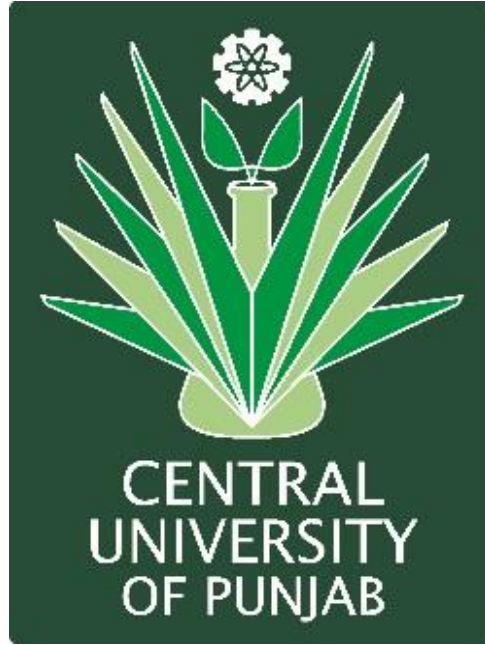


CUPB NEWSLETTER

Vol. 7 (No. 3&4) June 1, 2019 – November 30, 2019



ਪੰਜਾਬ ਵੇਂਦਰੀ ਯੂਨੀਵਰਸਿਟੀ

ਪੰਜਾਬ ਕੇਂਦਰੀਯ ਵਿਸ਼ਵਵਿਦਯਾਲਯ, ਬਠਿੰਡਾ

Central University of Punjab, Bathinda

EDITORIAL

Working continuously under the mission to create new knowledge, and develop innovative solutions for various research problems, the Central University of Punjab is moving ahead & marking footprints on the way towards excellence. The best in class teaching-research facilities, and international level exposure provided at CUPB empowered the students studying here from across 28 different states and three foreign countries to nurture themselves and showcase their talent on various platforms. CUPB students enriched pride of their University, by winning Champions Trophy in 15th National Youth Parliament. In addition to this, a total of 74 students qualify different competitions exams like UGC-NET/JRF, GATE, GPAT 2019 Exams. The University achieved a new milestone in the field of social science research by getting the approval of 7 Research Projects under the first call of IMPRESS Scheme and thus becoming the frontrunner among other newly established central universities with the highest faculty to project ratio. The University distributed 28 PhD Degrees, and 458 Post Graduate Degrees during the 5th Convocation.

During the last six months, the Central University of Punjab holds different programmes for growth and development of faculty members. The Teaching-Learning Centre at CUPB holds five National Workshops in Sociology, Political Science, Environmental Sciences, Literature Studies, and Economics Discipline. Additionally, the University organized two Faculty Induction Programmes and one National Level Workshop on Curriculum Design and Development. The faculty members of various institutions representing different states participated in these programmes.

The new academic session started with the orientation programme for newly admitted students. In this session, the University commenced additional courses in nine new departments. The qualified faculty of CUPB launched two new online courses on UGC MOOCs portal. In addition to the academic calendar, the departments at CUPB holds various invited lectures from well-known Industry Experts/Writers/ Professors for the full-fledged understanding of concepts related to their discipline. The University organized a special Seminar on Life, Philosophy, and Teachings of Shri Guru Nanak Dev Ji to commemorate their 550th birth anniversary. The NSS Wing of University held “Swachhta Pakhwara” and “Swachhta hi Sewa” programme to mark 150th birth anniversary of Mahatama Gandhi Ji. CUPB promoted the values of team spirit, integrity, and respect towards constitution by celebrating National University Day, Vigilance Awareness Week, and Constitution Day Celebrations.

To inculcate innovative ideations, CUPB Institution’s Innovation Council organized Poster Making Competition on World Innovation Day, Quiz Competition on Intellectual Property Rights, and a special lecture on Academic Innovation & Entrepreneurship. The University also organized different programmes under Fit India Movement such as Walkathon, Yoga Camps, Walk and Talk for Health Heart, and Run for Unity etc. to promote physical fitness among youngsters.

Former Indian President Dr APJ Kalam, once mentioned that “Excellence is not an accident, it is a continuous process”. The dedicated efforts and teamwork of experienced faculty, innovative research scholars, and enthusiastic students will facilitate CUPB to set new benchmarks in our pursuit of excellence.

EVENTS ORGANISED

27th May to 7th June - CUPB TLC successfully concluded MHRD Sponsored two National Workshops on Sociology & Political Science disciplines

Teaching Learning Centre (TLC) at the Central University of Punjab successfully concluded MHRD sponsored two multidisciplinary National Workshops of two-week duration on Sociology & Political Science disciplines. Both these workshops commenced on 27th May and were organised under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching. Their themes were



Prof Ghumman VC Punjabi University addressing the audience

“Quantitative Methods in Social Sciences” and “Understanding Indian Politics & Economy in 21st Century”. Its objective is to enhance the teaching potential of young faculty members. During the inaugural session, Vice-Chancellor of Punjabi University Prof B. S. Ghuman delivered the Presidential address. The keynote speaker of the inaugural program was Prof. Vinay Kumar Srivastava, Director, Anthropological Survey of India, Kolkata. The Special Guest of Valedictory Session was Prof Vivek Kumar, Professor JNU New Delhi and Visiting Associate Professor

at the Department of Sociology, Columbia University. Around 88 faculty members from different institutions representing various states participated and acquired in-depth knowledge of different disciplines.

During the concluding session, Dr Vinod Arya Coordinator TLC presented the Programme Report. He mentioned that nearly 65 sessions were held during both these workshops. The resource persons of these sessions were eminent personalities from Academic & Research field. Prof P Ramarao, Dean Academic Affairs appreciated the efforts of the organising team and stated that this workshop would surely act as a tool of empowerment for participants in improving their research & teaching skills.

In his keynote address, Prof Vivek Kumar said, that social sciences help us to understand human beings better. He talked about the impact of Newtonian Physics Model and Einstein Physics Model on Quantitative Research Methods of Social Science and mentioned that positivism, empiricism and deductive analyses are their outcomes. He shared his concern that most of the researchers use quantitative methods of social



Group Photo of Participants in TLC Workshop in Political Science and Sociology

science for verification of data only. He recommended them for the adoption of the falsification approach to build new theory and processes. On behalf of organising

team, Dr Bawa Singh thanked the distinguished guests and participants for making this program a success.

13th to 21st June – CUPB organised one-week Yoga Camp & celebrated International Yoga Day

The Central University of Punjab celebrated 5th Edition of International Yoga Day 2019 with great zeal and enthusiasm. To mark this occasion, a week-long yoga camp was organised from 13th to 20st June to spread awareness among youngsters to live a stressfree life with the help of Yoga. On International Yoga Day, a special yoga session was held. Honourable Vice-Chancellor Prof R.K. Kohli, CUPB faculty, staff and students participated in this event.



CUPB VC Prof RK Kohli along with faculty & Staff performing in Yoga Aasans

During the program, Sports Officer Mr Gagandeep Singh welcomed the guests. He mentioned that International Yoga Day was celebrated with a unique theme every year since 2015, and its theme of the 2019 edition is Yoga for Climate Change. Further, he took Yoga Session and performed various Pranayam and Yoga Aasans along with participants.

Prof R.K. Kohli, the Vice-Chancellor, talked about the importance of yoga and exercise for a healthy body and a healthy mind. He encouraged youngsters to follow Yoga as a part of daily routine to stay fit and achieve their long term goals. Mr Kanwal Pal Singh, Controller of Examination and Registrar (Additional Charge), advocated Yoga for a stressfree and healthy life. He appreciated the efforts of the organising team and thanked the participants for making this event a success. During the program, a Yoga Competition was conducted, and winners were awarded prizes.

4th June to 13th July - Central University of Punjab successfully conducted MHRD sponsored two Faculty Induction Programmes

Under the patronage of honourable Vice-Chancellor Prof R. K. Kohli, Central University of Punjab's School of Education successfully organised MHRD sponsored two Faculty Induction Programmes of one-month duration each. These Programmes were conducted from 4th June to 3rd July and from 13th June to 12th July respectively under MHRD's Pandit Madan Mohan Malviya National Mission on Teachers and Teaching. Its objective was to train the young faculty members. Around 77 newly joined faculty members from various colleges/universities from 13 different states participated in these programmes.

While presenting the programme summary report, Prof. S K Bawa, HoD Education Department & Director IQAC, mentioned that both these FIP workshops achieved its objective of imparting training on designing course curriculum, efficient use of ICT, & developing an understanding of academic governance among the participants. She stated that during these Faculty Induction Program, nearly 200 sessions were held on various modules and these workshops provide an opportunity to participants to interact with well-known resource persons in the field of academics and industry from across the country. Towards the end, participants expressed their feedback and shared key learning

they yielded from these workshops. Organisers thanked the participants for their sincere association and making these programmes a huge success.



Group Pic of participants of 4th June to 3rd July FIP Workshop



Group Pic of participants of 13th June to 12th July FIP Workshop

28th June – Dept. of Mathematics & Statistics at CUPB organised a special lecture on Customization of Academic Culture by Prof Satish Bhatnagar (USA)

Central University of Punjab's Department of Mathematics & Statistics organised a special Lecture on Customization of Academic Culture in University's Seminar Hall. The resource person of this programme was Prof. Satish C Bhatnagar, Department of Mathematical Sciences, University of Nevada, Las Vegas, USA. The distinguished professor did his Masters from Panjab University and a doctorate from the University of Indiana. At the start of his career, Prof Bhatnagar has taught in various institutes of Bhatinda and Patiala before shifted to the US. Faculty Members, Research Scholars, and Students from various departments attended this lecture.

At the start of the program, Dr Gauree Shanker, Head Department of Mathematics & Statistics welcomed the guests and introduced the resource person to the participants. Prof Bhatnagar, talked about the importance of interdisciplinary research. He mentioned that the academic culture needs to be customised as per the requirement of industry & society. He added, one discipline could play an



Prof Satish Bhatnagar addressing the audience

essential role in research projects of other disciplines. He discussed the role of mathematicians and statisticians in the field of social sciences, basic and applied sciences. He suggested youngsters, to start reading books of other disciplines along with their own for a better

understanding of the situation. He motivated research scholars to do high-quality research and work on issues of high social relevance.

4th July - Central University of Punjab got approval for 7 Research Projects under MHRD IMPRESS Scheme

Central University of Punjab (CUPB) has achieved another milestone in the field of social science research by getting the approval of 7 Research Projects Proposals under the first call of MHRD Impactful Policy Research in Social Science (IMPRESS) Scheme. The IMPRESS scheme aims to encourage social science research in relevant areas to provide vital inputs in policy formulation, implementation and evaluation. The selected research projects of CUPB faculty belongs to the following domains- Agriculture & Rural Development, Health & Education, Media Culture & Society and Social Media & Technology.

University's Honourable VC Prof RK Kohli congratulated the faculty members whose Research Project Proposals got selected under the first call of IMPRESS Scheme. On this occasion, he emphasised, that CUPB is on top amongst the newly established Central Universities with 7 Research Projects and is the frontrunner in between other Universities of the region with the highest Faculty to Project Ratio. He expressed that our university is proud of its talented faculty who is always committed to set new benchmarks in the field of education and research.

There are seven faculty members whose research proposal got selected and their Research Projects Title are as follows:- Effects of internet-enabled mobile phones on youth: A study of Bathinda District, An evaluation of the effectiveness of Pradhan Mantri Fasal Bima Yojana for Haryana & Punjab: the way forward for diversification, Restructuring in Agri-Food markets in India: Impacts on primary producers and workers, Performance of regulated APMCs in Haryana under new agriculture marketing reforms regime, Availability and accessibility of Health Care Facility with particular reference to Hill District of Manipur, Effect of blended learning on Pedagogy, Achievement Motivation & Academic Achievement of class VIIth science students and Youth Involvement in Agriculture project – A case study of Agri-Clinics and Agri-business centres (ACABC) Scheme in Punjab.

9th July - 18th July - Central University of Punjab successfully organised 10-day Workshop on Curriculum Design & Development

Under the patronage of Honourable Vice-Chancellor Prof RK Kohli, the Central University of Punjab's School of Education successfully concluded 10-day Workshop on Curriculum Design & Development. This workshop was sponsored by MHRD and was organised under Pandit Madan Mohan Malaviya National Mission on Teaching and Learning (PMMMNMTT from 9th to 18th July. This workshop aimed to impart knowledge on bases to design the curriculum and to strengthen the teaching-learning skills of teachers. Total 22 faculty members from 8 different states across India participated in this workshop,



[Prof V K Garg delivering Inaugural Address](#)

During the inaugural session, Prof V.K. Garg Dean Student Welfare CUPB welcomed the participants & introduced the program theme. He mentioned that our approach to curriculum design should be aimed towards finding solutions to real-life problems. He motivated young faculty

members to consider requirements of Corporate and Research Institutions while designing a course curriculum.

During the valedictory session, Head Department of Education and Director IQAC, Prof. S.K. Bawa presented Program Summary Report. She mentioned that this workshop has achieved its objective of imparting training on designing course curriculum with interactive discussions in its all 16 modules. She also stated that this workshop has provided an opportunity to participants to interact with well-known personalities in the field of academics from across the country. Towards the end, participants submitted their feedback and organisers thanked them for making this program a success.



Group Photograph of participants with Program Organiser

22nd to 26th July – Dept. of Computer Science CUPB organised one-week Workshop on Python Programming

Under the guidance of Hon'ble Vice-Chancellor Prof. R. K Kohli, the Department of Computer Science & Technology, Central University of Punjab organised one-week Workshop on “Python Programming”. National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh, conducted this workshop from 22nd to 26th July at CUPB City Campus. Around 21



Resource Persons teaching Python Applications to participants

faculty members from 06 institutions of Punjab participated in this workshop.

Dr Amandeep Kaur, Head Dept. of Computer Science & Technology mentioned that the objective of this workshop is to provide hands-on training to faculty members in Python Programming, a useful scripting language. The participants got exposure to designing and developing Python Applications. She informed that during this program Experts from NITTTR Chandigarh provided training on Python Programming to the participants. She added, this programme would surely help

the faculty members in enhancing their skills.

24th July - 74 Students from Central University of Punjab cleared UGC-NET / GATE / GPAT 2019 Exam

Central University of Punjab (CUPB) has accomplished another milestone in the area of providing Quality Education, as 74 CUPB students cleared UGC-NET / GATE / GPAT's 2019 Competitive Examinations. As per University's IQAC Cell, a total of 37 students have qualified UGC-NET, 2

students have cleared GPAT, and 35 students have qualified GATE 2019 Exams. Apart from this, out of those students who have cleared UGC-NET 2019 Exam, 6 students have qualified for Junior Research Fellowship (JRF) Award as well.

Honourable Vice-Chancellor Prof R.K. Kohli congratulated the students for achieving success in these competitive examinations. He mentioned that credit of this success also goes to our qualified and experienced faculty members who prepared and motivated students to crack these exams.

