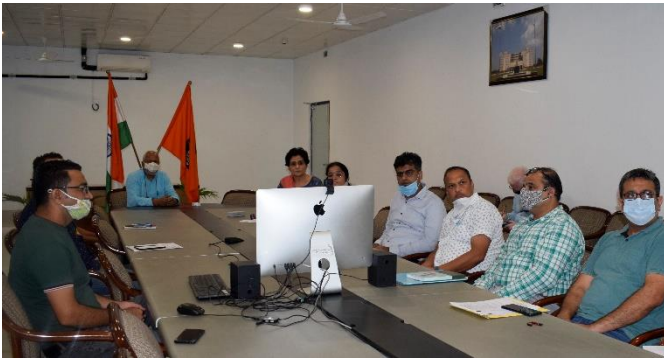
The programme commenced with the welcome address by Dr. Vipin Pal Singh, the convener of the Programme. Professor Alpana Saini moderated the question-answer session. Dr Shahila Zafar, HoD, gave the formal vote of thanks. Students from different departments of the university attended this programme.

.....

University Research Park & ISSC Activities

August 31, 2021: Talk on 'Cultivating a culture of innovation and entrepreneurship in Academia' organized at CUPB

The Research Park and Institutional Start-up Support Cell (ISSC) of the Central University of Punjab jointly organised a lecture entitled "Talk on Cultivating a Culture of Innovation and Entrepreneurship in Academia" given by Dr. Anita Gupta on August 31, 2021. Dr. Gupta is Scientist G and Head of National Science and Technology Entrepreneurship Development Board, Department of Science and Technology, Government of India.



Vice Chancellor Prof. RP Tiwari along with CUPB faculty attending the programme

The programme commenced with the Presidential address by the honourable Vice Chancellor, Prof. Tiwari who discussed the importance of skill development in the current world scenario. He emphasized the importance of NEP 2020 in transitioning the education system to develop job creators instead of job seekers. He discussed current activities at CUPB in entrepreneurship development. Prof. Anjana Munshi, Dean Research introduced the chief guest, Prof. Anita Gupta.

During her talk, Dr. Anita Gupta discussed various modalities of start-up, starting from the budding of an idea. She discussed various schemes run by DST and the Govt. of India NSTEDB for faculty, students, and

common people. She also informed us about women centric entrepreneurship programmes run and shared multiple success stories, including 'baby crib'. Overall, DST has invested in more than 100 incubation and



Dr. Anita Gupta

startup cells in India under various schemes. Government and private institutes are judged equally based on the quality of their proposals and available facilities. She informed us that India is currently ranked 3rd in terms of startups initiated. Her lecture highlighted multiple startups that have turned into unicorns (1 billion turnover). Towards the end of her lecture, she put forward guidelines to help new institutions to create a feasible environment for budding minds.

Later on, Dr. Sandeep Singh, Associate Professor informed the guests about Ideathon-I, an innovative programme organised by CUPB. The winners of the competition was announced; Ms. Aakriti Sharma and Ms. Soumii Mukherejee (MSc Molecular Medicine 1st), Pr. Pawan Kumar (MSc Zoology, 2nd) and Ms. Rupika Choudhary (MBA Agribusiness, 3rd). Prof. Ramakrishan Wusikrka, Dean Incharge Academics proposed a vote of thanks. The program was attended by Prof. Monisha Dhiman, Director IQAC, Prof. Raj Kumar, Dr. Puneet Bansal, Dr. Prashant Algeonkar, Dr. Yashi Srivastave, Dr. Puneeta Pandey and CUPB faculty and students connected via online mode.

.....

Invited Lectures (In brief)

Eminent academicians enlightened students during Invited Lectures organized by CUPB



Prof. Sajal Negi

August 26, 2021: CUPB Dept. of History organized an Invited Lecture on 'Sikh Community in North-East India'. The keynote speaker of this programme was Prof. Sajal Negi, Professor, Modern & Contemporary History, Assam University, Silchar. He talked about Asomiya Sikhs (who are permanently settled in Assam for the last four centuries) and shared their cultural connection and socio-economic contribution in the development of Assam. The programme was coordinated by Dr. Vikas Rathee.



Prof. Saroj Arya

September 10, 2021: The Dept. of Psychology organized a webinar on 'Suicide Prevention among Millennials'. The invited speaker of the programme was Prof. Saroj Arya, Professor in Clinical Psychology, Sweekaar Academy of Rehabilitation Sciences, Secunderabad (Former Associate Professor NIEPID, Secunderabad). She discussed the factors contributing to the suicides across age groups. She underlined depression as a major contributor to this cause and explained appropriate methods of care to prevent suicide. The programme was coordinated by Dr. Anugraha, Dr. Shubhdip, and Dr. Sajad.



Prof. D.S. Rawat

September 14, 2021: The Dept. of Chemistry organized an Webinar on 'Development of organic Chemistry and its impact on Health Care System' by Prof. Diwan S. Rawat (Fellow of royal society of chemistry), Dept. of Chemistry, University of Delhi.

September 25, 2021: The Department of Psychology organized a webinar on 'Military Psychology in India; Career and Organizational Practice of Psychology in Indian Armed Forces'. The invited speaker of this programme was Dr. Sibin Raj K, Psychology Scientist, DRDO (Defence Research and Development Organization), Gandhinagar, Gujarat. Dr. Anugraha, Dr. Shubhdip, and Dr. Sajad coordinated this programme.

