

CUPB Newsletter

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ਪੰਜਾਬ ਕੇਂਦਰੀ ਯੂਨੀਵਰਸਿਟੀ, ਬਠਿੰਡਾ
ਪੰਜਾਬ ਕੇਂਦਰੀ ਵਿਸ਼ਵਵਿਦਿਆਲਯ, ਬਠਿੰਡਾ
Central University of Punjab, Bathinda

Editorial

The achievements of the any academic institution do not come easily. It requires a team effort which fosters harmony, dedication and a win-win scenario for everyone in the University with a dedicated team aiming for the same goals with maximum utilization of the available resources. The spirit of it is shown in the way in which the CUPB celebrated its Foundation Day. It is a week-long celebration where the entire CUPB family had a chance to appreciate the talents of the students, and reflect not only on the beginning of the University, but also on the significant development since its inception. CUPB's Foundation Day celebrations gives us a sense of history, a sense of vision and mission of the University, and it is also a day of remembrance, a day of honouring, a day to celebrate what has been achieved over the past 8 years in general and the last one year in particular, and a day to look forward to what is yet to come. The way CUB appreciates and encourages the spirit of commitment, dedication, hard work, quality research and professionalism among students, faculties and staff is commendable as it gives a number of awards like, the Chancellor's Award, Vice Chancellor's Award for Best Student (Master level) and Best Female Student, Registrar's Award for the Best Non-Teaching Employee, and CUPB's Awards like Best Teacher Award, CUPB Research Awards for various outstanding performances in research. Apart from the striking advancement in academic achievement, the University also nurtures students with good and proper attitude and values. The CUPB offers countless opportunities for students to take part in all sorts of co-curricular activities, cultural programmes, sports, and community service with NSS to broaden their talent, experience, exposure and insight. With a great team of faculties, staff and excellent students, CUPB seeks a continuous and sustainable advancement in teaching, learning and research. As the Foundation Day celebrates the past glory and the present success, who we are and where we are going, CUPB is very proud of its past and present students, alumni, staff and the teaching community. Nevertheless, we perceive in CUPB the aspiration for more than what has been achieved so far with a sense of commitment, dedication, vision and mission, and with a continuous search for the space for improvement. This is the right direction to achieve the University's bright future ahead.

Events Organised

World AIDS Day Observed at CUPB

The NSS cell along with Vardaan-Health Awareness Club of CUPB organized an awareness programme on World AIDS Day on December 01, 2017. Poster making, painting and slogan writing competitions were organized to spread awareness of it among the students. Students enthusiastically participated in the event, the posters, paintings and slogans were judged by Dr. Kiran K. Singh, Dr. Biswajit Behera, Dr. Shamshir Dhillon and Mrs Shweta Arora. Mr. Narinder Kumar Bassi, social activist, a renowned community AIDS educator and recipient of the UN AIDS Civil Society award graced the occasion by his presence. Prof. P. Ramarao, Dean Academic Affairs presided over the closing and prize distribution ceremony and added that students and the peer educators would play a vital role in spreading awareness about AIDS.



Students participating in Poster Making competition

CUPB organized Ek Bharat Shreshtha Bharat Event

During the Rashtriya Ekta Divas held on October, 31, 2015, to commemorate the birth anniversary of Sardar Vallabhbhai Patel; Honourable Prime Minister propounded that cultural diversity is a joy that ought to be celebrated through mutual interaction & reciprocity between people of different States and UTs. To serve the said purpose, Andhra Pradesh was paired with Punjab for the year 2017. 40 Member delegation consisting of Nodal Officer Dr.