Prof S.K. Bawa, Director IQAC mentioned that Central University of Punjab focuses on designing Program Curriculum in a way that covers the syllabus of competitive examinations and other essential knowledge related to that discipline, which prepares students for their respective competitive examinations. She informed CUPB Students have cleared UGC-NET/ GATE/ GPAT 2019 Examinations in different programs and their names are- Education, Agribusiness, Computer Science & Technology, Economics, English, Environmental Science & Technology, Food Science & Technology, Geography, History, Mass Communication & Journalism, Political Sciences, Punjabi, Pharmacy, Animal Sciences, Biochemistry & Microbial Science, Chemistry, Human Genetics, Microbiology & Zoology, Mathematics, Molecular Medicine, Plant Science, Physical Sciences.

26th July - Central University of Punjab organised Orientation Programme for newly-joined students

To earmark the start of the new academic session, the Central University of Punjab organised an



VC Prof RK Kohli addressing the students

Orientation Programme for the newly admitted students at University's Auditorium on Friday with unshakable felicity. The objective of this programme was to help the newcomers to know about University so that they could better use of its facilities. More than 500 fresher who joined various PG Courses at CUPB participated in this Orientation Programme. At the start, Honorable Vice-Chancellor Prof R.K. Kohli welcomed the newly joined

students of the Central University of Punjab. He shared details of University Authorities

and introduced Dean Academic Affairs, Dean Student Welfare, Controller of Examination, Deputy Finance Officer, Professors and Chair Professors with students.

During his Keynote address, Vice-Chancellor Prof Kohli stated, our students should feel proud to be a part of CUPB, as it has been accredited as "A Grade University" by NAAC and has got "95th Rank." in NIRF 2019 India Rankings. He said, our university is committed towards the creation of new knowledge by consistent research and is forerunner among the newly established central universities with best research output and highest faculty to project ratio. Prof Kohli mentioned, our university ensures to provide the best quality education to students through well-qualified faculty, excellent research facilities, fully automated library, hi-tech science labs, computer and multimedia labs. He also highlighted University's Best Practices including- no cash transaction, online feedback, online examination system, well-defined criteria for awards etc. He asserted, CUPB is also known as Mini India, as students from across 27 states study here. Prof Kohli concluded his talk with a

message; students should develop the necessary skills & make the best use of the university's resources to achieve their goals.

During the program, Prof P Ramarao, Dean Academic Affairs, introduced Associate Deans and Head of Departments to students. Prof V.K. Garg, Dean Student Welfare, shared university's rules and regulations with students. He introduced Hostel Wardens, Medical Officer, Security Officer, Librarian and Sports Officer. Mr KP Singh COE & Registrar mentioned university's administration is committed to ensure a comfortable stay of students. He thanked everyone for making this programme a success.

29 ਜੁਲਾਈ, 2019 - ਪੰਜਾਬ ਕੇਂਦਰੀ ਯੂਨੀਵਰਸਿਟੀ ਦੇ ਪੰਜਾਬੀ ਵਿਭਾਗ ਨੇ ਸਾਹਿਤ ਚਿੰਤਕ, ਅਧਿਆਪਕ ਅਤੇ ਨਾਵਲਕਾਰ ਪ੍ਰੋ. ਜਸਵਿੰਦਰ ਸਿੰਘ ਦੇ ਵਿਸ਼ੇਸ਼ ਭਾਸ਼ਣ ਦਾ ਆਯੋਜਨ ਕੀਤਾ

29 ਜੁਲਾਈ, 2019: ਪੰਜਾਬ ਕੇਂਦਰੀ ਯੂਨੀਵਰਸਿਟੀ, ਬਠਿੰਡਾ ਵਿਖੇ ਪੰਜਾਬੀ ਵਿਭਾਗ ਵੱਲੋਂ 29 ਜੁਲਾਈ, 2019 ਨੂੰ ਨਵੇਂ ਅਕਾਦਮਿਕ ਸੈਸ਼ਨ ਦੀ ਸ਼ੁਰੂਆਤ ਮੌਕੇ ਵਿਸ਼ੇਸ਼ ਭਾਸ਼ਣ ਦਾ ਆਯੋਜਨ ਕੀਤਾ ਗਿਆ ਜਿਸ ਵਿਚ ਯੂਨੀਵਰਸਿਟੀ ਦੇ ਵਿਦਿਆਰਥੀਆਂ, ਖੋਜਾਰਥੀਆਂ ਅਤੇ ਅਧਿਆਪਕਾਂ ਤੋਂ ਇਲਾਵਾ ਉੱਘੇ ਸਾਹਿਤ ਚਿੰਤਕ, ਅਧਿਆਪਕ ਅਤੇ ਨਾਵਲਕਾਰ ਪ੍ਰੋ. ਜਸਵਿੰਦਰ ਸਿੰਘ ਪ੍ਰਮੁੱਖ ਵਕਤਾ ਵਜੋਂ ਹਾਜ਼ਰ ਹੋਏ। ਪ੍ਰੋਗਰਾਮ ਦੀ ਸ਼ੁਰੂਆਤ ਵਿਚ ਪੰਜਾਬੀ ਵਿਭਾਗ ਦੇ ਮੁਖੀ ਡਾ. ਜ਼ਮੀਰਪਾਲ ਕੌਰ ਕੌਰ ਵੱਲੋਂ ਰਸਮੀ ਸਵਾਗਤ ਤੋਂ ਬਾਅਦ ਡਾ. ਅਮਨਦੀਪ ਸਿੰਘ ਨੇ ਪ੍ਰੋਗਰਾਮ ਦੇ ਮੁੱਖ ਬੁਲਾਰੇ ਪ੍ਰੋ. ਜਸਵਿੰਦਰ ਸਿੰਘ ਨਾਲ ਜਾਣ-ਪਛਾਣ ਕਰਵਾਉਂਦਿਆਂ ਉਨ੍ਹਾਂ ਦੇ ਅਧਿਆਪਨ ਕਾਰਜ, ਰਚਨਾਵਾਂ ਅਤੇ ਸਾਹਿਤ ਅਧਿਐਨ ਸੰਬੰਧੀ ਕੰਮ ਬਾਰੇ ਸੰਖੇਪ ਜਾਣਕਾਰੀ ਦਿੱਤੀ।



Prof Jaswinder Singh addressing the gathering

ਪ੍ਰੋ. ਜਸਵਿੰਦਰ ਸਿੰਘ ਨੇ ਯੂਨੀਵਰਸਿਟੀ ਵਿਚ ਪੰਜਾਬੀ ਵਿਭਾਗ ਦੀ ਸਥਾਪਨਾ ਦੀ ਵਧਾਈ ਦਿੰਦੇ ਹੋਏ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਿਰਜਣਾਤਮਕ ਅਤੇ ਬੌਧਿਕ ਰੁਚੀਆਂ ਪੈਦਾ ਕਰਨ ਲਈ ਪ੍ਰੇਰਨਾਦਾਇਕ ਉਦਾਹਰਣਾਂ ਦਿੱਤੀਆਂ। ਉਨ੍ਹਾਂ ਨੇ ਵਿਦਿਆਰਥੀ

ਵਿਦਿਆਰਥੀ ਜੀਵਨ ਵਿਚ ਅਨੁਸ਼ਾਸਨ ਵਿਸ਼ੇਸ਼ ਦੀ ਭੂਮਿਕਾ, ਭਾਸ਼ਾਈ-ਸਮਝ ਅਤੇ ਸਾਹਿਤ ਦੀ ਅਹਿਮ ਭੂਮਿਕਾ ਸੰਬੰਧੀ ਵੀ ਆਪਣੇ ਵਿਚਾਰ ਵਿਦਿਆਰਥੀਆਂ ਨਾਲ ਸਾਂਝੇ ਕੀਤੇ। ਉਨ੍ਹਾਂ ਨੇ ਇਸ ਪੱਖ 'ਤੇ ਵਿਸ਼ੇਸ਼ ਜ਼ੋਰ ਦਿੱਤਾ ਕਿ ਕਿਸੇ ਵੀ ਖੇਤਰ ਵਿਚ ਕਾਮਯਾਬੀ ਉਦੋਂ ਹੀ ਹਾਸਿਲ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ ਜੇ ਪੂਰੀ ਦ੍ਰਿੜਤਾ ਨਾਲ ਉਸ ਨੂੰ ਅਪਣਾਇਆ ਜਾਵੇ। ਇਸ ਲਈ ਸਾਹਿਤ ਅਧਿਐਨ ਦੇ ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਤ ਵਿਦਿਆਰਥੀ ਲਈ ਜਿੱਥੇ ਉਸ ਦਾ ਭਾਸ਼ਾ-ਵਿਸ਼ੇਸ਼ ਨਾਲ ਜੁੜਨਾ ਜ਼ਰੂਰੀ ਹੈ, ਉਥੇ ਵਿਸ਼ਵ ਦੇ ਚੰਗੇ ਸਾਹਿਤ ਨੂੰ ਪੜ੍ਹਨਾ ਵੀ ਬਹੁਤ ਲੋੜੀਂਦਾ ਹੈ। ਇਸ ਲਈ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਇਕ ਤੋਂ ਵਧੇਰੇ ਭਾਸ਼ਾਵਾਂ ਸਿਖਣ ਅਤੇ ਪੜ੍ਹਨ ਦੀ ਯੋਗਤਾ ਹਾਸਿਲ ਕਰਨੀ ਚਾਹੀਦੀ ਹੈ। ਇਸ ਦੇ ਨਾਲ ਹੀ ਉਨ੍ਹਾਂ ਨੇ ਸਾਹਿਤ ਦੀ ਸਮਝ ਵਿਚ ਵਾਧਾ ਕਰਨ ਲਈ ਸਾਹਿਤ ਸਿਧਾਂਤ ਨਾਲ ਸੰਬੰਧਤ ਮੁਢਲੇ ਕਾਰਜਾਂ ਨੂੰ ਵੀ ਪੜ੍ਹਨ ਦੀ ਆਦਤ ਦਾ ਹਿੱਸਾ ਬਣਾਉਣ 'ਤੇ ਵਿਸ਼ੇਸ਼ ਬਲ ਦਿੱਤਾ। ਪ੍ਰੋਗਰਾਮ ਦੇ ਅੰਤ ਅੰਤ 'ਤੇ ਡਾ. ਰਮਨਪ੍ਰੀਤ ਕੌਰ ਨੇ ਧੰਨਵਾਦੀ ਮਤਾ ਪੇਸ਼ ਕੀਤਾ।

31st July – CUPB Dept. of Pharmaceutical Sciences & Natural Products organised an Invited Lecture by Dr Sonay Chankeshwara, Associate Principal Scientist, AstraZeneca, SWEDEN

Department of Pharmaceutical Sciences and Natural Products at Central University of Punjab organised an Invited Lecture on the topic “Adventures in Peptide Chemistry and in-vivo optical imaging: from bench to human”. The resource person of this event was Dr Sonay Chankeshwara, Associate Principal Scientist, AstraZeneca, SWEDEN.

At the start of the program, Dr Raj Kumar, HOD, Pharmaceutical Department, welcomed the gathering and introduced the resource person to the participants. He mentioned, Dr Sunay is an expert medicinal chemist with extensive experience of pre-clinical drug discovery and development. He brings a wealth of scientific expertise and knowledge to his credit with 30 research publications and more than 10 international patents in drug discovery and synthetic organic chemistry.



Prof Sonay explaining a PPT Slide

Dr Sonay in his lecture discussed the development of drug substances for optical molecular imaging, which has been successfully validated in Phase 0/I clinical trials for the detection of lung cancer (fibrosis) and infection in ICU patients. He also discussed diagnostic optical molecular imaging for lung cancer, fibrosis and infection.

Dr Sunay motivated young students to think differently and mentioned that out of box thinking is the need of the hour. He freely shared his ever-motivating ideas and future collaboration opportunities. This talk was praised by all the faculties present and was very much appreciated by the student of most of the departments present there.

9th August - CUPB Dept of Mathematics & Statistics organised an Invited lecture on Cosmological Models – Expanding Universe

Department of Mathematics & Statistics at Central University of Punjab Bathinda, organised an invited lecture on the topic "Cosmological Models - Expanding Universe". The keynote speaker of this session was Prof Ravi Kant Mishra from the Department of Mathematics, Sant Longowal Institute of Engineering and Technology, Sangrur. At the start of the programme, Dr Gauree Shanker, HOD Mathematics Department, CUPB, welcomed the audience and introduced Prof Mishra. In his talk, Prof. Mishra talked about the importance of the study of cosmological models and their applications in Mathematics, Physics and other real-life problems. He quotes many examples from the latest research papers and motivates young researchers to pursue research work in this area. He answered the questions of audiences very beautifully. Overall, his lecture was very informative, and one and all appreciated it.

15th August 2019 - Central University of Punjab Bathinda celebrated 73rd Independence Day

Central University of Punjab celebrated the 73rd Independence Day of India in its main campus at Village Ghudda, District Bathinda with a great deal of patriotic zeal, fervour and gaiety on 15th August 2019. At the start of the programme, Honourable Vice-Chancellor Prof. R.K. Kohli unfurled the National Flag. After that, the University Flag was hoisted in the main campus. After the



VC Prof RK Kohli taking gaurd of honour during Inspection of Parade

Flag Hoisting Ceremony, and Inspection of Parade, the Vice-Chancellor communicated Independence Day Greetings to all. During his keynote address, Prof Kohli mentioned that our country has a wealth of natural resources, which we should use judiciously. He highlighted "CUPB's Best Practices", which are appreciated by UGC. He motivated everyone to plant a tree to preserve our nature. The events that follow include a beautiful

piece of patriotic songs and poetry recitations by University Students. At this occasion, Prof. V.K. Garg, Dean Students Welfare energised students to act as a responsible citizen and work for the development of our country. After that, an astonishing dance performance by students enthralled the audience. Mr Kanwal Pal Singh, Controller of Examination & Registrar gave the vote of thanks. All the University students, teaching and non-teaching staff members, along with their families, attended this function.



VC Prof RK Kohli addressing the gathering



Group Photograph of CUPB Authorities with National Flag

1st to 16th August - CUPB NSS Wing observed Swachhhta Pakhwara

The NSS Wing of the Central University of Punjab successfully organised various activities under Swachhhta Pakhwara Programme from 1st to 16th August. Under this programme, different activities like swachhhta pledge, cleanliness drive, tree plantation, debate competition on the topic “Impact of Swachh Bharat Abhiyan” etc. were held. The objective of these activities was to spread awareness among youngsters regarding the importance of cleanliness of surroundings, open defecation free country



VC Prof RK Kohli Planting Tree Sapling in CUPB Main Campus

and nature conservation. In this programme, Honourable Vice-Chancellor Prof R.K. Kohli himself planted a tree in University’s Main Campus. He took forward MHRD’s scheme of “one student, one tree” to “one CUPB member, one tree” and mentioned, that every student, faculty and staff member should plant a tree. Dr Monisha Dhiman, Programme coordinator NSS Cell informed that, under this programme, various units of CUPB NSS Volunteers under the supervision of Programme Officers have planted approximately 1700 trees and sensitized thousands of persons regarding Swachh Bharat Mission of GOI.