STUDENT ACHIEVEMENTS

The List of students defended Ph.D. Thesis (August 2021 to September 2021)

| Sr. No. | Registration Number | Name | Department | Viva held date |
|---------|----------------------------------|----------------|------------------------------------|----------------|
| 1 | CUPB/MPh-PhD/SSS/CES/2013-14/07 | Satinder Singh | Economic Studies | 17.08.2021 |
| 2 | CUPB/MPh-PhD/SEES/EVS/2013-14/17 | Naseer Ahmad | Environment Science and Technology | 23.09.2021 |
| 3 | CUPB/MPh-PhD/SEES/EVS/2013-14/03 | Shilpa Sharma | Environment Science and Technology | 24.09.2021 |
| 4. | 16phdmns01 | Sarita Rani | Mathematics and Statistics | 29.09.2021 |

| Sr. No. | Other Achievements | Details |
|---------|--|--|
| 1 | Three students from Dept. of Psychology presented Research Paper in International Conerence | Three students of MA Psychology, Swati Punia, Dimple Sharma and Sreelakhmi Kizhakoot, under the guidance of Dr. Anugraha Merin Rajan, presented a Research Paper at the International virtual conference on Psychological wellbeing in the pandemic era organized by Kateel Ashok Pai Memorial college in association with Kuvempu University and Bharatiya Vidya Bhavan, Shimoga, Karnataka. |
| 2 | A student from Dept. of Psychology won first prize in online competition conducted by NIMHANS, Bangalore | Sumedha Bordoloi, a student of Psychology Dept. won the first prize in the "Engage to Change, World Mental Health Day 2021" e-competition conducted by the Positive Psychology Unit, Department of Clinical Psychology, NIMHANS, Bangalore in September 2021. Her write up on Action plan for the subjective well-being of the geriatric population was selected as Top solo entries in the compassionate and equalizing category. |

RESEARCH PUBLICATIONS

List of Research Publications

- Abboubakar, H., Kombou, L. K., Koko, A. D., Fouda, H. P. E., & Kumar, A. (2021). Projections and fractional dynamics of the typhoid fever: A case study of Mbandjock in the Centre Region of Cameroon. *Chaos, Solitons and Fractals*, 150. <https://doi.org/10.1016/j.chaos.2021.111129>
- Abboubakar, H., Kumar, P., Erturk, V. S., & Kumar, A. (2021). A mathematical study of a tuberculosis model with fractional derivatives. *International Journal of Modeling, Simulation, and Scientific Computing*, 12(4). <https://doi.org/10.1142/S1793962321500379>
- Aggarwal, V., Tuli, H. S., Varol, M., Tuorkey, M., Sak, K., Parashar, N. C., Barwal, T. S., Sharma, U., Iqbal, A., Parashar, G., & Jain, A. (2021). NOTCH signaling: Journey of an evolutionarily conserved pathway in driving tumor progression and its modulation as a therapeutic target. *Critical Reviews in Oncology/Hematology*, 164. <https://doi.org/10.1016/j.critrevonc.2021.103403>
- Anu, Yadav, K., Gaur, A., & Haldar, K. K. (2021). Effect of oxygen vacancies, lattice distortions and secondary phase on the structural, optical, dielectric and ferroelectric properties in Cd-doped Bi₂Ti₂O₇ nanoparticles. *Materials Research Bulletin*, 141. <https://doi.org/10.1016/j.materresbull.2021.111373>
- Bast, F. (2021). Perception of Online Learning Among Students From India Set Against the Pandemic. *Frontiers in Education*, 6. <https://doi.org/10.3389/educ.2021.705013>
- Bedi, P., Kumar, A., Abdeljawad, T., & Khan, A. (2021). Study of Hilfer fractional evolution equations by the properties of controllability and stability. *Alexandria Engineering Journal*, 60(4), 3741–3749. <https://doi.org/10.1016/j.aej.2021.02.014>
- Bedi, P., Kumar, A., Abdeljawad, T., Khan, A., & Gómez-Aguilar, J. F. (2021). Mild solutions of coupled hybrid fractional order system with caputo-hadamard derivatives. *Fractals*, 29(6). <https://doi.org/10.1142/S0218348X21501589>
- Bedi, P., Kumar, A., & Khan, A. (2021). Controllability of neutral impulsive fractional differential equations with Atangana-Baleanu-Caputo derivatives. *Chaos, Solitons and Fractals*, 150. <https://doi.org/10.1016/j.chaos.2021.111153>
- Bhagavatula, S., Banerjee, P., Sood, A., Midha, V., Thelma, B. K., & Senapati, S. (2021). Multiple allelic associations from genes involved in energy metabolism were identified in celiac disease. *Journal of Biosciences*, 46(3). <https://doi.org/10.1007/s12038-021-00184-0>
- Bhatti, G. K., Khullar, N., Sidhu, I. S., Navik, U. S., Reddy, A. P., Reddy, P. H., & Bhatti, J. S. (2021). Emerging role of