Audience lending ears to a lecture being delivered during the event

Vasuda Ranji Devnathan, Dr. Subash Kumar along with 3 non-teaching staff and 35 students from IISER, Tirupati visited Central University of Punjab, Bathinda from December 23 to 27, 2017. An activity calendar was prepared constituting excursions like visit to Takht Damdama Sahib, a Cricket match between CUPB and IISER, Tirupati, introduction with Punjabi alphabets and proverbs following a cultural program and the final visit to Sri Amritsar Sahib. Prof. R.K. Kohli, Honourable Vice-Chancellor, CUPB appreciated the concept of Ministry of Human Resources Development to give this opportunity to the students of Central Government Institute to strengthen the bond of unity by making themselves about the rich diversity of the nation and exchange their culture with each other. Honourable Vice-Chancellor introduced the students with the vision, mission and philosophy of CUPB and shared the achievements of the CUPB. Dr. Tarun Arora, Nodal Officer, introduced the State of Punjab in pre-independence era, post-independence era, prominent places, Sikhism, ten Sikh Gurus, Five Ks, Five Takahats, rituals, customs, dialect, Punjab and Bollywood, Noble laureates from Undivided Punjab, Bathinda 50 years before and now and folk dances.

National Youth Day Celebrated

The birth anniversary of Swami Vivekananda is celebrated as a National Youth Day on this occasion a district level speech competition on the topic of 'Relevance of Swami Vivekananda's Philosophy in 21st Century' was organized by the NSS Cell of Central University of Punjab, Bathinda on January 12, 2018. Swami Surya Dev, founder of Maharishi Yoga Ashram, Goniana Mandi, Prof. R. K. Mahajan (Rtd.), Chairman, Swami Vivekananda Study Circle, Bathinda and



Participants along with faculty members posing together

Shri. Narinder Bassi (Social Worker) were invited for the event. Swami Surya Dev, enlighten the students with different motivational and inspirational life experiences of Swami Vivekananda. Prof. R. K. Mahajan shared the importance and relevance of Swami Vivekananda's philosophy in the life of youth. Total 16 students, from Giani Zail Singh Campus College of Engineering and Technology, DAV College and

Central University of Punjab, Bathinda, took participation in speech competition. Karula Sharma and Bharat, students from CUPB got first and second positions respectively. Reetika Goyal, student of GZSCCET and Romanshu Garg, from CUPB shared the third position in speech competition.

Women's Day Celebrations

To commemorate the International Women's Day, NSS Cell of the university organised a lecture on "Laws for Sexual Harassment" by Prof. Nishtha Jaswal, Chairperson, Department of Laws, Panjab University, Chandigarh. Prof. Jaswal briefed the audience about the laws and penalties for sexual harassment. The lecture was followed by a declamation competition where students from various local schools and colleges participated. The event was graced by Ms. Avneet Kaur Sidhu, Indian shooter and Deputy Superintendent of police, Bathinda.



Prof. Nishtha Jaswal gracing the event with her address

6th Annual Sports and Athletics Meet at Central University of Punjab

From February 16, 2018 the 6th Annual Sports and Athletics meet began with full zeal and enthusiasm at campus of Central University of Punjab to mark the sportsman spirit today. The annual sports day celebration began with the flag hosting by Honourable Vice Chancellor, Prof R.K. Kohli, Central University of Punjab. Mr. Hargovind Singh Sandhu, Dronacharya Awardee and Former National Athletic Coach, was the chief guest on this 6th annual sports and athletic meet. The Chief Guest on this occasion encouraged and congratulated the students who have taken actively part in sports and athletics meet. While speaking on this occasion, Vice Chancellor, Prof R.K. Kohli, exhorted



Students taking part in 200 meters dash



Honourable Vice-Chancellor conferring the winners with trophy and medals

and motivated the students to mark the sportsmanship spirit at CUP campus. Prof. V.K. Garg, Dean Student Welfare, formally welcomed the guests and other dignitaries for their gracious presence on this occasion. Prof. (Dr.) Jagdeep Singh, Registrar, said that a sound mind lives in a healthy body. He congratulated all the students and faculty members and organiser of this 6th sports and athletic meet for organising a successful event.