25th August - Central University of Punjab’s Online Courses at UGC Swayam received massive response from students across the country

Central University of Punjab is the forerunner institute in the region, that is running two (2) new online courses on MHRD's Swayam Portal. UGC approves the quality of the content of these courses. Swayam is the free online education platform that provides various online courses from class IXth to Post Graduate Level. Last Year, CUPB faculty had designed full content for one (1) MOOCs Course on Swayam, and this year they have taken responsibility to host 2 New Online Courses on Swayam and develop its content. The names of these courses are "Solid & Hazardous Waste Management" and "Biostatistics & Mathematical Biology".

Honourable Vice-Chancellor Prof R.K. Kohli mentioned that our university is committed to share the best resources for MHRD's Swayam e-learning Initiative and support GOI to achieve three cardinal principals of our Education Policy, i.e. Access, Equality and Quality. He informed that at present, CUPB faculty is producing exclusive content of 2 MOOCs Courses and soon, our university will create content for many other online courses of UGC Swayam.

One of the most popular MOOCs course managed by CUPB Faculty on Swayam is Solid & Hazardous Waste Management Program. It is a 4 Credit Post Graduate Level Course and its duration is 15 weeks. Prof Vinod K Garg, Dean of Environment and Earth Sciences School at CUPB has developed the content for this course. Prof Garg is having more than 26 years of experience in teaching & research. He has completed projects for research grants worth Rs 13 Crore and has chaired major projects of ePG Paathshala of MHRD. More than 4000 students from across the country have been enrolled in this course so far. The other course is on Biostatistics & Mathematical Biology. It is a 3 Credit Post Graduate Level Course and its duration is 12-weeks. Dr Felix Bast, Assistant Professor, Department of Plant Sciences, CUPB has created content for this programme. So far, more than 1500 students from all over India have submitted their registration in this course.

The admissions in these courses are open till 30th August, and students can apply without any charge. Learners can also get formal certification after passing the course exams. For certification, they need to submit a fee of Rs 1000/- at the start. If the student gets more than 40 % marks 100 % fee will be refunded. These certificates can be used to get credits points across all Indian Universities as per UGC's Credit Transfer Policy. Students can check complete details on www.swayam.gov.in.

26th August - 486 Degrees Awarded during Fifth Convocation of Central University of Punjab

26th August, Bathinda: The Central University of Punjab organised its 5th Convocation on 26th August, Monday at its City Campus. A total of 486 students were conferred with Post Graduate / PhD degrees during this convocation. Among the candidates who passed during the 2018-19 academic year, 28 got their PhD Degrees, and 458 got Post Graduate Degrees in various disciplines. On this occasion, Gold Medals were presented to 26 best students, who delivered excellent performance in their different disciplines. Prof S.S. Johl, Honourable Chancellor, CUPB, presided over this ceremony. The chief guest of this ceremony was Prof Shekhar C Mande, Director-General, CSIR New Delhi and Secretary DSIR, GOI. Instead of the conventional black robe, the students, faculty and staff of CUPB wore white Khadi Kurta Pyjama / Saree along with stole as a Dress Code for this Programme.



Prof RK Kohli felicitating the honourable Chancellor Prof SS Johl

The convocation began with a formal academic procession and welcome address by Prof R.K. Kohli, Vice-Chancellor, CUPB. During his speech, Prof Kohli presented the University's Report. In his report, he highlighted the university's

achievements and best practices. He mentioned the university vision and mission is to create new knowledge and to uplift the standards of teaching & research through innovations. To achieve this aim, the university offers a wide range of instructional and research facilities across integrated and cross-disciplinary studies. He informed that CUPB has got the highest h index and has registered the best research output among the newly established Central Universities in the country. He added, CUPB has provided the best facilities and learning environment to students, which helped them to set new benchmarks in academics and research.

During his Presidential Address, honourable Chancellor Prof S.S. Johl congratulated pass outs of this premier central university. He mentioned that youngsters should have a scientific mindset and ability to distinguish between right and wrong. He reminded them to obey their fundamental duties and to always behave like a responsible citizen. He urged them to work not to compromise their self-respect for minor gains. He asserted, teachers are nation builders, and they should keep in mind the unique responsibility they have towards society.

The chief guest Prof Shekher C Mande congratulated the degree recipients and winners of gold medals. He appreciated the efforts of CUPB Vice-Chancellor for making this university as best newly established central university and expressed his hope, that soon, this university will be one of the top-notch international university. Addressing the students, he communicated, after completion of degrees youngsters should choose the professional field as per their interest. He encouraged youngsters to work on innovative ideas, as innovation will be the key to our country's economy. He added youngsters should develop a hunger for bringing positive impact in our society as they are the future of our country. He encouraged scholars to continue their research for the betterment of society. Towards the end, Prof V.K. Garg, Dean Student Welfare, thanked everyone for making this programme a success.

29th August - CUPB conducted Walkathon to mark MHRD's Fit India Movement on National Sports Day

To commemorate the birth anniversary of Major Dhyan Chand, Central University of Punjab organised different fitness activities on 29th August National Sports Day. On this occasion, a Walkathon Activity was conducted under MHRD's Fit India Movement. The route for Walkathon was from CUPB City campus to ITI Chowk and back to the university. Honourable Vice-Chancellor

Prof. R.K. Kohli flagged off the walkathon. Around 200 hundred students, faculty and staff members participated in this fitness programme.



VC Prof RK Kohli giving Flag Off to the CUPB Walkathon

At the start, participants took the fitness pledge. CUPB Vice-Chancellor Prof Kohli appreciated the student's participation in this programme. He mentioned that CUPB students are full of energy, and their better fitness standards will support them to perform better in personal and professional life. After the Flag Off, Prof Kohli participated in Walkathon along with CUPB faculty and staff members to spread awareness

for Fit India. At the end of the event, refreshment was given to all the participants.

2nd to 13th September - CUPB TLC organised two-week National Workshop on Environmental Management

Teaching Learning Centre (TLC) of Central University of Punjab Bathinda (CUPB) successfully culminated two-week National Level Interdisciplinary Workshop on “Environmental Management”, sponsored by MHRD. This program was conducted under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, from 2nd to 13th Sept. Its objective is to sensitise & engage youngsters to adopt sustainable environmental practices through capacity building of faculty members. Honourable Vice-Chancellor Prof R.K. Kohli presided over the inaugural session and valedictory session of this workshop. The chief guest of this ceremony was Sh. Sengupta, Former Rajya Sabha member from Kolkata. Prof Bhagwan Singh from Kurukshetra University graced the event as a special guest. Total of 22 faculty members from different institutes participated in this programme.



Group Picture of participants of TLC Workshop on Environmental Science

During the valedictory session, Dr Vinod Arya, the TLC coordinator, presented a report of TLC Programs and its impact. Dr Yogalakshmi K.N., Program In-charge, shared the Program Summary Report. She asserted, during this

workshop, eminent scientists and academicians delivered lectures & spread awareness on various

aspects of environmental management. Important topics covered during this workshop were the application of satellites in environmental management, health impacts of agricultural crop residue burning, environmental application of nanotechnology & transgenic plants, natural resource management, global environmental issues, constitutional laws & environmental protection, the national green tribunal, and hazardous waste Management. She informed that special lectures on curriculum development & fake news, and a training program on Disaster Management by NDRF, were also organised during this workshop. As a part of the workshop, participants were also taken to Shashi Energies Biogas Plant at Tohana Haryana, to provide them practical experience about "waste to energy" plant.

In his presidential address, Honourable Vice Chancellor Prof. R.K. Kohli congratulated the whole team of CUPB TLC for successfully conducting this workshop. He discussed top environmental challenges at Global Level, National Level, and Local Level. TLC coordinator Prof VK Garg encouraged young faculty members to manage ecological resources with honesty and motivated them to contribute towards the environment by spreading awareness of sustainable environmental management techniques. On the completion of the program, participants were awarded certificates. Towards the end, Dr Yogalakshmi K.N. gave the vote of thanks.

3rd September - CUPB conducted a special Lecture of Amb. (Retd.) Dr Balakrishnan under MEA GOI Distinguished Lecture Series

Central University of Punjab organised a special lecture by Amb. (Retd.) B. Balakrishnan on the topic "Changing Dynamics of India's Foreign Policy– the Science and Technology Dimension". This talk was held under the 'Distinguished Lecture Series' of the Ministry of External Affairs (MEA), GOI, on 2nd Sept at CUPB City Campus. The resource person of this lecture was Ambassador (Retd.) Dr Bhaskar Balakrishnan, who has worked as an Indian diplomat for over 30 years and has served as an ambassador of India to Greece and Cuba Honourable Vice-Chancellor Prof R.K. Kohli along with faculty members and students from different departments, attended this programme.

At the start, Prof. Ramakrishna Wusirika, Dean School of International Studies, welcomed the participants and introduced the resource person. During his lecture, Dr Balakrishnan shared a presentation of Changing Dimensions of India's Foreign Policy related to Science and Technology (S&T) Dimension. He talked about the role of S&T in building diplomatic relations with other countries. He highlighted essential Areas of S&T in



Rtd Amb Dr Balakrishnan addressing the gathering

Foreign Policy and mentioned that MEA has been using science diplomacy for capacity building of National S&T Institutions. While addressing the regional and international challenges, Dr Balakrishnan discussed the role of diplomacy for science in international Mega Science Projects collaborations that enable us to access to cutting edge scientific research with relatively low investment. He talked about the GOI initiatives for building S&T Ecosystem. Dr Balakrishnan also discussed India's position in areas of Nuclear Technology, Climate Change, International Solar Alliance, ICT, Life Sciences, Space Challenges, and Managing the Oceans. He also highlighted the strengths & weaknesses of the government's R&D policy in general and funds

allocation for various R&D projects in particular. He concluded his lecture with a message that developing countries need to integrate S&T into their diplomacy, and diplomacy for science can be a powerful tool to achieve Sustainable Development Goals. After the Lecture, Prof. V.K. Garg, Dean Student Welfare, felicitated the resource person and Dr Bawa Singh gave the vote of thanks.

12th September - CUPB organised Training Program on Disaster Management

Teaching Learning Center at Central University of Punjab Bathinda (CUPB) organised a Training Program on Disaster Management with National Disaster Response Force (NDRF). CUPB TLC conducted this program as a part of the two-week National Inter-disciplinary Workshop on Environmental Management. Inspector Anil Kumar Yadav and 28 Jawans of 7th Bn NDRF Bathinda visited CUPB to provide training disaster management. Honourable Vice-Chancellor Prof R.K. Kohli, along with Faculty and students, attended this program.



NDRF Team presenting Emergency Move for Earth Quack

operations at different states during different disasters. During the programme, various search and rescue equipment, communication equipment and improvised rafts were exhibited for generating awareness among youngsters.

Prof Kohli appreciated efforts of NDRF Team for spreading awareness on Disaster Management Acts. He mentioned that faculty & students should serve as messengers to promote safety and disaster risk reduction techniques. Dr Yogalakshmi K N thanked everyone for making this program a success.

At the start, Dr Vinod Arya, Coordinator TLC welcomed the NDRF Team and introduced the theme of program & Its necessity. After this, Inspector Anil Yadav briefed about the roles, functions and mandate of NDRF. He, along with NDRF Jawans, demonstrated acts on first aid, fire exit, fire fighting, earthquake and flood preparedness and rescue drills. Inspector Yadav educated participants on the innovative small floating units used by

NDRF to save victims during flood hazard. He also shared his experiences of rescue

14 सितम्बर 2019 से 30 सितम्बर 2019 - पंजाब केन्द्रीय विश्वविद्यालय बठिंडा में हिन्दी पखवाड़ा 2019 संपन्न

पंजाब केन्द्रीय विश्वविद्यालय, बठिंडा में राजभाषा कार्यान्वयन समिति के तत्वावधान में दिनांक 14 सितम्बर 2019 से 30 सितम्बर 2019 तक हिन्दी पखवाड़ा का आयोजन किया गया। दिनांक 30 सितम्बर 2019 को समापन समारोह पर एक विशेष कार्यक्रम का आयोजन किया गया जिसमें पंजाब विश्वविद्यालय चंडीगढ़ से हिन्दी विभाग के प्रोफेसर बैजनाथ प्रसाद मुख्य वक्ता के रूप में उपस्थित हुए।

कार्यक्रम के आरम्भ में हिन्दी पखवाड़ा के संयोजक और हिन्दी विभाग के प्रभारी डॉ. राजेन्द्र कुमार सेन ने औपचारिक अभिनंदन प्रस्तुत करते हुए बताया कि पंजाब केन्द्रीय विश्वविद्यालय में प्रत्येक वर्ष हिन्दी दिवस और हिन्दी पखवाड़ा बहुत ही उत्साहपूर्वक ढंग से मनाया जाता है। उन्होंने हिन्दी पखवाड़ा 2019 की रिपोर्ट प्रस्तुत करते हुए बताया कि इस बार हिन्दी पखवाड़ा के अंतर्गत कविता पाठ प्रतियोगिता, निबंध लेखन प्रतियोगिता, गीत गायन प्रतियोगिता, अनुवाद प्रतियोगिता, भाषण प्रतियोगिता, कहानी लेखन प्रतियोगिता, कविता लेखन प्रतियोगिता, प्रश्नोत्तरी प्रतियोगिता का आयोजन किया गया वहीं अहिन्दी भाषी विद्यार्थियों एवं कर्मचारियों के लिए भी प्रतियोगिताओं का आयोजन किया गया। इन गतिविधियों में लगभग 200 विद्यार्थियों ने भाग लिया।

मुख्या वक्ता प्रोफेसर बैजनाथ प्रसाद ने "राजकाज में हिन्दी का प्रयोग: चुनौतियाँ एवं संभावनाएं" विषय पर बोलते हुए कहा कि हिन्दी भाषा में कामकाज की अनंत संभावनाएं उपलब्ध हैं। जो लोग हिन्दी में कार्य को मुश्किल कहकर करने से मना करते हैं वे अपने अज्ञान के कारण ऐसा करते हैं। आधुनिक भारतीय आर्य भाषाओं के साथ हिन्दी की समानता है जिसकारण इन प्रदेशों में हिंदी को समझने में कोई दिक्कत नहीं है। भारतीय संविधान का तीन भाषा सूत्र हिन्दी तथा भारतीय भाषाओं के विकास का सूत्र है। राजकाज में हिन्दी के अनुपालन से भारतीय भाषाओं के विकास मार्ग में कोई रुकावट पैदा नहीं होगी।