- non-coding RNA in health and disease. *Metabolic Brain Disease*, 36(6), 1119–1134. <https://doi.org/10.1007/s11011-021-00739-y>
- Biswas, R., Thakur, P., Kaur, G., Som, S., Saha, M., Jhahria, V., Singh, H., Ahmed, I., Banerjee, B., Chopra, D., Sen, T., & Haldar, K. K. (2021). Interfacial Engineering of CuCo₂S₄/g-C₃N₄Hybrid Nanorods for Efficient Oxygen Evolution Reaction. *Inorganic Chemistry*, 60(16), 12355–12366. <https://doi.org/10.1021/acs.inorgchem.1c01566>
- Chichholiya, Y., Suman, P., Singh, S., & Munshi, A. (2021). The genomic architecture of metastasis in breast cancer: focus on mechanistic aspects, signalling pathways and therapeutic strategies. *Medical Oncology*, 38(8). <https://doi.org/10.1007/s12032-021-01547-1>
- Devi, A., Kumar, A., Abdeljawad, T., & Khan, A. (2021). Stability analysis of solutions and existence theory of fractional Langevin equation. *Alexandria Engineering Journal*, 60(4), 3641–3647. <https://doi.org/10.1016/j.aej.2021.02.011>
- Devi, N., Kaur, K., Biharee, A., & Jaitak, V. (2021). Recent development in indole derivatives as anticancer agent: A mechanistic approach. *Anti-Cancer Agents in Medicinal Chemistry*, 21(14), 1802–1824. <https://doi.org/10.2174/1871520621999210104192644>
- Dhanial, N. K., Chauhan, V. K., Abhilash, D., Thakur, V., Chaitanya, R. K., Dutta-Gupta, S., & Dutta-Gupta, A. (2021). Gut-specific arylphorin mediates midgut regenerative response against Cry-induced damage in *Achaea janata*. *Comparative Biochemistry and Physiology Part - B: Biochemistry and Molecular Biology*, 255. <https://doi.org/10.1016/j.cbpb.2021.110600>
- Dhanker, R., Chaudhary, S., Goyal, S., & Garg, V. K. (2021). Influence of urban sewage sludge amendment on agricultural soil parameters. *Environmental Technology and Innovation*, 23. <https://doi.org/10.1016/j.eti.2021.101642>
- Galles, N. C., Liu, P. Y., Updike, R. L., Fullman, N., Nguyen, J., Rolfe, S., Sbarra, A. N., Schipp, M. F., Marks, A., Abady, G. G., Abbas, K. M., Abbasi, S. W., Abbastabar, H., Abd-Allah, F., Abdoli, A., Abolhassani, H., Abosetugn, A. E., Adabi, M., Adamu, A. A., ... Yunusa, I. (2021). Measuring routine childhood vaccination coverage in 204 countries and territories, 1980–2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. *The Lancet*, 398(10299), 503–521. [https://doi.org/10.1016/S0140-6736\(21\)00984-3](https://doi.org/10.1016/S0140-6736(21)00984-3)
- Gauttam, P., Singh, B., & Chattu, V. K. (2021). Higher education as a bridge between china and nepal: Mapping education as soft power in chinese foreign policy. *Societies*, 11(3). <https://doi.org/10.3390/soc11030081>
- Giri, K., Mishra, B. K., & Sathyamurthy, N. (2021). Disruptive influence of the host cage C₆₀ on the guest He–H⁺ bond and bonding in H₃⁺. *Journal of the Indian Chemical Society*, 98(8). <https://doi.org/10.1016/j.jics.2021.100101>
- Gotra, P., Bhardwaj, N., Ludhiadch, A., Singh, G., & Munshi, A. (2021). Epilepsy and Migraine Shared Genetic and Molecular Mechanisms: Focus on Therapeutic Strategies. *Molecular Neurobiology*, 58(8), 3874–3883. <https://doi.org/10.1007/s12035-021-02386-x>
- Gupta, R. K., Jain, R., Kumar, S., & Jyoti, D. (2021). On new symmetries and exact solutions of Einstein's field equation for perfect fluid distribution. *Pramana - Journal of Physics*, 95(3). <https://doi.org/10.1007/s12043-021-02162-5>
- Ito, F., Meenakshi, & Singh, S. (2021). Comparison and analysis of logistic regression, Naïve Bayes and KNN machine learning algorithms for credit card fraud detection. *International Journal of Information Technology (Singapore)*, 13(4), 1503–1511. <https://doi.org/10.1007/s41870-020-00430-y>
- Kaur, M., Mehta, V., Abdullah Wani, A., Arora, S., Bharatam, P. V., Sharon, A., Singh, S., & Kumar, R. (2021). Synthesis of 1,4-dihydropyrazolo[4,3-b]indoles via intramolecular C(sp²)-N bond formation involving nitrene insertion, DFT study and their anticancer assessment. *Bioorganic Chemistry*, 114. <https://doi.org/10.1016/j.bioorg.2021.105114>
- Kaur, P., Behera, B. S., Singh, S., & Munshi, A. (2021). "The pharmacological profile of SGLT2 inhibitors: Focus on mechanistic aspects and pharmacogenomics." *European Journal of Pharmacology*, 904. <https://doi.org/10.1016/j.ejphar.2021.174169>
- Khurid, S., Jangid, D. K., Biswas, R., Meena, S., Sahoo, S. C., Verma, V. P., Nandi, C., Haldar, K. K., & Dhayal, R. S. (2021). Ferrocene decorated homoleptic silver(I) clusters: Synthesis, structure, and their electrochemical behaviour. *Journal of Organometallic Chemistry*, 948. <https://doi.org/10.1016/j.jorganchem.2021.121923>
- Kui, L., Mao, W., Majeed, A., & Chen, J. (2021). Editorial: Computational Tools in Inferring Cancer Tissue-of-Origin and Molecular Classification Towards Personalized Cancer Therapy, Volume II. *Frontiers in Genetics*, 12. <https://doi.org/10.3389/fgene.2021.735103>
- Kumar, P., Erturk, V. S., & Murillo-Arcila, M. (2021). A complex fractional mathematical modeling for the love story