In an inaugural event for girls, hundred meters race, Ramandeep bagged the first prize, Amandeep stood second and Shehnaz got third

prize. In another event of athletics, 200 meters boys, Ayan Roy bagged first, Baljinder bagged second and Md. Ibrahim stood third. On the first day of 6th annual sports and athletics meet, more than 400 students participated with full zeal and fervor in total 18 sports and athletic events of Badminton, Chess, Carom, Football, Cricket, Volleyball, Basketball, Kabbadi, 50 meters race for girls, 100 meters for boys, 80 meters for male faculty, 50 meters for female faculty members, fun games for students and faculty, shot-put for boys and faculty, discuss-throw for girls, 200 meters for boys and 100 meters for girls, relay race for faculty, three-leg race for girls and boys, long jump for boys and faculty members.

Foundation Week Celebration at CUPB

From February 23, 2018 Foundation week celebration began at the premises of Central University of Punjab, Bathinda. To mark the celebration of foundation week, several creative activities were organised by the students and faculty members of the university. Honourable Vice-Chancellor Prof. R.K. Kohli encouraged the students for doing creative and innovative events. In the series of a week-long event, the students and faculty members of the university organised various events like Rangoli Competition, Best out of Waste, Declamation Competition, Food Carnival, Solo/Group Song and Dance Competition and Documentary Contest with full zeal and enthusiasm. Students also showcased their talent in Convergence event especially organised by the Department of Computer Science and Technology related to their fields.

On February 26, 2018 students of CUPB participated in the cultural program which comprised Solo and group dance competition and Singing Competition. Padam Bhushan Awardee Prof. S.S. Johl, Chancellor, CUP, Bathinda was the Chief Guest on this occasion. Deputy Commissioner of Bathinda Sh. Diparva Lakra, IAS, and Maj. Gen. Beji Mathews were the Guest of Honor. Honourable Vice Chancellor Prof. R.K. Kohli, welcomed all the distinguish guests. On February 27, 2018 a Grand Cultural Bonanza, event was organised in association with Taruvar Kalayani Foundation in the university premises. The event was graced by famous Sufi singer Surinder Khan and Tarannum. On the same day winners from the various competitions were announced. In Rangoli Making Competition Divya, Deepti, Garima, Hartiu and Ankita won the first prize, Priyanka, Jaya, Vashu, Rajshree and Ayan won second prize, Mamta Thakur, Pallabita, Anagha, Vrindha P, Anaswara won third prize. In Best Out of Waste Competition Iqbal Gill, Shishir, Igona and Sheetal Dubey won first prize, Ginni Rani, Parikshita Rathore, Sonu Gupta, Priyanka Singh, KC Saini won second prize, Usha Yadav, Akriti, Anshika, Divya Sharma, Ankita Sharma won the third prize. In declamation competition, Karula Sharma won first prize, Vijay Jain won second prize, Aroof Aimen won third prize. In food carnival event, first prize was bagged by Aishwarya Puruseth, Ankita, Arifa, Suresh Gopi, Kapil, Navrattan Kaur, Pooja Bharti and Swayam, second prize was bagged by Mansi Garg, Samreet, Bhawna Ohri, Harshita, Priyanka, Imtiaz, Rakesh, Pavneet and third prize was bagged by Igona Gorakhnath, Sunayana, Suchismita Mahato, Sheetal Dubey, Digvijay Singh, Amit Kumar, Saurav Jindal and Shishir Upadhyay. In Solo Singing competition Tapan bagged first prize, Preetika won second, Devasish won third prize. In group song competition, Geo rockets won first prize. In Solo Dance Competition, Nishtha Kapoor won first prize, Bhavna Jodha won second prize and Alokesh won third prize. In group dance competition, Varinda and group won first and Varnali and group won second prize. In departmental cultural event, first prize was given to "One India Great India", second prize was given to "Nature", third prize was given to "Unavoidable" and fourth prize was given to "Life of a Farmer". In Quiz competition, Akansha and Shilpa stood first and team of Rabindra and Arshdeep Kaur stood second. In documentary making contest, documentary named "Respect Our Nation" won first prize. The prize winners were facilitated by the Chief Guest, Prof. S.S. Johl, Chancellor, CUP, Bathinda, Prof. R.K. Kohli, Vice Chancellor, CUP, Bathinda, Sh. Diparva Lakra, Deputy Commissioner, Bathinda and Maj. Gen. Beji Mathews. Prof. R.K. Kohli, congratulated all the prize winners, participants, organising teams, students and faculty members. Prof. Jagdeep Singh, Registrar, CUPB, express his gratitude and indebtedness to all the participants, guests and faculty who have organised such wonderful events.