व्यख्यान के पश्चात पुरस्कार वितरण समारोह आयोजित हुआ जिसमें मुख्य वक्ता तथा कार्यक्रम के अध्यक्ष प्रोफेसर हरपाल सिंह पन्नू ने विजेताओं को पुरस्कार प्रदान किए। कविता पाठ प्रतियोगिता में अशोक (प्रथम), सुनैना (द्वितीय), अजय कुमार एवं रवि रंजन (तृतीय) तथा मनीष सिंह (सांत्वना) ने पुरस्कार प्राप्त किए। गीत गायन प्रतियोगिता में सुनैना (प्रथम), ज्योति चौबे (द्वितीय), अजय कुमार (तृतीय) तथा कविता कुमारी (सांत्वना) ने पुरस्कार प्राप्त किए। भाषण प्रतियोगिता में लोयेसा सिंह (प्रथम), दीपक (द्वितीय), अभिषेक झा (तृतीय) मोहम्मद राशिद (सांत्वना) ने पुरस्कार प्राप्त किए। निबंध लेखन प्रतियोगिता में रवीन्द्र स्वामी (प्रथम), अभिषेक (द्वितीय), कँवर भान गोदारा (तृतीय) तथा पूजा रानी (सांत्वना) ने पुरस्कार प्राप्त किये। कहानी लेखन प्रतियोगिता में नितिन (प्रथम),



Group Photograph of Hindi Pakhwara Prize Winners

शम्भूनाथ मांझी (द्वितीय) मनीष सिंग (तृतीय) एवं रवि देव मीना (सांत्वना) ने पुरस्कार प्राप्त किए। कविता लेखन में प्रजा चतुर्वेदी (प्रथम), मुकेश कुमार (द्वितीय), रवि रंजन कुमार (तृतीय) तथा प्रिय उपाध्याय (सांत्वना) ने पुरस्कार प्राप्त किए। अनुवाद प्रतियोगिता में निखिल जांगिड (प्रथम), उषा शर्मा (द्वितीय), पूजा रानी (तृतीय) तथा सुप्रिया कुमारी

(सांत्वना) ने पुरस्कार प्राप्त किए। गैर शैक्षणिक कर्मचारी वर्ग में सुरेश कुमार (प्रथम), सुधांशु चौधरी (द्वितीय), राजन (तृतीय) तथा स्माइली (सांत्वना) ने पुरस्कार प्राप्त किए। वहीं गैर हिन्दी क्षेत्रों से लोयेसा सिंह (प्रथम), अब्दुल रुउफ भट्ट (द्वितीय), परविंदर कौर (तृतीय) तथा निराकार स्वयं (सांत्वना) पुरस्कार प्राप्त किए। प्रश्नोत्तरी में प्रेमचंद टीम (अजय कुमार, मनीष सिंह, मोनिका जिंदल, विद्वान शेखर) ने प्रथम, निराला टीम (उषा शर्मा, चरणप्रीत कौर, नितिन, शम्भुनाथ मांझी) ने द्वितीय तथा मीराबाई टीम (गगनदीप, सुनैना, सुप्रिया कुमारी, अमित सहारण (तृतीय) पुरस्कार प्राप्त किए।

प्रोफेसर हरपाल सिंह पन्नू ने अध्यक्षीय संबोधन में हिन्दी पखवाड़ा के सफल आयोजन की बधाई देते हुए हिन्दी के कार्यान्वयन की बात कही। उन्होंने हिन्दी के सफल प्रयोग से सम्बन्धित उदाहरण देते हुए हिन्दी के सफल कार्यान्वयन की उम्मीद प्रकट की। इस कार्यक्रम में विश्वविद्यालय के अधिकारी, कर्मचारी, अध्यापक, शोधार्थी, विद्यार्थी एवं नगर से हिन्दी के प्रतिष्ठित जन उपस्थित थे।

18th September – CUPB Dept. of Human Genetics & Molecular Medicine organised Invited Lecture on "Awareness of Diabetes, and it's management" by Dr Sushil Kotru

Department of Human Genetics and Molecular Medicine, Central University of Punjab organised an Invited Lecture on "Awareness of Diabetes, and it's management". The resource person of this program was Dr Sushil Kotru HoD MEDOC Department, Max Superspecialiy Hospital Bathinda. Dean Academic Affairs Prof P Ramarao, CUPB Faculty, Staff members and students from different departments attended this lecture.

In the beginning, Prof Anjana Munshi, Dean, School of Health Sciences welcomed the guests and introduced the program theme. In his lecture, Dr Sushil Kotru mentioned that Diabetes is a disease that affects our body's ability to use or produce insulin and increases the blood glucose level. He spoke on different types of diabetes, i.e. Type 1 and Type 2 Diabetes. He said everyone should remember six main symptoms of diabetes-like Extreme thirst, Frequent Urination, Blurry Vision, Extreme Hunger, Increased Tiredness and Unusual weight loss. He stressed, in case of detection of any of these symptoms, we should consult the doctor, and get our blood sugar & blood pressure test done without any delay.



Dr Sushil and Dr Shweta addressing the gathering

After this, Dr Sushil talked about the latest insulin aids for diabetic patients. He discussed treatment methodology for Hypoglycemia, a disease which is caused due to low blood sugar. Dr Sushil stated genetic factors, obesity and sedentary lifestyle are the leading causes of diabetes. To minimise the risk of Diabetes, he advised participants to do regular exercise, take low-calorie fibre-rich diet and regularly check their blood sugar level. Post Lecture, Dr Sushil and his team gave a satisfactory reply to the participant's queries during the question-answer session.

26th September - Central University of Punjab got the First Position in 15th National Youth Parliament Competition

The Central University of Punjab got the first position in India in the 15th National Youth Parliament Competition organised under the auspices of Ministry of Parliamentary Affairs. CUPB has maintained its legacy of setting new benchmarks with impactful performance in National Youth Parliament Competitions every year, and is scaling new heights under the guidance of honourable Vice-Chancellor Prof R.K. Kohli. More than 50 teams of 55 students each from different colleges & universities across the nation have participated in this competition. As the winner of this competition, CUPB Students will present an exceptional performance in Parliament of India during the award ceremony of 15th National Youth Parliament Competition on 27th September 2019.

Vice-Chancellor Prof R.K. Kohli, & Dean Student Welfare Prof V.K. Garg congratulated the students who have participated in this competition. Dr Tarun Arora, Associate Dean Student Welfare & Program Convener mentioned that the credit for winning this National Championship goes to CUPB high-tech research facilities and quality teaching provided by highly qualified faculty members. He informed that 55 students from CUPB participated in this competition and successfully created the ambience of actual Parliamentary House during the Final National Level Round held on 2nd September at CUPB Campus, Bathinda. He told, CUPB Team familiarised the youth with practices and the procedure of our parliamentary institution by performing the role of Prime Minister, Cabinet Minister, Speaker of House, Leader of Opposition and other members of parliament.



CUPB Students performing in National Youth Parliament Final Round

He informed that CUPB students effectively presented different proceedings of parliament like Oath taking, Obituary, Introduction of New Ministers, Question Hour, Zero Hour, Breach of Privilege, Papers laid, Message from Upper House, Welcoming Foreign Delegates,

Calling Attention Motion, Short duration discussion, and Legislative

Process. He added, the performance of the final round was judged by the jury of Ex-MP Rajya Sabha Mr Bratin Sengupta, Deputy Secretary Mr AB Acharya, Under Secretary Mr Rajan Attri, and Dr Avon K Vaid.

26th September - CUPB CIL organised One-Day Workshop on Water Quality and Filtration Practices in Laboratory

The Central Instrumentation Laboratory (CIL), Central University of Punjab (CUPB) organised a one-day workshop on “Water Quality and Filtration Practices in Laboratory ” on 26th September at its city campus. The program was organised in collaboration with Klorofil Scientific. The objective of this workshop was to spread awareness about the quality of water and essential filtration systems to be used in laboratories during various analytical procedures. Faculty Members, Research Scholars and Students from different departments actively participated in this program.



Resource Person presenting a slide to participants

In the beginning, Dr. N Babu, Convener, CIL, briefed about the hi-end sophisticated equipment facilities available at CIL and its achievements. It was followed by an address by Dr Raj Kumar, CIL In-charge, who talked about the importance of instrumentation in research activities from the biological and analytical perspectives. In his keynote address, Mr Sudhir Kant from Klorofil Scientific mentioned, the water quality and filtration practices is the prime concern in analytical procedures including GC/LC-MS, ICP-MS, AAS and other laboratory practices. Mr. SMrender Kumar from FOSS India shared the newer analytical techniques of NIR, its application in various research activities and analytical quality control. Post lectures, a demonstration of Water Purifications Systems, NIR Instrument and other equipment was given by from FOSS India, Pall Corporation and Evoqua Water Technologies. Towards the end, participants were awarded with participation certificates.

27th September - CUPB NSS Wing organised NSS Day Celebrations

To mark the NSS Day, the NSS Wing of the Central University of Punjab conducted a special program on 27th September 2019 at their campus. The main activities of this program were Rangoli Competition, Quiz Competition, Group Discussion and Cultural Performances. The special guest of the cultural program was Prof P Ramarao, Dean Academic Affairs and Sh. Kanwal Pal Singh, Registrar CUPB. Around 150 students from different departments participated in these competitions.

Celebrations begin with the welcome address of Dr Monisha Dhiman, NSS Coordinator. She briefed the program schedule in her speech to the participants. After that, Rangoli Competition was organised on Environment Conservation theme in which 18 students showcased their art. Total 16 teams competed with each other in quiz competition and showcased their General Knowledge level. After this, 12 students participated in Group Discussion Competition and shared their views on the Challenges of Drug Abuse.

The special attraction of CUPB NSS Celebrations was Cultural Program, in which NSS Volunteers and Students from different states in which they presented beautiful folk dance & cultural performances. On this occasion, NSS Volunteers, CUPB Faculty, Staff members and students were present.



CUPB Students attending NSS Day Celebrations Programme



Prof P Ramarao addressing the gathering during NSS Day Celebrations

28th September - Central University of Punjab students awarded with Winners Trophy during the prize distribution ceremony of 15th National Youth Parliament Competition

The Central University of Punjab, Bathinda (CUPB) lifted running Winners Trophy during the Prize Distribution Function of 15th National Youth Parliamentary Competition held on 27th of September, 2019 at GMC Balayogi Auditorium, Parliament Library Building, New Delhi. This program was organised under their auspices of the Ministry of Parliamentary Affairs. During this event, CUPB team was awarded Running Parliamentary Shield & Trophy for standing first in the competition. Shri Arjun Ram Meghwal, Hon'ble Minister of State for Parliamentary Affairs presided over the function and distributed the prizes to the prize-winning students and institutions for their meritorious performance in the Competition. On this occasion, students of the Central University of Punjab, Bhatinda who stood first in the Competition, presented a short sitting of "Youth Parliament".

Key dignitaries who participated & graced this the ceremony were: MP Sh Desh Deepak Verma, Secretary-General Rajya Sabha, Dr R.S. Shukla, Secretary, M/o Parliamentary Affairs, Sh Mukul Pandey, Additional Secretary, Rajya Sabha, Dr Abba Gani Ramu, Joint Secretary, M/o External Affairs, Sh. Surendra Tripathi, Joint Secretary, Rajya Sabha, Sh. Jagmohan Sundriyal, Joint Secretary, Rajya Sabha, Prof (Dr.) R.K. Kohli Vice-Chancellor, CUPB and Dr Satya Prakash, Joint Secretary, M/o Parliamentary Affairs.



CUPB Students performing Mock Parliament at the Award Ceremony of 15th NYP in Parliament House

CUPB students awarded with Winners Trophy during National Youth Parliament Competition

While awarding the Winner's Trophy to CUPB students, Shri Arjun Ram Meghwal appreciated their efforts in Youth Parliament Competition & complimented them for choosing relevant subjects for discussion in their presentation. Sh Desh Deepak Verma congratulated team CUPB for impeccable performance in youth parliament competition. He praised the whole CUPB team for conceptualising and formulating the speech of each member as per parliamentary standards. While addressing the audience, he mentioned, National Youth Parliament program helps the parliament to connect with people and spread awareness regarding parliamentary procedures among them. Prof R.K. Kohli, Vice-Chancellor, CUPB, thanked the Ministry of Parliamentary Affairs for successfully running parliamentary systems and providing truth and valuable content on Lak Sabha and Rajya Sabha Televisions. He mentioned CUPB students had set the new benchmark in Youth Parliament program and future; they will play an essential role in the smooth implementation of parliamentary procedures and development of our nation.

29th September - CUPB organised “Walk & Talk for a Healthy Heart” Program

On World Heart Day, Central University of Punjab, Bathinda organised a program “Walk & Talk for a Healthy Heart”. CUPB organised this program under MHRD’s Fir India Movement Campaign. During this program, a walkathon, different sports activities and a Doctor Talk were held to spread health awareness. Prof P Ramarao, Dean Academic Affairs and Dr Antriksh Gupta, Medical Officer, graced the event as chief guest and special guest.



Prof P Ramarao & Dr Antriksh sharing Healthy Heart Tips with students

In the beginning, Prof P Ramarao flagged off the Walkathon. More than 130 persons participated in this walkathon. After this, Dr Antriksh Gupta delivered the lecture on a healthy heart. He suggested students should do regular exercise and take a low-calorie diet to stay healthy. He also advised youngsters to not to ignore minor health problems like chest pain, upper body pain, sweating, nausea, fatigue, trouble

breathing, as these may be the primary symptom of heart disease. Prof. P. Ramarao, recommended students to avoid fast food, as the refined oil used in their preparation are of poor quality, which causes disease. Mr Gagandeep, Sports Officer, appealed students to spare 1 hour daily for physical activity to stay fit.

1st October - CUPB organized a seminar on "Thinking about Baba Nanak in 2019"

To commemorate the 550th birth celebrations of Shri. Guru Nanak Dev Ji, Central University of Punjab organized a seminar on "Thinking about Baba Nanak in 2019". This program was jointly conducted by Baba Satguru Ram Singh Ji Chair, Shri Guru Gobind Singh Ji Chair and Department of History, This resource person of this lecture was Dr. Gurinder Singh Mann, Director, Global Institute for Sikh Studies, New York. CUPB Faculty members, research scholars and students from different departments attended this program.

Chair Prof. Kuldeep Singh, Baba Satguru Ram Singh Ji Chair, formally welcomed the keynote speaker. He gave a brief introduction of Dr G.S. Mann's academic achievements. While addressing the audience, Mr. Mann focused upon the study of the original sources particularly the contemporary ones, to study and understand Baba Nanak & his philosophy. He stressed upon the right interpretation of the words in those sources. He emphasized on the the need to rethink on Baba Nanak from different perspectives in order to realize the relevance of his preaching in the present century. Chair Prof Harpal Singh Pannu, Shri Guru Gobind Singh Ji Chair, gave the formal vote of thanks.