- of Layla and Majnun. *Chaos, Solitons and Fractals*, 150. <https://doi.org/10.1016/j.chaos.2021.111091>
- Kumar, P., Erturk, V. S., Yusuf, A., & Kumar, S. (2021). Fractional time-delay mathematical modeling of Oncolytic Virotherapy. *Chaos, Solitons and Fractals*, 150. <https://doi.org/10.1016/j.chaos.2021.111123>
- Kumar, P., Kumar, M., Bedi, O., Gupta, M., Kumar, S., Jaiswal, G., Rahi, V., Yedke, N. G., Bijalwan, A., Sharma, S., & Jamwal, S. (2021). Role of vitamins and minerals as immunity boosters in COVID-19. *Inflammopharmacology*, 29(4), 1001–1016. <https://doi.org/10.1007/s10787-021-00826-7>
- Kumar, P., Suat Ertürk, V., & Nisar, K. S. (2021). Fractional dynamics of huanglongbing transmission within a citrus tree. *Mathematical Methods in the Applied Sciences*, 44(14), 11404–11424. <https://doi.org/10.1002/mma.7499>
- Kumar, S. (2021). Invariant solutions and bifurcation analysis of the nonlinear transmission line model. *Nonlinear Dynamics*, 106(1), 211–227. <https://doi.org/10.1007/s11071-021-06823-3>
- Kumar, S., & Malik, S. (2021). Cubic-quartic optical solitons with Kudryashov's law of refractive index by Lie symmetry analysis. *Optik*, 242. <https://doi.org/10.1016/j.ijleo.2021.167308>
- Kumar, S., Prajapati, K. S., Shuaib, M., Kushwaha, P. P., Tuli, H. S., & Singh, A. K. (2021). Five-Decade Update on Chemopreventive and Other Pharmacological Potential of Kurarinone: a Natural Flavanone. *Frontiers in Pharmacology*, 12. <https://doi.org/10.3389/fphar.2021.737137>
- Kushwaha, P. P., Singh, A. K., Bansal, T., Yadav, A., Prajapati, K. S., Shuaib, M., & Kumar, S. (2021). Identification of Natural Inhibitors Against SARS-CoV-2 Drugable Targets Using Molecular Docking, Molecular Dynamics Simulation, and MM-PBSA Approach. *Frontiers in Cellular and Infection Microbiology*, 11. <https://doi.org/10.3389/fcimb.2021.730288>
- Kushwaha, P. P., Singh, A. K., Prajapati, K. S., Shuaib, M., Gupta, S., & Kumar, S. (2021). Phytochemicals present in Indian ginseng possess potential to inhibit SARS-CoV-2 virulence: A molecular docking and MD simulation study. *Microbial Pathogenesis*, 157. <https://doi.org/10.1016/j.micpath.2021.104954>
- Majeed, A., Kaur, H., Kaur, A., Das, S., Joseph, J., & Bhardwaj, P. (2021). Codon usage pattern in Gnetales evolved in close accordance with the Gnetifer hypothesis. *Botanical Journal of the Linnean Society*, 196(4), 423–436. <https://doi.org/10.1093/botlinnean/boab006>
- Mangla, S., Pathak, A. K., Arshad, M., & Haque, U. (2021). Short-term forecasting of the COVID-19 outbreak in India. *International Health*, 13(5), 410–420. <https://doi.org/10.1093/inthealth/ihab031>
- Mehrotra, S., & Parida, J. K. (2021). Why human development should precede economic growth in the States. *Economic and Political Weekly*, 56(38), 54–61. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115340177&partnerID=40&md5=5f68ca8c6d2d6c6da2b4797b277106e1>
- Mehta, V., Chander, H., & Munshi, A. (2021). Complex roles of discoidin domain receptor tyrosine kinases in cancer. *Clinical and Translational Oncology*, 23(8), 1497–1510. <https://doi.org/10.1007/s12094-021-02552-6>
- Niraula, G., Toneto, D., Joshy, E., Coaquira, J. A. H., Ayes, A. I., Garcia, F., Muraca, D., Denardin, J. C., Goya, G. F., & Sharma, S. K. (2021). Energy Evolution, Stabilization, and Mechanotransducer Properties of Fe₃O₄ Vortex Nanorings and Nanodisks. *Physical Review Applied*, 16(2). <https://doi.org/10.1103/PhysRevApplied.16.024002>
- Rajkumar, M., Maalmarugan, J., Flora, G., Surendarnath, S., Christy, S., Periyathambi, P., Kumar, S., Patel, R. P., Lobo, F. D., Singh, A. K., Vimalan, M., & SenthilKannan, K. (2021). Growth, characterizations, and the structural elucidation of diethyl-2-(3-oxoisoo-1,3-dihydrobenzofuran-1-ylidene)malonate crystalline specimen for dielectric and electronic filters, thermal, optical, mechanical, and biomedical applications using conventional experimental and theoretical practices. *Journal of Materials Science: Materials in Electronics*, 32(18), 22822–22839. <https://doi.org/10.1007/s10854-021-06761-1>
- Rana, N., Sundriyal, Y., Sharma, S., Khan, F., Kaushik, S., Chand, P., Bagri, D. S., Sati, S. P., & Juyal, N. (2021). Hydrological Characteristics of 7th February 2021 Rishi Ganga Flood: Implication towards Understanding Flood Hazards in Higher Himalaya. *Journal of the Geological Society of India*, 97(8), 827–835. <https://doi.org/10.1007/s12594-021-1781-4>
- Saini, K. C., Bast, F., Nayaka, S., & Gautam, A. K. (2021). Morpho-molecular characterization of rock-inhabiting lichen *Dermatocarpon miniatum* (Verrucariaceae, Ascomycota) and its symbiont in Indian Himalayas. *Nucleus (India)*, 64(2), 193–202. <https://doi.org/10.1007/s13237-021-00349-0>
- Sharma, P., Bilkhiwal, N., Chaturvedi, P., Kumar, S., & Khetarpal, P. (2021). Potential environmental toxicant exposure, metabolizing gene variants and risk of PCOS-A systematic review. *Reproductive Toxicology*, 103, 124–132. <https://doi.org/10.1016/j.reprotox.2021.06.005>
- Singh, B., & Chattu, V. K. (2021). Prioritizing “equity” in COVID-19 vaccine distribution through Global Health Diplomacy. *Health Promotion Perspectives*, 11(3), 281–287. <https://doi.org/10.34172/hpp.2021.36>