Foundation Day Celebration concludes at CUPB

The Central University of Punjab organized a foundation day lecture to mark the success of CUPB on its 9th foundation day at University auditorium with full zeal and academic integrity. For this purpose eminent scientist and Professor Emeritus Ashok Sahni was invited to deliver foundation day address. Padma Bhushan Awardee and noted Economist, Prof. Sardara Singh Johl, Chancellor of the CUPB, presided over the event. Prof. R.K. Kohli, Vice Chancellor, CUPB introduced dignitaries Professor Emeritus Ashok Sahni and Padma Bhushan Awardee Prof. S.S. Johl, with their detailed profiles full of research and academic achievements.

Prof. Emeritus Ashok Sahni, delivered foundation day lecture on “Changing Earth Changing India: Landmark Geo-events”. He explained in detail about the asteroid impacts and its potential danger. He further talked about present day biodiversity and how human civilization which is just ten thousand years old came to existence before which most of the earth was covered with snow.

In his presidential address, Padma Bhushan Awardee, Prof. S.S. Johl said that in last eight years CUPB has raised its standards from a beginner to a master. He said CUPB is truly indeed a national university as it has students from 28 states and faculty from 16 states. He further added it is an honor for the Punjab for having an institute of national repute CUPB. He also congratulated the Vice Chancellor, Prof. R.K. Kohli, for the latest research achievements and securing the highest amount for research.

To encourage the spirit of research and work among students, faculty and non-teaching several awards were given to honor outstanding scholars of the CUPB. In this regard, Chancellor Award for Best Student Ph.D. was given to Shishir Upadhaya, Department of Animal Sciences, Vice Chancellor's award for Best Student (Master level) was given to Sushant Sagar, and Best Student Girl was given to Navjotpreet Kaur, Registrar Award for Non-Teaching Employee in administrative category was given to Ram Sharma, in technical category award was given to Parminder Singh and in supporting category was given to Umesh Kumar.

Best Teacher Award was given to Dr. Kousik Giri, Dr. Shahila Zafar, and Dr. Sudip Chakraborty. CUPB Research Award for sciences was given to Dr. Raj Kumar for his outstanding performance in research. CUPB Research Award in category two humanities and languages was given to Dr. S Pany, Education and Dr. Shahila Zafar. Outstanding Award for highest impact factor in each paper was given to Dr. Sudip Chakraborty and Dr. Jyoti Parkash. Outstanding Award for Cumulative Impact Factor was given Dr. Anil K. Mantha, Dr. Ashok Kumar, Dr. Sanjeev Kumar and Dr. Vinod Kumar. Certificate of Appreciation was given to Er. N.K. Verma, Dr. Satwinder Singh, Mr. Jyotiraditya Tirpathi, Ms. Bhawna Gautam, Mr. Gaurav Joshi for their outstanding contribution to CUP.

Prof. P Ramarao gave insightful information about the growth and development of the CUPB. Prof. Jagdeep Singh, Registrar, extended the vote of thanks for the successful completion of foundation week celebrations.