Dr. G.S. Mann addressing the gathering during Seminar on “Thinking about Baba Nanak in 2019”

1st October - CUPB NSS Wing organised “Swachhta hi Seva” Program on 150th Birth Anniversary of Mahatama Gandhi

To commemorate 150th Birth Anniversary of Mahatama Gandhi ji., the Central University of Punjab NSS Wing organized “Swachhta hi Seva” program to pay a tribute to Father of Nation who believed that “Cleanliness is Next to Godliness”. Under this program CUPB, NSS Wing conducted awareness campaign to limit the use of single-use plastic from 11th September to 1st October 2019. During the concluding ceremony, a special event was organised to remember & spread the philosophy of Mahatama Gandhi ji. The guests of this program were Mr Narinder K Bassi, Social Worker and Mr Kulwinder Singh, Assistant Director, Youth Services Bathinda. University faculty, staff and more than 200 students participated in this closing ceremony.

Dedicated to the father of the nation Mahatma Gandhi ji, the event commenced with the mesmerizing performances on Mahatma ke Bhajan “Raghupati Raghav Rajaram” by Mr Gobind and team. After this Ms Pooja Nanda and team gave an enthralling performance on famous bhajan “Vaishnav Jana To” in eight Indian Languages: Hindi, Assamese, Odia, Bengali, Malayalam, Tamil, Telugu and Gujarati.

Social Worker Mr Narinder K Bassi gave a brief overview of the harmful effects of single-use plastic. Mr Kulwinder Singh presented an overview of Swachhta hi Sewa and NSS. After this, Prof P Ramarao, Dean Academic Affairs, sensitised the youngsters on the Swachhta hi Sewa,



CUPB NSS Volunteers appeal to use Jute / Cotton Bags

program and asked everyone to join mass cleanliness drive organized by the university and contribute to the Swachh Bharat and Swasth Bharat. After this, Dean Student Welfare Prof V.K. Garg administered “Swachhta Pledge” to the participants. Mr Kanwal Pal Singh, COE& Registrar, CUPB, thanked participants for making this event a success.

7th October - CUPB TLC successfully organised one-week National Workshop on “Teaching of Punjabi Language & Literature: Problems & Prospects”

The Teaching Learning Centre (TLC) at the Central University of Punjab, successfully organised MHRD sponsored one-week National Workshop on the “Teaching of Punjabi Language & Literature: Problems & Prospects” from 1st to 5th October. This workshop was held under MHRD’s Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching. The objective of this workshop was to enhance the teaching-learning potential of participants by studying the content, pedagogies & changing dynamics of the teaching of Punjabi Language and Literature. More than 40 faculty members from 32 different institutes participated in this programme.

Honourable Vice-Chancellor Prof. R.K. Kohli presided over the inaugural session of this workshop. He mentioned, UGC’s online MOOCs Courses on various subjects have provided the opportunity to learn new things, and Punjabi teachers should think in this direction as well. TLC Director, Prof V.K. Garg, encouraged young faculty members to develop new interactive e-learning platforms of Punjabi

language with the help of latest technology. The chief guest of the opening ceremony was Retd. Prof. Jagbir Singh from Delhi University.

During this workshop, well-known academicians from Punjabi literature shared their views with the participants on different topics related to Punjabi language & literature. On the first day, Prof Jagbir Singh and Prof. Ishwar Dyal Gaur gave a lecture on “Medieval Punjabi Literature”, and “Punjabi Sufi & Kissa Sahit” respectively. On the second day, Prof. Dhanwant Kaur and Prof. Surjit Singh took sessions on Short Story and Novel. On the third day, Prof. Rajinder Pal Brar and Prof. Paramjit



Prof Jagbir Singh addressing the gathering during Inaugral Session of Workshop

Singh Dhingra took sessions on the teaching of Poetry and Punjabi Language. On Fourth and Fifth day, Prof. Satish Kumar Verma, Prof. Buta Singh Brar and Dr Darya gave lectures on Punjabi Theatre, Punjabi Grammar, and Folklore respectively.

The chief guest of Valedictory Session was Prof. P.S. Ramana, Former Prof. and Head, Punjabi University Regional Centre, Bathinda. He congratulated the CUPB Punjabi Department Team led by Dr Amandeep Singh and Dr. Ramanpreet Kaur for successfully executing this Workshop. During this session, participants shared their feedback and learning from this workshop.

15th October - CUPB Institution's Innovation Council celebrated Innovation Day

Under the guidelines of MHRD, the Institution's Innovation Council (IIC) established at the Central University of Punjab celebrated Innovation Day on 15th October 2019. On this occasion, Poster Making & Slogan Writing Competitions were organised on the topic “Innovation and You”. The chief guest of this activity was Dean Student Welfare, Prof V.K. Garg. A total of 47 students participated in this competition.

On this occasion, Prof V.K. Garg stated that Innovation Day is celebrated to remember the birth anniversary of the former president of India Dr A.P.J Abdul Kalam. He appreciated the creativity of participants and inspired everyone to implement their innovative ideas by citing examples of successful start-up companies.

Prof S.K. Bawa, President, CUPB Institution's Innovation Council, mentioned that innovation has been the goal and a mission of CUPB, and our faculty and students are committed to formulate innovative solutions for various problems. She added CUPB IIC would continue to host many activities in future, to ignite the spirit of innovation among students.

During this competition, participants portrayed beautiful artwork. In poster making competition, the creative of Ms Riya & Ms Pallavi ranked at



Group Photograph of Competition Winners and CUPB Faculty Members

first position, Ms Sukhchain & Ms Priyanka got the second position, and Ms Ashmita & Ms Khushi stood at third position. Apart from this, Mr Own Ali, Mr Ketan Pajni and Mr Krishna Vemuru bagged first, second and third position in Slogan Writing Contest.

18th October - CUPB TLC organized one-week interdisciplinary National Workshop on Contemporary Issues and Approaches in Social Science Research

The Teaching Learning Centre (TLC) at the Central University of Punjab successfully conducted one-week National level interdisciplinary Workshop on the “Contemporary Issues and Approaches in Social Science Research” from 14th to 18th October. This workshop was sponsored by MHRD and was organised under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching. The objectives of this workshop was to enhance the teaching-learning potential of Social Science faculty. The keynote speakers of Inaugural Session and Valedictory Ceremony were Prof Rajesh Gill, Panjab University and Prof R.K. Kohli, Honourable Vice-Chancellor CUPB, respectively. Around 36 faculty members from different institutes of Punjab, Gujarat, UP, Rajasthan, Utrakhhand, Karnataka, Bihar, Nagaland and West Bengal participated in this programme.

The resource persons of this workshop were eminent personalities from Social Science discipline who shared their experiences with participants. On the first day, Prof Rajesh Gill (PU), and Dr Rajesh Kumar (GNDU) gave lectures on Contemporary Challenges in Social Science Research (SSR), and Contextualization of SSR in International Relations, respectively. On the second day, Dr Bawa Singh (CUPB), Dr PS Romana (Punjabi University) and Prof P Ramarao (CUPB) shared their thoughts on language diplomacy in SSR and changing the face of research of social sciences in network societies. On the third day, Dr Dhanraj Sharma (CUPB), Dr Vinod Chaudhary (PU), and Dr Shamshir Dhillon (CUPB) took a session on the relevance of MOOCs in SSR, SSR in the era of artificial intelligence, and psychology in SSR respectively. On fourth and fifth day Dr Kiran Singh (CUPB), Dr Ajay Ranga (PU), Dr Rajinder Kumar (CUPB), and Prof VK Garg (CUPB) talked about the relevance of Geographical Information Systems in Socio-Environment Research, Legal aspects of social transformation in India, Contemporary Discourses in SSR, Digital Initiatives in SSR respectively.

During the Valedictory Session, Dr Naresh Singla from organising team presented the programme summary report. TLC Director Prof VK Garg mentioned that this workshop has provided new insights in the field of SSR, and also put a light of future opportunities for the collaboration of SSR with other disciplines. Vice-Chancellor Prof RK Kohl congratulated the organising team for successfully executing 13th TLC workshop. During this session, participants shared their feedback. TLC Coordinator, Dr Vinod Arya thanked everyone for making this programme a success.



Group Photograph of Participants and Organizing Team Members

21st October - CUPB conducted awareness seminar on Jagriti Yatra Sustainable Enterprise Award - SEA 2019

Under the patronage of Vice-Chancellor Prof R.K. Kohli, the Central University of Punjab in association with Jagriti Yatra, has conducted an awareness seminar to Sustainable Enterprise Award (SEA) 2019. The programme was organised by Jagriti Yatra Foundation and was supported by Coca Cola India. During this seminar, organisers invite youngsters to propose sustainable entrepreneurial ideas in the field of water, agriculture, and recycling. The winners of SEA will be awarded Trophy, monetary benefits and a special waiver for the 12th Edition of the World's largest entrepreneur train journey i.e. Jagriti Yatra 2019. The Keynote Speaker of this event were Mr Naveen from Jagriti Yatra Foundation, trophy. Around 200 students from CUPB, 20 Students from Punjabi University Regional Centre and 10 students from SSD Professional College registered and participated in this programme.

The program started with the welcome address by Dr Tarun Arora, Associate Dean Student Welfare, CUPB. After this, Keynote Speaker, Mr Naveen informed that, the vision of Jagriti Yatra is to build India through enterprise, and its aim is to inspire youngsters of small towns and villages to unleash a movement of enterprise-led development. He briefed the details of Jagriti Yatra The programme, in which a total of 500 youngsters with innovative ideas will be selected from thousands of applicants from smaller towns and villages across India. He added, these students will go on for 15 days trip and do 8000 km long the national train journey, in which they will visit 12 destinations and get an opportunity to meet with 15 role models. He encouraged participants to apply their nominations online on the website <http://www.jagriti.org/sea>.



Prof VK Garg sharing case studies of Innovative entrepreneurial brands

Vice-Chancellor Prof R.K. Kohli appreciated the efforts of Jagriti Yatra Foundation. He mentioned

entrepreneurship is very important for the development of our country and youngsters should come forward with innovative ideas for sustainable development in water, agriculture and recycling sectors. Dean Student Welfare Prof V.K. Garg briefed about the difference between Innovation, Invention and Creativity. He also shared case studies related to Innovations led Entrepreneurial Brands and talked about innovative popular products.

16th October - CUPB Department of Biochemistry Research Scholars & Faculty Members, leave a mark in research programmes of National and International Immunological Societies

Faculty and Research Scholars of the Department of Biochemistry at Central University of Punjab are leaving a mark with excellent performance in the research programmes of National and International Immunological Societies like Indian Immunology Society (IIS), International Union of Immunological Societies (IUIS) and Federation of Immunological Societies of Asia-Oceania (FIMSA). Recently, Ms Priyanka Madan, PhD Student, and Dr Manju Jain, Assistant Professor,

CUPB, presented their research papers in IUIS-FIMSA-IIS course on “Basic and Advanced Translational Immunology”, and have got “bursary award” from FIMSA and IIS, respectively.



Dr Manju Jain and Ms Priyanka Madan (PhD Student) attending IUIS-FIMSA-IIS Programme on “Basic and Advanced Translational Immunology”

Honourable Vice-Chancellor, Prof R.K. Kohli, congratulated them for this achievement and encouraged them to set new benchmarks in the area of immunology research. Dr. Malkhey Verma, HoD, Department of Biochemistry informed that Dr Manju Jain and Ms Priyanka Madan had presented their research paper on “Host-Immunology and Leishmaniasis: Beyond Periphery”, and “Understanding the dysregulation of T cells in the etiology of Psoriasis: An Autoimmune Disease” during IUIS-FIMSA-IIS course on “Basic and Advanced Translational Immunology” held from 12-16 October at Rajasthan University of Health Sciences Jaipur. He asserted, in

earlier times, the faculty and research scholars of our department have received travel grants to attend international research workshops like Workshop on “Molecular Biology of Leishmania”, International Conference, IEC-VL, and IIS-Immunocon etc, and won awards for innovative work presented at different international platforms.

Dr Manju Jain added, that this course has provided us with an opportunity to meet with some great researchers and teachers in the field of immunology in India and abroad, and helped in developing new scientific collaborations. Ms Priyanka expressed her happiness and said such achievement motivates us to strive for excellence in our field.

31st October - Central University of Punjab celebrated “National Unity Day” & organised “Walk for Unity”

To spread the message of unified Bharat, the Student Welfare Cell and NSS Wing of Central University of Punjab celebrated National Unity Day & organised “Walk for Unity” on 31st October 2019. The programme was organised to commemorate the 144th Birth Anniversary of Sardar Vallabhbai Patel and to pay a tribute to him for his efforts made to unite India. Sh. KP Singh, COE & Registrar CUPB, along with faculty and students participated in this programme.

The programme started with the Walk for Unity, in which more than 150 students & faculty members walked together around the campus. After this, all the participants took the Integrity Pledge & Vigilance Awareness



Group Photograph of CUPB students and faculty members at the start of Unity Walk

Pledge in front of University Authorities. Sh. KP Singh, COE & Registrar CUPB congratulated faculty members and students for the successful execution of the event.

31st October - CUPB Dept. of Library & Information Sciences organised an Invited Lecture on Information Literacy

Department of Library & Information Sciences at Central University of Punjab organised an Invited Lecture on the topic “Information Literacy” by Dr Jagtar Singh, who is Professor in the Department of Library and Information Science and Professor in-charge of Bhai Kahn Singh Nabha Library, Punjabi University, Patiala.



Prof Jagtar Singh sharing his views on Information Literacy

The programme started with the welcome address of Prof S.K. Bawa, Director IQAC & In-charge CUPB Library & Information Sciences Department. Prof Jagtar, in his speech, described Information Literacy as the ability to recognise, locate, evaluate and effective use of needed information. He emphasised, to use the right information at the right time with the help of different digital tools. He also shared national & international initiatives, guidelines and policies of International Federation of Library Associations and Institutions (IFLA), American Library Association (ALA) and the United Nations Educational Scientific

and Cultural Organisation (UNESCO). Post lecture, Mr Kannan P, Deputy Librarian CUPB gave the formal vote of thanks.

2nd November - CUPB NSS Wing observed Vigilance Awareness Week-2019

As per directions of Central Vigilance Commission, NSS Cell, CUPB organized various programmes at City campus of Central University of Punjab, Bathinda during the observance of Vigilance Awareness Week-19 from 28th October to 2nd November 2019. On 31st October, an Awareness March was organised in the city campus of CUPB on the eve of Vigilance Awareness Week-2019, where NSS volunteers prepared Placards / Slogan and displayed it during the Awareness Walk. NSS Volunteers, Students, Faculty & Non-teaching staff participated in this Programme. During this programme, more than 150 participants also took Integrity Pledge under the directions of Dr Tarun Arora, Associate Dean Students Welfare. The program was successfully ended with a formal vote of thanks by Sh. Kanwal Pal Singh, Registrar of Central University of



CUPB students taking Integrity Pledge and Vigilance Awareness Pledge

Punjab, Bathinda.