- Singh, L. P., & Kshetrimayum, K. S. (2021). Evaluation of spatial characteristics of groundwater hydrochemical constituents across different geomorphic units of the Imphal Valley in Northeast India. *Sustainable Water Resources Management*, 7(4). <https://doi.org/10.1007/s40899-021-00533-9>
- Singh, M., Jamra, R., Mehra, S., Rattan, S., & Singh, V. (2021). Potassium Tert-Butoxide-Promoted Synthesis of Fluorescent β -Carboline Tethered 1,3,5-Triazines and Assessment of Their Luminescent Properties. *Asian Journal of Organic Chemistry*, 10(8), 2184–2194. <https://doi.org/10.1002/ajoc.202100281>
- Singh, S., Singh, J., Ramamurthy, P. C., Kumar, V., Bhardwaj, S., & Garg, V. K. (2021). Biodegradation of monocrotophos by indigenous soil bacterial isolates in the presence of humic acid, Fe (III) and Cu (II) ions. *Bioresource Technology Reports*, 15. <https://doi.org/10.1016/j.biteb.2021.100778>
- Tuli, H. S., Mittal, S., Aggarwal, D., Parashar, G., Parashar, N. C., Upadhyay, S. K., Barwal, T. S., Jain, A., Kaur, G., Savla, R., Sak, K., Kumar, M., Varol, M., Iqbal, A., & Sharma, A. K. (2021). Path of Silibinin from diet to medicine: A dietary polyphenolic flavonoid having potential anti-cancer therapeutic significance. *Seminars in Cancer Biology*, 73, 196–218. <https://doi.org/10.1016/j.semcancer.2020.09.014>
- Vasudeva, K., Dutta, A., & Munshi, A. (2021). Role of lncRNAs in the Development of Ischemic Stroke and Their Therapeutic Potential. *Molecular Neurobiology*, 58(8), 3712–3728. <https://doi.org/10.1007/s12035-021-02359-0>

Sanctioned Research Grant

September 12, 2021: Research proposals of 7 newly appointed faculty members of Central University of Punjab selected for UGC's FRPS Start-Up Research Grant

The University Grants Commission's (UGC's) Empowered Committee to strengthen the Basic Sciences Research (BSR) Environment in Indian Universities has recommended 7 Project Proposals of the newly appointed faculty of the Central University of Punjab (CUPB) for the UGC's Faculty Research Promotion Schemes (FRPS) Start-Up Research Grant.

The news came with the release of a recent list of 145 recommended candidates by the UGC empowered committee on BSR in which seven newly joined faculty members of the Dept. of Biochemistry, Dept. of Computational Sciences, Dept. of Geography, and Dept. of Pharmacology at the Central University of Punjab got recommendations for their project proposals. The names of these faculty members are Dr. Vinay Kumar Bari, Dr. Ravindresh Chhabra, Dr. Dharmendra Singh, Dr. Pritam Chand, Dr. Uma Shanker, Dr. Hari Krishna Reddy, and Dr. Debapriya Garabadu.

Under the UGC's FRPS, the faculty members will get a start-up grant of Rs 10 Lakh each to pursue research in their respective fields. In this way, CUPB faculty will get a total start-up grant of RS 70 Lakh under UGC's FRPS.

Prof. Raghavendra P. Tiwari, the Vice Chancellor, congratulated the faculty members who had received recommendations for their project proposals. He exhorted faculty members to make judicious use of their Start-Up Research Grant to create new knowledge in their discipline and to find innovative solutions to problems in society through qualitative research.

CUPB faculty will use this Start-Up Grant to conduct research on the origin and progression of cervical cancer, computational material science, and genome editing. Identifying novel therapeutic strategies to cure metabolic disorders such as non-alcoholic fatty liver disease (NAFLD), non-alcoholic steatohepatitis (NASH) disease, and its secondary complications; Analysing the therapeutic potential of herbal medicines in the management of multiple sclerosis; Developing new therapy for the treatment of Alzheimer's Disease (memory loss); and Modelling the response of glacier dynamics to changing climate in North-western Himalayas.

.....

Grants sanctioned under UGC’s FRPS Start-up Research Grant during August—September 2021

| Sr. No. | Research Grant | Name of Department | Name of Faculty | Budget (INR) |
|---------|----------------|--------------------------------------|------------------------|--------------|
| 1 | UGC FRPS | Department of Pharmacology | Dr. Debapriya Garabadu | 10,00,000/- |
| 2 | UGC FRPS | Department of Pharmacology | Dr. Uma Shanker | 10,00,000/- |
| 3 | UGC FRPS | Department of Pharmacology | Dr. Harikrishna Reddy | 10,00,000/- |
| 4 | UGC FRPS | Department of Biochemistry | Dr. Vinay Kumar Bari | 10,00,000/- |
| 5 | UGC FRPS | Department of Biochemistry | Dr. Ravindresh Chhabra | 10,00,000/- |
| 6 | UGC FRPS | Department of Computational Sciences | Dr. Dharmendra Singh | 10,00,000/- |
| 7 | UGC FRPS | Department of Geography | Dr. Pritam Chand | 10,00,000/- |
| TOTAL | | | | 70,00,000/- |

Grants sanctioned under Research Projects during August—September 2021

| Sr. No | P.I. Name | Project Title | Funding Agency | Sanctioned Date | Year | Sanctioned Amount |
|--------|--------------------|---|----------------|-----------------|---------|-------------------|
| 1 | Dr. Shashank Kumar | Combination therapy for treatment of triple negative breast cancer: An in vitro and in vivo study | ICMR | 01-09-2021 | 2021-22 | 3832338 |

CUPB Scientist’s Research in News

August 13, 2021: New species of marine algae discovered from Andaman & Nicobar Islands named after little mermaid

A team of marine biologists from the Central University of Punjab discovered a new species of marine green algae from Andaman & Nicobar Islands. The green seaweed is named *Acetabularia jalakanyakae*. Authors said they chose the name as a tribute to the goddess of oceans. *Jalakanyaka* in Sanskrit literally means mermaid and a goddess of oceans, “The newly discovered alga is so stunning; it has caps with intricate designs as if it were umbrellas of a mermaid” said Dr. Felix Bast, who led the study. Additionally, the authors say they were influenced by the fictional character Little Mermaid in the eponymous fairy tale by Danish writer Hans Christian Anderson.