Glimpses of various events organized as part of Foundation Week Celebration



Mr. Surinder Khan performing at musical evening



Ms. Tarannum performing at musical evening



Food Carnival



The Best out of Waste Competition



Classical dance performance by a student



Traditional dance performance by a student



Rangoli making competition



Students performing during Unity in Diversity event

Rashtriya Aavishkar Abhiyaan Activities in CUPB

Rashtriya Aavishkar Abhiyaan programme of the university is inculcating an enquiry-based learning in the fields of Mathematics and Science. As a part of this programme the students from local schools and colleges are encouraged to visit CUPB to see, interact with faculty and have some awareness of the advanced science laboratories. On November 16, 2017 a total of 50 students and five teachers from various Govt. schools of Punjab visited Central University of Punjab to see the university museum, library, laboratories and other facilities of the University. The District Education Officer (Secondary) Mrs. Maninder Kaur interacted with the faculty of the university and apprised that such visit to the university can incline the students towards pursuing higher studies.



A research scholar introducing the visiting students with the lab instruments

The Department of Biochemistry and Microbial Sciences organized a visit of 40 students of B.Sc. Biotechnology from Maharishi Dayanand College, Sri Ganganagar on December 5, 2017. The faculty of the department interacted with the students and enlightened them with various career opportunities and prospects of Life Sciences subjects. The students were later shown the university museum, computer centre, library, laboratories and other facilities at the university.

Lectures/Invited Talks

1. Department of Economic Studies organized a lecture on "Rural Credit and Financial Penetration in Punjab and Himachal Pradesh" by Professor Satish Verma RBI Chair, CRRID, Chandigarh on December 11, 2017.

2. Department of South and Central Asian Studies organized a lecture on "Punjab during the British Period: A Perspective" by Prof. Gurinder Singh Mann, Retired Professor of Sikh Studies University of California, Santa Barbara –USA on December 19, 2018.

3. Department of Animal Sciences conducted an outreach program on January 15, 2018 on the topic "Career Opportunities in the Department of Atomic energy (DAE) Bhabha Atomic Research Centre Training Schools (BARCTS)". Mr Santosh Takale, Scientific Officer BARC and Dr Deepak Sharma, Scientific Officer F & Group Leader, Basic Immunology Research Radiation Biology & Health Sciences Division, BARC briefed the audiences about the significance of nuclear energy, its uses and its prospects to replace the non-renewable sources of energy.



Dr. Santosh Rudrawar during the presentation

4. Department of Geography and Geology organized a lecture on "Indian Space Programme and Natural Resource Management" by Prof. Bhagwan Singh Chaudhary, Department of Geophysics, Kurukshetra University, Kurukshetra on January 19, 2018.

5. Department of Pharmaceutical Sciences and Natural Products organised a lecture on "Chemical Probes as Tools to Study Carbohydrate-processing Enzymes" by Dr. Santosh Rudrawar, Griffith University, Australia on January 22, 2018.

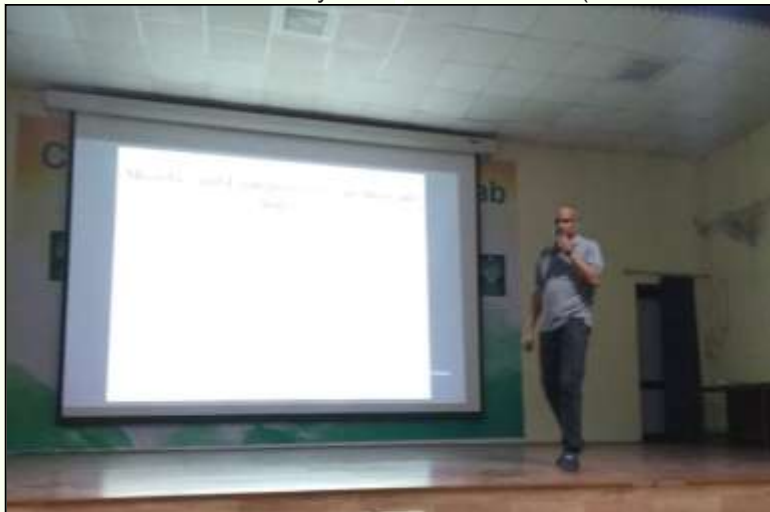
6. Department of Education and Student Counselling Cell organized lecture on “Psychological Disorders and Promoting Mental Health” by Dr. Vinay Mishra, Prof.& Dean, Humanities and Head of Department of Psychology from The Bhopal School of Social Sciences, Habibganj, Bhopal on February 6-7, 2018.