On the second day, i.e. 1st November 2019 NSS Team, CUPB (Including Dr Monisha Dhiman, Programme Coordinator, Dr Ashwani Kumar, Programme Officer, and NSS volunteers) visited Govt. Sen. Sec. School, Naruana and organized an Essay Writing Competition. Total of 39 students of the school participated in this event. S. Harpreet Singh, Lect. Maths, Principal (O), S. Amandeep Singh and Staff of the school, cooperated with the team. All the staff members, including students, also took the vigilance awareness pledge in the school premises. They appreciated the efforts of the NSS team for this event and also requested to organise more events in the school in future.

On the third day, i.e. 2nd November 2019 an awareness march (Rally) was organised in Bathinda City from Civil Hospital Bathinda to Hazi Rattan Chowk, Bathinda. The NSS team started the walk from



CUPB NSS Team during the Awareness Walk & Pamphlet Distribution Activity at Civil Hospital, Bathinda

the Civil Hospital Bathinda, NSS Volunteers prepared the placards/slogan/ pamphlets on Vigilance Awareness & Corruption Free India, and distributed it in during the march from Civil Hospital, Bathinda, to Hazi Rattan Chowk. Dr Ashwani Kumar, Programme Officer, Dr Sandeep Kaur, Programme officer, and NSS volunteers were present during this programme.

The Vigilance Awareness Week-19 was accomplished with the productive efforts of Programme Coordinator, Programme Officers & NSS volunteers. Mr Sukhnaib Singh (DEO, NSS Cell, CUPB) has arranged all the logistic and travel support for the whole event.

7th November - CUPB Dept. of English organised an Invited Lecture on Theoretical & Textual Transformations

Department of English at Central University of Punjab organised an Invited Lecture on “Theoretical & Textual Transformations – A reading of Daniel Defoe’s Robinson Crusoe & J.M. Coetzee’s Foe”. The resource person of this programme was Prof. Rabinder Powar, Department of English, Punjabi University, Patiala. CUPB Faculty and Students from different departments participated in this event.

Dr Alpna Saini, HoD Department of English and Dr Shahila Zafar welcomed the participants & introduced the speaker. Prof. Powar, compared two texts, Daniel Defoe's Robinson Crusoe (1719), and J.M. Coetzee's Foe (1986), and analysed both of them in the light of postcolonial, postmodernist, feminist and existential theoretical frameworks. She also emphasised on the need for establishing the primacy of text over a binary-based conceptual approach to reading a text. Prof. Powar advised students of literature to delve deep into literary and



Prof Rabinder Powar addressing the gathering

critical texts for a firm-footing in literary studies. Dr Dinesh Babu delivered a vote of thanks at the end of the event.

8th November - CUPB Institution's Innovation Council organised Quiz Competition on General Awareness of IPRs

The Institution's Innovation Council (IIC) at Central University of Punjab, Bathinda (CUPB) organised an interdepartmental Quiz Competition on General Awareness on IPRs (Intellectual Property Rights) at their City Campus on Friday. A total of 6 teams (3 students per team) from different departments challenged each other in Quiz Competition and competed in 6 rounds. CUPB students came to witness this event and supported their favourite teams.

Dr Preeti Khetarpal, IIC Member, briefed the rules of inter-departmental Quiz Competition, and



Group Picture of Participants

asked various questions related to IPRs Types, Copyright, Plagiarism, Indian Patent System, International Conventions governing IPRs, and current affairs. During this quiz competition, separate questions were asked to the audience as well. The team from the Department of Biochemistry and Microbial Sciences grabbed the first position and stood as Winners of Quiz Competition. The teams from the Department of Psychology, and Department of Law stood

second and third respectively. Prof S.K. Bawa, President, IIC, CUPB, congratulated the participants, and distributed prizes to winners. Dr Monisha Dhiman, thanked the audience for their active participation.

10th November Faculty from CUPB Department of Mathematics & Statistics delivered Invited Lecture in National & International Conference

Dr Gauree Shankar, HoD, Department of Mathematics and Statistics, CUPB, delivered an Invited Lecture in the International Conference on Differential Geometry and Relativity (ICDGR 2019) at DDU Gorakhpur University, Gorakhpur. The conference was jointly organised by Dept. of Mathematics and Statistics, Deen Dyal Upadhaya Gorakhpur University and The Tensor Society from 8th to 10th November 2019. Dr G Shankar was the invited speaker of this conference. He delivered a talk on the topic "Geometry of surfaces with constant curvature",

22nd to 25th November 2019. Dr Gauri Shankar, also delivered an Invited Talk entitled "Geometry of a manifold with first approximate slope metric", in the 85th Annual Conference of Indian Mathematical Society, an international meet organised by Department of Mathematics, Indian Institute of Technology Kharagpur from 22nd to 25th November 2019. His session was well appreciated by participants and organisers.

13th November - CUPB Dept. of Microbiology organised Workshop on "Laboratory based Innovative Approaches to learn Biotechnology Techniques" for Students of Baba Farid College

13th November - The Department of Microbiology at the Central University of Punjab hosted a Visit cum Experiment Demonstration on "Laboratory-Based Innovative Approaches to learn

Biotechnology Techniques” for Baba Farid College students. The objective of the tour is to enhance the student’s understanding of specific scientific facts and concepts. A total of twenty-six BSc Biotechnology students and teachers of Baba Farid College participated in this visit.

Dr Monisha Dhiman, HoD, Department of Microbiology, mentioned that the purpose of this programme is to develop the student’s ability to identify questions and concepts that guide scientific temperament through Laboratory Experiences. She stated that, during the experiment demonstration, the students were shown extraction & purification of acid phosphatase from the sprouts of green gram and chickpea. This enzyme catalytically breaks a wide variety of phosphate esters and exhibit pH optima below 6. Acid phosphatase is



Experts demonstrating Laboratory Experiments to students

believed to increase orthophosphate availability under phosphate deficient conditions. CUPB faculty Dr Monisha Dhiman, Dr Somesh Baranwal and Dr Pramod

Kushawaha introduced the students with the enzyme activity method. The PhD scholars Kunj Bihari, Sandeep Kumar, Sukhchain Kaur and Ravinder Kumar, demonstrated the experiments

14th November - Central University of Punjab organised One-Day Seminar on Life, Philosophy and Teachings of Shri Guru Nanak Dev ji

To commemorate 550th birth anniversary of Shri Guru Nanak Dev Ji, the Central University of Punjab Bathinda (CUPB) organised One-Day Seminar on “Life, Philosophy & Teachings of Shri Guru Nanak Dev ji” on Thursday. Honourable Vice-Chancellor Prof (DR) R.K. Kohli presided over this seminar. Dr Kuldeep Singh, Chair Professor Satguru Ram Singh Chair & Dr Harpal Singh Pannu, Chair Professor Guru Gobind Singh Chair participated as the resource persons of this programme. Sh K.P. Singh, CUPB Registrar & COE participated in this event along with Faculty, Staff Members & Students from various departments.

Dr Alpna Saini, Associate Dean School & Languages Literature & Culture & Dr Ramanpreet Kaur welcomed the dignitaries and introduced the seminar theme to the audience. Chair Prof Kuldeep Singh, Satguru Baba Ram Singh Chair mentioned that Guru Nanak Bani written in Shri Guru Granth Sahib, Bhai Gurdas’s Varan and Persian Literature helped us to understand the life and philosophy of Shri Guru Nanak

Dev Ji. He stated that Shri Guru Nanak Dev ji is the founder of the modern-day Sikhism and is the first guru worshipped by Sikhs across the world. He shared the life journey



Expert Speakers addressing the gathering

of Shri Guru Nanak, from Shri Nankana Sahib (where he spent childhood), Sultanpur Lodhi (where

he gained experience), his travel journey to various Asian countries (to spread the message of humanity, and Kartarpur Sahib (Where he settled down), and talked about his contribution in awakening mankind.

Chair Professor Harpal Singh Pannu, Shri Guru Gobind Singh Ji Chair, shared literary birth stories of Baba Nanak by citing Puratan Janaksakhi, Baba Bala Janaksakhi and other main Janamsakhis. He asserted that the life mission of Shri Guru Nanak Dev ji was to eliminate discrimination from the society. He raised his voice against inequality in the caste system in society, and gender bias. He stated that Nanak's teachings of Kirat Karo (Earning our livelihood honestly without exploitation or fraud), Naam Japo (Meditating the God's Name), and Vand Chakko (Sharing with others and helping those who are in need), are the fundamental principles to live a peaceful life.

Prof. (Dr.) R.K. Kohli, Vice-Chancellor, Central University of Punjab in his presidential address congratulated Chair Professor Harpal Pannu, Shri Guru Gobind Singh ji Chair for organising this seminar. He added, Baba Nanak taught us to adopt scientific thinking, serve humanity, preserve our natural environment, and to spread the message of peace & harmony. He encouraged youngsters to follow his teachings and try to become a good human being. Mr KP Singh, COE & Registrar, gave the vote of thanks to dignitaries and participants for making this programme a success.

15th November - CUPB organised two-day Workshop on Machine Learning and AI Gaming

Central University of Punjab Bathinda (CUPB) organised a two-day workshop on Azure Machine Learning and AI Gaming Platform in the third week of November under the guidance of honourable Vice-Chancellor Prof R.K. Kohli. CUPB Department of Computer Science and Technology conducted this programme in collaboration with Microsoft Student Partners. More than 50 students actively participated in this workshop.



CUPB Students attending the workshop

Dr Amandeep Kaur, HOD, Department of Computer Science & Technology, and Dr Satwinder Singh, the Programme Coordinator, informed that on the first day of the workshop, participants learned various aspects of Machine Learning on Microsoft Azure Machine Learning Studio. She added, training on AI Gaming Tournament was provided on the second day of workshop in which participants acquired knowledge of Microsoft Computer Vision Cognitive Services and game Code Programming. During this programme, participants also competed with each other in various activities. After attending the workshop,

the participants were excited, and they gave positive feedback.

18th November - CUPB, Dept. of Mass Communication & Media Studies students bagged top ranks in News Anchoring, Video Editing and Photography Competition during Media Fest

The students of the Department of Mass Communications & Media Studies, Central University of Punjab Bathinda (CUPB) grabbed the top ranks in News Anchoring, Video Editing & Photography

Competitions in Media Fest of Chandigarh University & Chitkara University. These competitions were held in the first fortnight of November month.

Mr Shobhan Garnaik (CUPB student), won first prize in News Anchoring / News Reading Competitions of both these Media Festivals. Mr Pushkar Patnaik (CUPB student), achieved 2nd position in Framebox Video Editing Competition at Chitkara University's Media Fest and 3rd position in Photography Competitions at Chandigarh University's Media Fest. Both of them are MA (Journalism & Mass Communications) Final Year students.



Group Picture of Dept of MCMS Faculty and Students

Prof R.K. Kohli, Vice-Chancellor, CUPB congratulated the students for their

exceptional performance. Prof V.K. Garg, Dean Student Welfare & Dean

School of Information & Communicative Sciences mentioned that more than 15 Universities / Institutions have participated in these Media Fests, and CUPB students outperformed others with a magnificent performance in News Anchoring, Video Editing & Photography competitions. He added, our students also performed well in Mobile Journalism, Debate, RJ Hunt & Quiz Competitions, and impressed everyone. Students gave credit of this success to their faculty members, as it has become possible only under their guidance.

25th November - Central University of Punjab organised Tri-Lingual Mushaira

To exhibit the real art of poetry of Urdu, Punjabi and Hindi Languages, the Central University of Punjab holds a Tri-Lingual Mushaira on Monday at its City Campus. The programme was organised by the CUPB Department of Punjabi in collaboration with Punjab Urdu Academy Malerkotla. Honourable Vice-Chancellor Prof R.K. Kohli presided over this programme, and its chief guest was Mr Latif Ahmed, Secretary Punjab Urdu Academy & SDM Phagwara. During this poetic symposium, eminent poets came from different states and regaled the audience with their beautiful poetry couplets. CUPB Registrar Sh KP Singh Mundra along with Faculty, Staff and Students



Dr M Rafi presenting Urdu Shayari

participated in this event and listened to splendid Shayari.

Prof. P Ramarao, Dean Academic Affairs, welcomed the guests and highlighted the importance of mushaira in preserving our culture. Chief Guest, Mr Latif Ahmed shared the contribution of Punjab Urdu Academy in promotion of Urdu language and its literature in the state. He highlighted the career opportunities in Urdu Language & encouraged

students to learn this beautiful language.

During the the programme, renowned Urdu poets like Dr Muhammad Rafi, Dr Muhammad Salim Zuberi, Mr Sahibzada Azmal Khan Sherwani and Mr Zafar Ahmed captivated the audience with their beautiful Ghazals and Nazams. Hindi Poets Dr Rajinder Kumar and Mr Sandeep Kumar Bishnoi demonstrated their original works on Hindi Shayari. In addition to this, Dr Zameer Sandhu fascinated everyone with her performance on Punjabi Poetry.

Vice-Chancellor Prof RK Kohli, in his presidential address, congratulated and congratulated eminent poets for promoting the original poetic art of Urdu Punjabi & Hindi Language. He mentioned that programmes like Tri-Lingual Mushiara help us to bring people from different states closer and CUPB is committed to organising such events in future.

Dr Muhammad Rafi, Founder Secretary of Punjab Urdu Academy, appreciated the efforts of Programme Co-ordinators Dr Zameerpal Kaur, Head, Punjabi Department & Dr Rajinder Kumar, Officiating Incharge Hindi Department for making this programme a success. He also motivated youngsters to learn the art of poetry writing in their native language. This literary event was admired by the participants as a platform of free self-expression

26th November - Central University of Punjab celebrated Constitution Day

To mark the 70th anniversary of the adoption of Constitution of India, the Central University of Punjab celebrated Constitution Day on 26th November under the patronage of honourable Chancellor Prof S.S. Johl. On this day, CUPB Department of Law & NSS Wing organised special programmes to sensitise people regarding values and precepts enshrined in the constitution under the directions of MHRD.

According to Dr Deepak K Chauhan, HoD Law Department, “In the beginning, CUPB faculty, NSS Volunteers, and students from various departments joined to read Constitution Preamble and to attend the LIVE screening of Prime Minister’s Address from Parliament House. After this, Dr Tarun Arora, Associate Dean Student Welfare, administered the pledge to students to follow fundamental duties and to honour the principals of Justice, Liberty, Equality and Fraternity enshrined by our constitution.”