The main feature of the newly discovered species is that the whole plant is made up of just one gigantic cell with just one nucleus; botanically, the condition is called “coenocytic.” It was the pioneering work done in *Acetabularia* by German Botanist Joachim Hämmerring way back in the 1940s that led to the discovery of the

function of the nucleus itself; i.e. this is where cellular processes are being controlled. Yet another feature is that the end of the plant cell containing its nucleus forms a structure called rhizoid, that allows the algae to attach on the rocks underneath shallow tropical



Image of newly discovered green seaweed, *Acetabularia jalakanyakae*. Image ©Felix Bast

oceans where it grows. Having such a giant cell is advantageous for molecular biologists who study cellular processes; they can see it and manipulate it with naked eye. For this reason, Acetabularia is considered a model organism. In addition, Acetabularia have remarkable regenerative potential; if the top part is cut off, for example, it can regrow the structure.

Prof. Raghavendra Prasad Tiwari, Vice-Chancellor of the Central University of Punjab, congratulated the team for the discovery. He added, “Central University of Punjab is committed at undertaking national and international level exploratory research as finely illustrated in this discovery.

.....

Special Initiative by Hon’ble Vice Chancellor

August 21, 2021: CUPB Vice Chancellor holds meeting with Afghan students and assures them all possible help

In view of the current crisis situation prevailing in Afghanistan, Prof. Raghavendra P. Tiwari, the Vice Chancellor of Central University of Punjab, Bathinda (CUPB), met with Afghan students studying in various programmes of the university in the presence of Prof. Vinod K. Garg, Dean Student Welfare, and Mrs. Karuna Tiwari, the first lady of the university, to address the worries of Afghan students and to assure them of necessary support and care.



CUPB Vice Chancellor Prof. Tiwari and University officials interacting with Afghan students studying at university

During this meeting, students from Afghanistan spoke about the current situation in their country and said that

they are deeply concerned as they are unable to contact their families during these difficult times. They shared their concerns regarding visa extensions, ICCR scholarship, hostel accommodation, and financial issues, etc. Students mentioned that their classmates who went back home to Afghanistan during the semester break also wanted to come back.

Currently, around 16 Afghan students are studying at the university. In addition to this, 11 students from Afghanistan have taken admissions in CUPB in the AY 2021-22.

Vice Chancellor Prof. Tiwari stated that the university is concerned about the problems of our Afghan students and is with them during this tough time. While motivating the students, he assured them that the university would extend maximum help and assistance to them and that the whole CUPB fraternity stands in solidarity with our Afghan students. He urged students to feel comfortable in the peaceful and safe environment of the university campus.

Prof. Vinod K. Garg, Dean Student Welfare, told the Afghan students that their problems have been listed by the university authorities and all possible help will be provided to them.

.....

पूर्व मुख्यमंत्री प्रकाश सिंह बादल ने किया केंद्रीय विश्वविद्यालय का दौरा

जयपुर: पूर्व मुख्यमंत्री प्रकाश सिंह बादल गुरुवार को गैरिफ्ट विद्यालय का दौरा किया। वे शिक्षा, विज्ञान और प्रौद्योगिकी विभाग के सचिव के साथ बहाल हुए।



पूर्व मुख्यमंत्री प्रकाश सिंह बादल गुरुवार को गैरिफ्ट विद्यालय का दौरा किया।

अपने उच्च शिक्षा प्रशासनिक कार्यों के अलावा, वे शिक्षा, विज्ञान और प्रौद्योगिकी विभाग के सचिव के साथ बहाल हुए।

सेंट्रल यूनिवर्सिटी आफ पंजाब नैशिक्षा मंत्रालय की एनआईआरएफ इंडिया रैंकिंग में विश्वविद्यालय श्रेणी में पाया 84वां स्थान

नई दिल्ली: सेंट्रल यूनिवर्सिटी आफ पंजाब नैशिक्षा मंत्रालय की एनआईआरएफ इंडिया रैंकिंग में विश्वविद्यालय श्रेणी में पाया 84वां स्थान।



सेंट्रल यूनिवर्सिटी आफ पंजाब नैशिक्षा मंत्रालय की एनआईआरएफ इंडिया रैंकिंग में विश्वविद्यालय श्रेणी में पाया 84वां स्थान।

प्रो. राघवेंद्र प्रसाद तिवारी के नेतृत्व में पंजाब केंद्रीय विश्वविद्यालय नए आयाम स्थापित करने की ओर अग्रसर



राजपुरी: प्रो. राघवेंद्र प्रसाद तिवारी के नेतृत्व में पंजाब केंद्रीय विश्वविद्यालय नए आयाम स्थापित करने की ओर अग्रसर है।