7. Department of Animal Sciences organised an invited talk by Prof. Tarlochan Bhatt on “Silica fibres and Carcinogenesis” University of Texas, USA on March 05, 2018.

8. Department of Biochemistry and Microbial Sciences organized a lecture on “Holistic Watershed Development Approach for Rural Development & Upscaling through an Empowerment Programme” by Prof. Debashis Banerji on March 16, 2018.

9. Department of Languages and Comparative Literature organised a lecture on “Post-colonialism: Theory and Criticism” by Prof. P.S. Ramana, Punjabi University Regional Center, Bathinda on March 12, 2018.

10. Department of Biochemistry and Microbial Sciences organized a lecture on “Challenges in Basic to Translational Research” by Prof. V.S. Chauhan (Padma Shri awardee), Chairman, Executive Committee, NAAC; Visiting Scientist International



Prof. R. Bhaskar during the lecture

Centre for Genetic Engineering and Biotechnology (ICGEB) New Delhi on March 19, 2018.

11. Department of Geography and Geology organized a lecture on "Introducing Microbiology in Earth System Sciences" by Prof. R. Bhaskar, FGS (Ind), FGGS, Director, Public Outreach, from Department of Environmental Science and Engineering, GJUST, Hisar on March 26, 2018.

12. Department of Applied Agriculture organized a lecture on “Experience of Technocrat to Become an Entrepreneur” by Mr. Jyoti

Swarup, General Manager, The Unnati Co – Operative, Marketing- Cum- Processing Society Limited, Talwara, Hoshiarpur on March 27, 2018.

13. Student Counselling Cell of CUPB organized a lecture on “Emotional Intelligence” by Prof. Vinay Mishra, Prof. and Dean, Bhopal School of Social Sciences, Bhopal on March 28, 2018.

Seminars/Conferences/Workshops



Stalwarts in the Seminar releasing the Souvenir



Prof. S. S. Marwaha during the lecture

1. Central Instrumentation Laboratory organized a Seminar on “Enhancing Analytical Capabilities” on February 9, 2018.
2. Department of South and Central Asian Studies organise a Two Days National Seminar in collaboration with Indian Council of Social Science Research (ICSSR) “India in South Asia: Changing Perspective in the 21st Century” on March 15-16, 2018.
3. Department of Law organized a one day workshop on “Right to Information” on March 20, 2018.
4. Student Counselling Cell of CUPB organized a two days workshop on “Mentoring of Students” on March 27-28, 2018.