During the Constitution Day celebration, CUPB Law Department organised a special lecture on the topic, “Guru Nanak Dev’s Philosophy and Constitution of India”. Honourable Chancellor Prof S.S. Johl and Vice-Chancellor Prof R/K/ Kohli also attended this lecture. During this lecture Dr Tarun Arora, Associate Professor talked about Indian Constitution, Constitutional Justice and Baba Nanak’s Philosophy. He mentioned that constitutional perspective and Baba Nanak’s philosophy are linked to each other, as both aimed at eradication of social evils, equal distribution of resources, and justice to all. Honourable Chancellor, Prof S.S. Johl appreciated the efforts of organising team, & spoke at length on the relevance of Guru Nanak’s Philosophy in 21st Century. Dr Puneet Pathak and Dr Sukhwinder Kaur gave formal vote of thanks.



Dr Tarun Arora delivering Lecture on Guru Nanak’s Philosophy and Constitution of India

29th November - CUPB IIC organized Lecture cum Open Session Meet on “Academics, Innovation & Entrepreneurship: The Path from Idea to Reality”

The Institution’s Innovation Council (IIC) established at the Central University of Punjab organised a one-day Lecture cum Open Session Meet on “Academics, Innovation & Entrepreneurship– The path from Idea to Reality”. The programme was held under the guidelines of honourable Vice-Chancellor Prof RK Kohli, and its objective was to encourage, inspire, and nurture young students to work on new ideas and transform them into a successful Entrepreneurship. The keynote speakers in this Seminar were Dr Hemant R Kushwaha, Coordinator Innovation and Incubation Centre, JNU and Dr Anupama Singh, CEO, Sequoia Insilico Pvt Ltd (A health informatics company incubated at Innovation & Incubation Centre JNU). Faculty members and students from different departments participated in this programme.

In the opening session, Dr Manju Jain, Programme Coordinator, welcomed the participants and introduced the Guest Speakers. After this, Dr Hemant Kushwaha gave a lecture on the topic, “Entrepreneur: Who & Why”. He defined “Entrepreneur” as a self-motivated person who creates new business in the face of future risks, to achieve profits by identifying and assembling the necessary resources. He mentioned that Entrepreneurs make the life of other people easier with their innovative ideas and solutions that satisfy customer needs. He talked about various qualities of an Entrepreneur and shared the examples of innovative sustainable development products like Solar Mosquito Destroyer, Eco Cooler, Water Wheel, Low-Cost Loo, Portable Water Purifier etc.



Experts interacting with participants during the Open Session

During the second session, Dr Anupama delivered a Talk on “Transforming Academic Excellence into Enterprise”. She discussed in detail about the services offered by the Office of Development Commissioner, Ministry of Micro Small and Medium Enterprise (MSME) like facilities for testing of innovative ideas, training for entrepreneurship development, preparation of project and product profiles, technical & managerial consultancy, assistance for exports, pollution & energy audits etc. She also stated that an Entrepreneur with an innovative idea and well-prepared business plan could generate funding from various sources like Government Agencies,

Venture Capitalist and Crowd Funding etc. After the lectures, an Open session was organised in which, expert speakers interacted with faculty and students and shared their experiences from Idea to Reality.

23rd November - CUPB faculty got Best Research Paper Award in National Conference on Climate Change Adaptations in Agriculture for Sustainable Livelihood

The Faculty Member of Department of Economic Studies, Central University of Punjab, got awarded for excellent research paper presentation in the National Conference on “Climate Change Adaptations in Agriculture for Sustainable Livelihood”. Recently, Dr Sandeep Kaur, Assistant Professor, Department of Economic Studies, CUPB, presented her research paper in this conference

and received the “Best Paper Presentation Award”. The conference was sponsored by the World Bank and Ministry of Rural Development. It was organized by Centre for National Resource Development, National Institute of Rural Development and Panchayati Raj (NIRDPR), Hyderabad in the last week of November.

Honourable Vice-Chancellor, Prof. R.K. Kohli, congratulated Dr Sandeep on this achievement and encouraged her to set new benchmarks with quality research in the field of Economic Studies. Dr Sandeep Kaur informed that, she got the “Best Paper Award” for her research paper presentation on the topic “An Economic Evaluation of Pradhan Mantri Fasal Bima Yojana for Cotton Failure Region in Punjab: Can it succeed?” during this National Conference held on 22nd & 23rd

November at NIRDPR, Hyderabad, This research paper is jointly written by Dr Sandeep and her ex-student Mr Harpreet Singh. She thanked the University Authorities for providing needful support and mentioned that such achievements motivate us to strive for excellence in our field.



Dr Sandeep Kaur receiving Best Paper Award during National Conference on Climate Change Adaptations in Agriculture for Sustainable Livelihood

LIST OF PUBLICATIONS

- Adhikary, A., Kumar, R., Pandir, R., Bhardwaj, P., Wusirika, R., & Kumar, S. (2019). *Pseudomonas citronellolis*; a multi-metal resistant and potential plant growth promoter against arsenic (V) stress in chickpea. *Plant Physiology and Biochemistry*, 142, 179-192.
- Aggarwal, V., Tuli, H., Varol, A., Thakral, F., Yerer, M., Sak, K., et al. (2019). Role of reactive oxygen species in cancer progression: Molecular mechanisms and recent advancements. *Biomolecules*, 9(11).
- Ahluwalia, T., Kilpeläinen, T., Singh, S., & Rossing, P. (2019). Editorial: Novel biomarkers for type 2 diabetes. *Frontiers in Endocrinology*, 10(SEP).
- Arya, A., Sadiq, M., & Sharma, A. (2019). Dielectric relaxation and AC conductivity of TiO₂ nanofiller dispersed polymer nanocomposite. *AIP Conference Proceedings*, 2115.
- Arya, A., Sadiq, M., & Sharma, A. (2019). Structural, electrical and ion transport properties of free-standing blended solid polymeric thin films. *Polymer Bulletin*, 76(10), 5149-5172.
- Barkhade, T., Mishra, S., Chander, H., Mahapatra, S., & Banerjee, I. (2019). Effect of TiO₂ and Fe doped TiO₂ nanoparticles on mitochondrial membrane potential in HBL-100 cells. *Biointerphases*, 14(4).
- Bharti, A., Katoch, N., Kumar, A., Sharma, R., & Ahluwalia, P. (2019). Stability, electronic and optical properties of in-plane WSe₂ heterophase nano-ribbons. *AIP Conference Proceedings*, 2115.
- Biswas, R., Khirid, S., Saha, M., Liu, C., Dhayal, R., & Halder, K. (2019). Seed free high yield gold nanorods synthesis from single precursor gold(I) dithiophosphate complex. *Applied Organometallic Chemistry*, 33(11).
- Chandel, S., Kaur, S., Issa, M., Singh, H., Batish, D., & Kohli, R. (2019). Appraisal of immediate and late effects of mobile phone radiations at 2100 MHz on mitotic activity and DNA integrity in root meristems of *Allium cepa*. *Protoplasma*, 256(5), 1399-1407.
- Chawda, N., Basu, M., Majumdar, D., Poddar, R., Mahapatra, S., & Banerjee, I. (2019). Engineering of gadolinium-decorated graphene oxide nanosheets for multimodal bioimaging and drug delivery. *ACS Omega*, 4(7), 12470-12479.
- Chawda, N., Mishra, S., Basu, M., Chander, H., Podder, R., Mahapatra, S., et al. (2019). Synthesis of gadolinium oxide nanocuboids for in vitro bioimaging applications. *Materials Research Express*, 6(10).
- Choudhary, S., Thakur, S., & Bhardwaj, P. (2019). Molecular basis of transitivity in plant RNA silencing. *Molecular Biology Reports*, 46(4), 4645-4660.

- Daulta, R., Garg, V., & Singh, B. (2019). Natural Radioactivity in Soil, Associated Radiation Exposure and Cancer Risk to Population of Eastern Haryana, India. *Journal of the Geological Society of India*, 94(5), 525-532.
- Dhanial, N., Chauhan, V., Chaitanya, R., & Dutta-Gupta, A. (2019). Midgut de novo transcriptome analysis and gene expression profiling of *Achaea janata* larvae exposed with *Bacillus thuringiensis* (Bt)-based biopesticide formulation. *Comparative Biochemistry and Physiology - Part D: Genomics and Proteomics*, 30, 81-90.
- Dhanial, N., Chauhan, V., Chaitanya, R., & Dutta-Gupta, A. (2019). RNA-Seq analysis and de novo transcriptome assembly of Cry toxin susceptible and tolerant *Achaea janata* larvae. *Scientific data*, 6(1), 159.
- Dogra, N., Yadav, R., Kaur, M., Adhikary, A., Kumar, S., & Ramakrishna, W. (2019). Nutrient enhancement of chickpea grown with plant growth promoting bacteria in local soil of Bathinda, Northwestern India. *Physiology and Molecular Biology of Plants*, 25(5), 1251-1259.
- Garg, M., Kumari, B., & Kumar, R. (2019). Effect of 1-allyl-3-methylimidazoleium bromide on the motional dynamics and thermal stability of horse ferrocycytochrome c. *AIP Conference Proceedings*, 2142.
- Ghosh, A., Reddy, S., & Mahapatra, S. (2019). Electronic spectroscopy of carbon chains (C_{2n+1} , $n = 7-10$) of astrophysical importance. II. Quantum dynamics. *Journal of Chemical Physics*, 151(5).
- Gill, B., Navgeet, & Kumar, S. (2019). Antioxidant potential of ganoderic acid in Notch-1 protein in neuroblastoma. *Molecular and Cellular Biochemistry*, 456(1-2).
- Guite, L. (2019). Assessment of urban sprawl in Bathinda city, India. *Journal of Urban Management*, 8(2), 195-205.
- Gupta, R., & Kaur, J. (2019). On explicit exact solutions of variable-coefficient time-fractional generalized fifth-order Korteweg-de Vries equation. *European Physical Journal Plus*, 134(6).
- Haldar, K., Tanwar, S., Biswas, R., Sen, T., & Lahtinen, J. (2019). Noble copper-silver-gold trimetallic nanobowls: An efficient catalyst. *Journal of Colloid and Interface Science*, 556, 140-146.
- Jakhar, M., Kumar, A., Srivastava, S., Parida, P., & Tankeshwar, K. (2019). Adsorption of nucleobases on different allotropes of phosphorene. *AIP Conference Proceedings*, 2115.
- Jamdagni, P., Thakur, A., Kumar, A., & Ahluwalia, P. (2019). Stability and electronic structure of tricycle-type allotropes of pnictogen monolayers. *AIP Conference Proceedings*, 2115.

- Jamdagni, P., Thakur, A., Kumar, A., Ahluwalia, P., & Pandey, R. (2019). Superior Mechanical and Electronic Properties of Novel 2D Allotropes of As and Sb Monolayers. *Journal of Physical Chemistry C*, 123(44), 27214-27221.
- Kanozia, R. (2019). Analysis of digital tools and technologies for Debunking Fake News. *Journal of Content, Community and Communication*, 9(2019), 114-122.
- Katoch, N., Thakur, R., Kumar, A., Ahluwalia, P., & Kumar, J. (2019). Tuning of Schottky barriers in borophene/MoS₂ van der Waals heterostructure by external electric field. *AIP Conference Proceedings*, 2115.
- Kaur, A., Kaur, S., Singh, H., Batish, D., & Kohli, R. (2019). Phenotypic variations alter the ecological impact of invasive alien species: Lessons from *Parthenium hysterophorus*. *Journal of Environmental Management*, 241, 187-197.
- Kaur, J., & Yogalakshmi, K. (2019). Screening of quorum quenching activity of the bacteria isolated from dairy industry waste activated sludge. *International Journal of Environmental Science and Technology*, 16(10), 5421-5428.
- Kaur, R., Kaur, N., & Singh, S. (2019). Enhanced routing protocol for VANET. *International Journal of Innovative Technology and Exploring Engineering*, 8(9 Special Issue), 555-560.
- Kaur, S., Singh, J., Kumar, A., Srivastava, S., & Tankeshwar, K. (2019). Energetics and electronic structure of novel hybrid dumbbell monolayers. *AIP Conference Proceedings*, 2115.
- Khan, I., Joshi, G., Nakhate, K., Ajazuddin, Kumar, R., & Gupta, U. (2019). Nano-Co-Delivery of Berberine and Anticancer Drug Using PLGA Nanoparticles: Exploration of Better Anticancer Activity and In Vivo Kinetics. *Pharmaceutical Research*, 36(10).
- Kiran, A., Kumar, S., Nayyar, H., & Sharma, K. (2019). Low temperature-induced aberrations in male and female reproductive organ development cause flower abortion in chickpea. *Plant Cell and Environment*, 42(7), 2075-2089.
- Kour, B., & Kumar, S. (2019). Space time fractional Drinfel'd-Sokolov-Wilson system with time-dependent variable coefficients: Symmetry analysis, power series solutions and conservation laws. *European Physical Journal Plus*, 134(9).
- Kumar, A., & Jaitak, V. (2019). Natural products as multidrug resistance modulators in cancer. *European Journal of Medicinal Chemistry*, 176, 268-291.
- Kumar, A., Jakhar, M., Srivastava, S., & Tankeshwar, K. (2019). Stability and electronic properties of two dimensional pentagonal layers of palladium chalcogenides. *AIP Conference Proceedings*, 2115.
- Kumar, A., Kaur, A., & Kumar, M. (2019). Face detection techniques: a review. *Artificial Intelligence Review*, 52(2), 927-948.

- Kumar, A., Singh, S., & Kaur, G. (2019). Fake news detection of Indian and United States election data using machine learning algorithm. *International Journal of Innovative Technology and Exploring Engineering*, 8(11), 1559-1563.
- Kumar, B., Kumar, V., Prashar, V., Saini, S., Dwivedi, A., Bajaj, B., et al. (2019). Dipropargyl substituted diphenylpyrimidines as dual inhibitors of monoamine oxidase and acetylcholinesterase. *European Journal of Medicinal Chemistry*, 177, 221-234.
- Kumar, P., Jain, S., & Kumar, B. (2019). Evaluation of heavy metals toxicity in the groundwater of some villages of Sirsa district of Haryana, India. *Rasayan Journal of Chemistry*, 12(4), 2235-2240.
- Kushwaha, P., Gupta, S., Singh, A., & Kumar, S. (2019). Emerging Role of Migration and Invasion Enhancer 1 (MIEN1) in Cancer Progression and Metastasis. *Frontiers in Oncology*, 9.
- Majeed, A., Singh, A., Choudhary, S., & Bhardwaj, P. (2019). RNAseq-based phylogenetic reconstruction of Taxaceae and Cephalotaxaceae. *Cladistics*, 35(5), 461-468.
- Majeed, A., Singh, A., Choudhary, S., & Bhardwaj, P. (2019). Transcriptome characterization and development of functional polymorphic SSR marker resource for Himalayan endangered species, *Taxus contorta* (Griff). *Industrial Crops and Products*, 140.
- Mehra, R., Bhushan, S., Bast, F., & Singh, S. (2019). Marine macroalga *Caulerpa*: role of its metabolites in modulating cancer signaling. *Molecular Biology Reports*, 46(3), 3545-3555.
- Mishra, P., Rout, H., & Kestwal, A. (2019). Tourism-energy-environment-growth nexus: Evidence from India. *Journal of Environmental Management and Tourism*, 10(5), 1180-1191.
- Narang, R., Kumar, R., Kalra, S., Nayak, S., Khatik, G., Kumar, G., et al. (2019). Recent advancements in mechanistic studies and structure activity relationship of FoF1 ATP synthase inhibitor as antimicrobial agent. *European Journal of Medicinal Chemistry*, 182.
- Pritam, Arya, A., & Sharma, A. (2019). Improved ionic conductivity, potential window and dielectric strength in intercalated polymer nanocomposites. *AIP Conference Proceedings*, 2115.
- Ramakrishna, W., Yadav, R., & Li, K. (2019). Plant growth promoting bacteria in agriculture: Two sides of a coin. *Applied Soil Ecology*, 138, 10-18.
- Rani, E., & Wong, L. (2019). High-Resolution Scanning Probe Nanolithography of 2D Materials: Novel Nanostructures. *Advanced Materials Technologies*, 4(7).
- Reddy, S., Ghosh, A., & Mahapatra, S. (2019). Electronic spectroscopy of carbon chains (C_{2n+1} , $n = 7-10$) of astrophysical importance. I. Quantum chemistry. *Journal of Chemical Physics*, 151(5).