विश्वविद्यालयके शोध इम्पैक्ट फैक्टर मेंअर्द्ध गुणा वृद्धि

राजपुरी: विश्वविद्यालयके शोध इम्पैक्ट फैक्टर में अर्द्ध गुणा वृद्धि हुई है।

सीपीओ विश्वस्तरीय विश्वविद्यालय बनाने का प्रण

राजपुरी: सीपीओ विश्वस्तरीय विश्वविद्यालय बनाने का प्रण है।

सीपीओ को नेतर शिवालय संस्थान बनाना लक्ष्य

राजपुरी: सीपीओ को नेतर शिवालय संस्थान बनाना लक्ष्य है।

सांख्यिकी संघ अग्रण

राजपुरी: सांख्यिकी संघ अग्रण है।

अभ्यास कर्ममिति से वार कर

राजपुरी: अभ्यास कर्ममिति से वार कर है।

अभ्यास कर्ममिति से वार कर

राजपुरी: अभ्यास कर्ममिति से वार कर है।

अभ्यास कर्ममिति से वार कर

राजपुरी: अभ्यास कर्ममिति से वार कर है।

Central varsity gets 2,983 rank in global survey

Central varsity gets 2,983 rank in global survey. The objective of the ranking is to promote open access to knowledge generated by a university.

हिंदी दिवस पंजाब केंद्रीय विश्वविद्यालय में हिंदी पखवाड़ा शुरू. मुख्य उद्देश्य के तौर पर पहुंचे हिमाचल प्रदेश के देवी विवि के कुलाधिपति

एक हजार वर्ष पुराना है हिंदी भाषा का इतिहास: प्रो. बेदी



एक हजार वर्ष पुराना है हिंदी भाषा का इतिहास: प्रो. बेदी।

एक हजार वर्ष पुराना है हिंदी भाषा का इतिहास: प्रो. बेदी।

पंजाब केंद्रीय विवि को साद्य परीक्षण प्रयोगशाला की स्थापना को 1.98 करोड़ का अनुदान मिला

पंजाब केंद्रीय विवि को साद्य परीक्षण प्रयोगशाला की स्थापना को 1.98 करोड़ का अनुदान मिला।

A FRAMEWORK FOR REVIVING OUR FADING GLORY

A FRAMEWORK FOR REVIVING OUR FADING GLORY. Flourished under civilization, the ancient Bharatiya value system...

A FRAMEWORK FOR REVIVING OUR FADING GLORY. Flourished under civilization, the ancient Bharatiya value system...

A FRAMEWORK FOR REVIVING OUR FADING GLORY. Flourished under civilization, the ancient Bharatiya value system...



Jagbir Singh

Central varsity chancellor in steering panel on education

BATHINDA: The Union ministry of education has nominated Jagbir Singh, 83, chancellor, Central University of Punjab (CUP), Bathinda to the twelve-member National Steering Committee for the development of N Curriculum Frameworks. The chancellor is an authority on med. Punjabi literature and folklore and literary criticism.

पंजाब केन्द्रीय विश्वविद्यालय में मनाया गया एनएसएस दिवस-2021

बठिंडा, (नीरज): पंजाब केन्द्रीय विश्वविद्यालय के एनएसएस सेल ने कुलपति प्रो. राघवेंद्र प्रसाद तिवारी के अध्यक्षता में एक कार्यक्रम आयोजित किया। कार्यक्रम के अंतर्गत एनएसएस के कार्यक्रमों का परिचय देते हुए कुलपति ने छात्रों को प्रेरित किया। कार्यक्रम के अंतर्गत एनएसएस के कार्यक्रमों का परिचय देते हुए कुलपति ने छात्रों को प्रेरित किया।



संस्थापक 24 सितंबर, 2021 को 100वां जन्मदिन का आयोजन किया गया।

पंजाब केन्द्रीय विश्वविद्यालय 'वेबमेट्रिक्स रैंकिंग आफ वर्ल्ड यूनिवर्सिटीज' द्वारा जारी दुनिया की 10 प्रतिशत शीर्ष उच्च शिक्षा संस्थानों की सूची में शुमार

बठिंडा, (नीरज कुमार): अंतरराष्ट्रीय स्तर पर शीर्ष 10 प्रतिशत शीर्ष उच्च शिक्षा संस्थानों की सूची में भारत का प्रतिनिधित्व करने वाली अग्रणी संस्थाओं की सूची में पंजाब केन्द्रीय विश्वविद्यालय शामिल किया है। यह सूची वेबमेट्रिक्स रैंकिंग द्वारा जारी की गई है।



सीयूपीबी के विद्यार्थियों की प्लेसमेंट

संजय, बठिंडा: पंजाब केन्द्रीय विश्वविद्यालय बठिंडा (सीयूपीबी) में एनएसएस कार्यक्रमों के अंतर्गत 10.2 लाख प्रति वर्ष और 52,704 अमेरिकी डॉलर प्रति वर्ष है। इसके अलावा, विश्वविद्यालय के पीजी प्रोग्रामों के अंतर्गत 10.2 लाख रुपये प्रति वर्ष का मिला।

बठिंडा, (नीरज कुमार): उत्कृष्टता की दिशा में अगे ब्लॉग हुए, पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा (सीयूपीबी) ने कुलपति प्रो. राघवेंद्र प्रसाद तिवारी के नेतृत्व में आउटलुक-आइकेएस 2021 में केन्द्रीय विश्वविद्यालयों की श्रेणी में मिला 11वां स्थान।

पंजाब केन्द्रीय विश्वविद्यालय को आउटलुक-आइकेएस इंडिया रैंकिंग्स 2021 में केन्द्रीय विश्वविद्यालयों की श्रेणी में मिला 11वां स्थान

बठिंडा, (नीरज कुमार): उत्कृष्टता की दिशा में अगे ब्लॉग हुए, पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा (सीयूपीबी) ने कुलपति प्रो. राघवेंद्र प्रसाद तिवारी के नेतृत्व में आउटलुक-आइकेएस 2021 में केन्द्रीय विश्वविद्यालयों की श्रेणी में मिला 11वां स्थान प्राप्त करने एक और मील पार कर लिया है। आउटलुक-आइकेएस (आईसीएआरआई) रैंकिंग्स 2021 में पंजाब केन्द्रीय विश्वविद्यालय ने इस रैंकिंग में एक स्थान बढ़ाकर 11वां स्थान प्राप्त किया है।



बठिंडा, 18 सितंबर (जसप्रीत): कुलपति प्रो. राघवेंद्र प्रसाद तिवारी के कुशल नेतृत्व में पंजाबी विभाग की पहल के तहत, पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा (सीयूपीबी) ने भारतीय भाषा संस्थान (सीआईआईएल), मैसूर के साथ एक समझौता ज्ञापन (एमओयू) पर हस्ताक्षर किए। यह समझौता भारतीय भाषाओं पर शिक्षा, नवाचार और अनुसंधान के क्षेत्र में सहयोग को बढ़ावा देने के लिए इन दो राष्ट्रीय संस्थानों के बीच एक महत्वपूर्ण साझेदारी का काम करेगा।

पंजाब केन्द्रीय विश्वविद्यालय के 7 नवनि्युक्त संकाय सदस्यों के शोध प्रस्ताव यूजीसी की एफआरपीएस स्टार्ट-अप रिसर्च ग्रांट के लिए चयनित

बठिंडा, (नीरज कुमार): भारतीय विश्वविद्यालयों में मूलभूत विज्ञान अनुसंधान प्रयोगों को प्रोत्साहित करने हेतु विश्वविद्यालय अनुसंधान आयोग (यूजीसी) द्वारा गठित समिति ने पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा (सीयूपीबी) के 7 नवनि्युक्त संकाय सदस्यों के शोध प्रस्तावों की यूजीसी की फेकल्टी रिसर्च प्रोग्राम स्क्रीन (एफआरपीएस) स्टार्ट-अप रिसर्च ग्रांट के लिए सिफारिश की है।

पंजाब केन्द्रीय विश्वविद्यालय के 7 नवनि्युक्त संकाय सदस्यों के शोध प्रस्ताव यूजीसी की एफआरपीएस स्टार्ट-अप रिसर्च ग्रांट के लिए चयनित

बठिंडा, (नीरज कुमार): भारतीय विश्वविद्यालयों में मूलभूत विज्ञान अनुसंधान प्रयोगों को प्रोत्साहित करने हेतु विश्वविद्यालय अनुसंधान आयोग (यूजीसी) द्वारा गठित समिति ने पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा (सीयूपीबी) के 7 नवनि्युक्त संकाय सदस्यों के शोध प्रस्तावों की यूजीसी की फेकल्टी रिसर्च प्रोग्राम स्क्रीन (एफआरपीएस) स्टार्ट-अप रिसर्च ग्रांट के लिए सिफारिश की है।



भारतीय भाषाओं पर शिक्षा, नवाचार और अनुसंधान बढ़ावा देने की दिशा में एक महत्वपूर्ण कदम

सीयूपीबी ने किया सीआईआईएल के साथ एमओयू

बठिंडा, 18 सितंबर (जसप्रीत): कुलपति प्रो. राघवेंद्र प्रसाद तिवारी के कुशल नेतृत्व में पंजाबी विभाग की पहल के तहत, पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा (सीयूपीबी) ने भारतीय भाषा संस्थान (सीआईआईएल), मैसूर के साथ एक समझौता ज्ञापन (एमओयू) पर हस्ताक्षर किए। यह समझौता भारतीय भाषाओं पर शिक्षा, नवाचार और अनुसंधान के क्षेत्र में सहयोग को बढ़ावा देने के लिए इन दो राष्ट्रीय संस्थानों के बीच एक महत्वपूर्ण साझेदारी का काम करेगा।



सीयूपीबी द्वारा सीआईआईएल के साथ आन्तलाइन आयोजन में हो रहा एमओयू।

अपने संबोधन में कहा कि यह समझौता दोनों संस्थानों के लिए शिक्षा और अनुसंधान के क्षेत्र में मील का पत्थर साबित होगा। उन्होंने कहा कि

भाषा न केवल संचार का साधन है, बल्कि ज्ञान, लोक कथाओं, संस्कृति और क्षेत्र के इतिहास का भी रखजाना है। इस लिए, भारत की समृद्ध विरासत के संरक्षण के लिए भारतीय भाषाओं का संरक्षण और प्रचार जरूरी है। भारतीय भाषा संस्थान के निदेशक प्रो. शैलेन्द्र मोहन ने कहा कि इस समझौते के अंतर्गत पंजाबी भाषा, अन्य क्षेत्रीय भाषाओं और बोलियों के अध्ययन तथा अनुवाद के क्षेत्र में महत्वपूर्ण काम हो सकेगा।

Follow CUPB on Social Media



: https://twitter.com/cup_bathinda



: <https://www.facebook.com/centraluniversityofpunjab>



: https://www.instagram.com/cup_bathinda/



CUPB Newsletter Compiled & Published by:

Office of Public Relations & CUPB Newsletter Committee

Patron

Prof. Raghavendra P. Tiwari
Vice Chancellor
Central University of Punjab

Editorial Board

Prof. Alpna Saini
Prof. Monisha Dhiman
Dr. Dinesh Babu P.
Dr. Rubal Kanozia
Dr. Paramveer Singh
Dr. Ramanpreet Kaur
Dr. Kulbhushan Sharma
Mr. Robin Jindal (P.R.O.)

Designed by:

Office of Public Relations
Central University of Punjab, VPO Ghudda, Dist. Bathinda
Website: www.cup.edu.in

For any suggestions, please contact us at pro@cup.edu.in