- Sahoo, P., Dall'Agnol, R., Salomão, G., da Silva Ferreira Junior, J., Silva, M., e Souza Filho, P., et al. (2019). High resolution hydrogeochemical survey and estimation of baseline concentrations of trace elements in surface water of the Itacaiúnas River Basin, southeastern Amazonia: Implication for environmental studies. *Journal of Geochemical Exploration*, 205.
- Saini, R., & Kumar, S. (2019). Genome-wide identification, characterization and in-silico profiling of genes encoding FAD (fatty acid desaturase) proteins in chickpea (*Cicer arietinum* L.). *Plant Gene*, 18.
- Saykar, N., Phatangare, A., Banerjee, I., Bhoraskar, V., Ray, A., & Mahapatra, S. (2019). Electron beam induced synthesis of Ru-rGO and its super capacitive behavior. *2D Materials*, 6(4).
- Sharan, V., & Kaur, A. (2019). Detection of counterfeit indian currency note using image processing. *International Journal of Engineering and Advanced Technology*, 9(1), 2440-2447.
- Sharma, M., Mahajan, P., Singh, H., Batish, D., & Kohli, R. (2019). 24-Epibrassinolide pre-treatment reduces alkaline-induced oxidative stress in red rice seedlings. *Environmental Science and Pollution Research*, 26(22), 23192-23197.
- Sharma, S., & Mittal, M. (2019). Detection and prevention of de-authentication attack in real-time scenario. *International Journal of Innovative Technology and Exploring Engineering*, 8(10), 3324-3330.
- Sharma, S., Mehra, R., & Bast, F. (2019). Molecular phylogeography of *Ficus benghalensis* Linnaeus using nrDNA ITS 1, cpDNA trnL and cpDNA rps16 from the Indian subcontinent. *Current Science*, 117(2), 293-298.
- Sharma, S., Singh, H., Batish, D., & Kohli, R. (2019). Nitric oxide induced modulations in adventitious root growth, lignin content and lignin synthesizing enzymes in the hypocotyls of *Vigna radiata*. *Plant Physiology and Biochemistry*, 141, 225-230.
- Shekhar, M., Venkatachalam, T., Sharma, C., Pratap Singh, H., Kalra, S., & Kumar, N. (2019). Computational investigation of binding mechanism of substituted pyrazinones targeting corticotropin releasing factor-1 receptor deliberated for anti-depressant drug design. *Journal of Biomolecular Structure and Dynamics*, 37(12), 3226-3244.
- Singh, P. (2019). New Media as a Change Agent of Indian Television and Cinema: A study of over the top Platforms. *Journal of Content, Community and Communication*, 9(2019), 131-137.
- Singh, P., Srivastava, S., & Singh, S. (2019). Nanosilica: Recent Progress in Synthesis, Functionalization, Biocompatibility, and Biomedical Applications. *ACS Biomaterials Science and Engineering*, 5(10), 4882-4898.

- Singh, R., Srivastava, P., Singh, P., Sharma, A., Singh, H., & Raghubanshi, A. (2019). Impact of rice-husk ash on the soil biophysical and agronomic parameters of wheat crop under a dry tropical ecosystem. *Ecological Indicators*, 105, 505-515.
- Singh, S., Kaur, S., Gupta, S., Kumar, A., & Srivastava, S. (2019). Stability and tunable electronic structure of planar phosphorus nanotubes. *AIP Conference Proceedings*, 2115.
- Tamang, S., Acharya, V., Roy, D., Sharma, R., Aryaa, A., Sharma, U., et al. (2019). SNHG12: An lncRNA as a Potential Therapeutic Target and Biomarker for Human Cancer. *Frontiers in Oncology*, 9.
- Tanuja, & Meenakshi. (2019). Implementation and analysis of enhanced obfuscation technique for data security. *International Journal of Recent Technology and Engineering*, 8(3), 6107-6115.
- Thakur, R., Kumar, A., Ahluwalia, P., & Sharma, R. (2019). Strain controlled electronic and transport properties of Si-C atomic wire. *AIP Conference Proceedings*, 2115.
- Thakur, S., Choudhary, S., & Bhardwaj, P. (2019). Comparative Transcriptome Profiling Under Cadmium Stress Reveals the Uptake and Tolerance Mechanism in Brassica juncea. *Journal of Plant Growth Regulation*, 38(3), 1141-1152.
- Uniyal, A., Mansotra, K., Yadav, S., & Kumar, V. (2019). An overview of designing and selection of sgRNAs for precise genome editing by the CRISPR-Cas9 system in plants. 3 *Biotech*, 9(6).
- Uniyal, A., Yadav, S., & Kumar, V. (2019). The CRISPR–Cas9, genome editing approach: a promising tool for drafting defense strategy against begomoviruses including cotton leaf curl viruses. *Journal of Plant Biochemistry and Biotechnology*, 28(2), 121-132.
- Yadav, V., Singh, P., Sharma, D., Singh, S., & Agarwal, V. (2019). Mechanism underlying N-(3-oxo-dodecanoyl)-L-homoserine lactone mediated intracellular calcium mobilization in human platelets. *Blood Cells, Molecules, and Diseases*, 79.

Student Achievement:

- Kunj Bihari Gupta was received appreciation award for his poster on the topic ‘*Curcumin attenuates the gliadin induced oxidative damage, inflammation and cellular response in human intestinal cells via cross talk between Nrd-2 and APE-1*’ in 2ND National Biomedical Research Completion on 17th November 2019 held at PGIMR, Chandigarh, India

CUPB News Collage

सीयू में 486 विद्यार्थियों को डिग्री प्रदान की

बठिंडा पंजाब विश्वविद्यालय के डिग्री केसम में सोमवार को पांचवें वार्षिक समारोह का आयोजन किया गया। इस मौके 486 छात्रों को पेंटेंट डिग्रीट व पीएचडी डिग्री से सम्मानित किया गया। 2018-19 शैक्षणिक वर्ष के दौरान उत्तमोत्तम उम्मीदवारों में से 28 ने पीएचडी तथा 458 ने डिग्री विषयों में पेंटेंट डिग्रीट को डिग्री हासिल की। इस अवसर पर 26 सर्वश्रेष्ठ छात्रों को शिक्षा में उत्तम स्तर हासिल करने के लिए स्वर्ण पदक भी प्रदान किए गए। समारोह में विश्वविद्यालय के वाइसराय सरदार सिंह जेठल विशेष तौर पर शामिल हुए।



डिग्री विषयों के श्रेष्ठ छात्रों को पेंटेंट डिग्रीट के अवसर पर

एन पर सीएसआईआईआर, यू दिल्ली के सहनिदेशक एवं डी एसआईआईआर सचिव डॉ. रोमर नो बर्दे शामिल हुए। डॉ. रोमर नो बर्दे शामिल होने के साथ ही युवाओं को शैक्षणिक क्षेत्र में प्रगति के लिए प्रोत्साहित करने का संकेत भी दिया।

Workshops to enhance faculty's teaching skills conclude at CUP

TRIBUNE NEWS SERVICE

BATHINDA, JUNE 7
The MHRD-sponsored two multidisciplinary national workshops on the sociology and political science disciplines, which were organised by the Teaching Learning Centre (TLC) at the Central University of Punjab, successfully concluded here on Friday. Both workshops commenced on May 27 and were organised under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

A total of seven research project proposals of the Central University of Punjab (CUP) have got approval under the first call of MHRD Impactful Policy Research in Social Science (IMPRESS) scheme. The objective of the IMPRESS scheme is to encourage social science research in relevant areas to provide vital inputs in policy-formulation, implementation and evaluation. The selected research projects of the CUP faculty

In his keynote address Prof Vivek Kumar said social sciences helped understand human beings better. He talked about the impact of Newtonian Physics Model and Einstein Physics Model model on Quantitative Research Methods of Social Science and mentioned that positivist empiricism and deductive analyses were their outcomes. He shared his concern that most of the researchers used quantitative methods of social science for verification of data only. He recommended them for the adoption of the falsification approach to build a new theory and processes. On behalf of the organising team, Dr Baw Singh thanked the distinguished guests and participants for making this programme a success.

NEWS



Students of the Central University of Punjab, Bathinda, at Parliament Library building in New Delhi.

Central varsity students get Youth Parliament trophy

TRIBUNE NEWS SERVICE

BATHINDA, SEPTEMBER 27
The Central University of Punjab (CUP), Bathinda, 15th annual running winners' trophy during a prize distribution function of 15th National Youth Parliament competition held on September 27 at Parliament library building, New Delhi.

It awarded a memento parliament trophy and a trophy for standing first in the competition. Arjun Ranu Mehta, Minister of State for Parliamentary Affairs, presided over the function and gave away the prize to awarding students and institutions in the competition. On the occasion, members of the CUP, who stood first in the competition, presented a token sitting of youth Parliament. The programme was organised under the auspices of the Ministry of Parliamentary Affairs. The CUP team was

Bathinda Tribuna Sun, 29 September 2019
<https://epaper.tribuneindia.com/c/48134>

यूनिवर्सिटी में पर्यावरण प्रबंधन पर वर्कशॉप

बठिंडा, 13 सितंबर (बीबी) पंजाब विश्वविद्यालय बठिंडा (सीयूबी) के शैक्षणिक परिसर में पर्यावरण प्रबंधन पर एक वर्कशॉप का आयोजन किया गया। इस कार्यक्रम का आयोजन शिक्षा और शैक्षणिक विकास विभाग के सहयोग से किया गया।

इस अवसर पर डॉ. सुधीर कुमार ने इस कार्यक्रम के उद्देश्य और लक्ष्यों के बारे में बताया। उन्होंने कहा, हमारे देश में पर्यावरण प्रबंधन के महत्व को बढ़ावा देने के लिए हमें एक वैश्वीय दृष्टिकोण से कार्य करना होगा।

उन्होंने कहा, इस कार्यक्रम के दौरान, प्रमुख वैश्वीय और राष्ट्रीय पर्यावरण प्रबंधन के क्षेत्रों पर चर्चा होगी। कार्यक्रम के अंत में, प्रतिभागियों को पर्यावरण प्रबंधन के महत्व के बारे में एक प्रस्ताव तैयार करने का आदेश दिया गया।

Bathinda Tribuna Sat, 08 June 2019
<https://epaper.tribuneindia.com/c/48159>

दैनिक समाचार Sat, 14 September 2019
<https://epaper.dainiknewsarvika.com/c/41557613>

Nod to 7 research project proposals of CUP

TRIBUNE NEWS SERVICE

BATHINDA, JULY 4
A total of seven research project proposals of the Central University of Punjab (CUP) have got approval under the first call of MHRD Impactful Policy Research in Social Science (IMPRESS) scheme. The objective of the IMPRESS scheme is to encourage social science research in relevant areas to provide vital inputs in policy-formulation, implementation and evaluation. The selected research projects of the CUP faculty

IMPRESS SCHEME
The research project proposals have got approval under the first call of MHRD Impactful Policy Research in Social Science (IMPRESS) scheme. The objective of the IMPRESS scheme is to encourage social science research in relevant areas to provide vital inputs in policy-formulation, implementation and evaluation. The selected research projects of the CUP faculty are related to agriculture and rural development; health and education; media culture and society; social media and technology.

VC RK Kohli congratulated the faculty members and said the CUP was on the top amongst the newly established Central universities with seven research projects and was the frontrunner among other universities of the region with the highest faculty to project ratio. He said, "Our university is proud of its talented faculty who is always committed to set new benchmarks in the field of education and research."

Phones on Youth: A study of Bathinda District, An Evaluation of Effectiveness of Pradhan Mantri Fasal Bima Uojana for Haryana and Punjab: The Way Forward for Diversification, Restructuring in Agri-Food Markets in India: Impacts on Primary Producers and Workers, Performance of Regulated APMCs in Haryana Under New Agriculture Marketing Reforms Regime, Availability and Accessibility of Health Care Facility With Special Reference to Hill District of Manipur and Effect of Blended Learning on Pedagogy.

Bathinda Tribuna Fri, 05 July 2019
<https://epaper.tribuneindia.com/c/41059450>

कुलगीत

पंजाब केन्द्रीय विश्वविद्यालय
पंजाब केन्द्रीय विश्वविद्यालय
संस्कृतियों का मिलन बिंदु
विज्ञान दृष्टि धारण करके
विद्या की इस फुलकारी से
महके देश का प्रांगण सारा
ज्ञान विज्ञान का मधुर संगम
जीवन मूल्यों का सहारा
ये नवाचार का पाठ पढ़ता
देश विदेश की समझ बढ़ाता
भावी पीढ़ी का निर्माता
विश्व बंधुत्व का भाव सिखाता
तेरी शान रहे, तेरा मान रहे
पंजाब केन्द्रीय विश्वविद्यालय
पंजाब केन्द्रीय विश्वविद्यालय

(डॉ. राजेंद्र कुमार सेन)

सहायक प्रोफेसर हिंदी विभाग

Central University of Punjab,

City Campus, Mansa Road, Bathinda-151001

University Websites: www.cup.edu.in

Contact Numbers: 0164-2864122, 0164-2864106, **E-mail:** registrar@cup.edu.in

Suggestions are welcome: cupnewsletter@gmail.com /; newsletter@cup.edu.in

Patron: Editorial Board:

Prof. R. K. Kohli

FNA, FASc, FNASc, FNAAS, J. C. Bose Fellow

Vice-Chancellor

Editorial Board

Dr. Alpna Saini

Dr. Monisha Dhiman

Dr. Dinesh Babu P.

Dr. Rubal Kanozia

Dr. Paramveer Singh

Mr. Robin Jindal (P.R.O.)