Faculty Publications

1. **Akanksha Bhardwaj, Gh. Nabi Najar and Dr. Puneeta Pandey**, from Department of Environmental Science and Technology published a research paper titled "Geospatial technology applied to spatio-temporal assessment of Harike Wetland, Punjab" in *Journal of Lakes and Reservoirs: Research and Management* (Vol. 22; 349-363, 2017).
2. **Dr. A. L. Sharma, and Anil Arya** from the Department of Physical Sciences published a research paper titled “Structural, Microstructural and Electrochemical Properties of Dispersed Type Polymer Nanocomposite Films” in *Journal of Physics D: Applied Physics* (Vol. 51, 23, 2018).
3. **Dr. A. L. Sharma, and Anil Arya** from the Department of Physical Sciences published a research article titled “Structural, Electrical Properties and Dielectric Relaxation in Na⁺ Ion Conducting Solid Polymer Electrolyte” in *Journal of Physics: Condensed Matter* (Vol. 30; 26, 2018).
4. **Dr Vikas Jaitak, Ramit Singla** from Department of Pharmaceutical Sciences and **Kunj Bihari Gupta, Dr. Monisha Dhiman** from Department of Biochemistry and Microbial Sciences published a research paper titled “Design, Synthesis and Biological Evaluation of Novel Indole-Benzimidazole hybrids Targeting Estrogen Receptor Alpha (ER- α)” in *European Journal of Medicinal Chemistry* (Vol. 146; 206-219, February, 2018).
5. **Dr Vikas Jaitak, Ramit Singla** from Department of Pharmaceutical Sciences and **Kunj Bihari Gupta, Dr. Monisha Dhiman** from Department of Biochemistry and Microbial Sciences published a research paper titled “Design, synthesis and biological evaluation of novel indole-xanthendione hybrids as selective estrogen receptor modulators” in *Bioorganic & Medicinal Chemistry* (Vol. 26 (1); 266-277, 2018).
6. **Dr. Amit Kashyap and Mohd. Jameel** from Department of Law published an article “Achieving Gender Equality, Economic Justice And Competition Law in India” in *International Journal of Current Advanced Research--Granthaalayah* (March, 2018).
7. **Dr. Amit Kashyap and Sonia Garg** from Department of Law published an article “Critical Analysis of Anti-Competitive Agreements & Appreciable Adverse Effect on Competition in India” in *International Journal of Research* (March, 2018).
8. **Dr. Anil K. Mantha** from the Department of Animal Sciences and **Dr. Vinod Kumar** from the Department of Pharmaceutical Sciences and Natural Products published a research paper titled “Synthesis, biological evaluation and molecular modeling studies of phenyl/benzhydryl piperazine derivatives as potential MAO inhibitors” in *Journal of Bioorganic Chemistry* (Vol. 77; January, 2018).
9. **Prof. Anjana Munshi** from Department of Human Genetics & Molecular Medicine published a review article paper titled “BRCA1 mutation spectrum, functions and therapeutic strategies: The story so far” in *Current Problems in Cancer* (doi.org/10.1016/j.currproblcancer.2018.01.001).
10. **Prof. Anjana Munshi** from Department of Human Genetics & Molecular Medicine published a review article titled “A comprehensive analysis of BRCA2 gene: focus on mechanistic aspects of

- its functions, spectrum of deleterious mutations, and therapeutic strategies targeting BRCA2-deficient tumors” in *Journal of Medical Oncology* (Vol. 35; 331-01-2017).
11. **Dr. Ashok Kumar** from Department of Physical Sciences published a research paper titled “Stability and carrier transport properties of phosphorene-based polymorphic nanoribbons” in *Nanotechnology* (Volume 29, Page 155701 February, 2018).
 12. **Dr. Ashok Kumar** from Department of Physical Sciences published a research paper titled “Highly infrared sensitive VO₂ nanowires for a nano-optical device” in *Physical Chemistry Chemical Physics* (Vol. 20; 11109, March, 2018).
 13. **Dr. Monisha Dhiman, Kunj Bihari Gupta** from Department of Biochemistry and Microbial Sciences and **Dr. Anil K. Mantha** from Department of Animal Sciences and published a research paper titled “Inflammatory response of gliadin protein isolated from various wheat varieties on human intestinal cell line” in *Journal of Cereal Science* (March, 2018).
 14. **Dr. Sumedha Dutta** from Department of Sociology published a research paper titled “Book Review: Pranab Kumar Das (ed.). Decentralization Governance and Development” in *Sociological Bulletin* (Vol. 67; March, 2018).
 15. **Dr. Kamlesh Yadav, H. K. Singh, K. K. Maurya, G. D. Varma**, “Thickness-dependent magnetic and transport properties of La_{0.5}Sr_{0.5}MnO₃ thin films deposited by DC magnetron sputtering on the LaAlO₃ substrate”, *Applied Physics* (Vol. 124; 66, 2018).
 16. **Naseer Ahmad and Dr. Puneeta Pandey**, from Department of Environmental Science and Technology published a research paper titled “Assessment and monitoring of land degradation using geospatial technology in Bathinda district, Punjab, India” in the journal *Solid Earth* (Vol. 9; 75-90, 2018).
 17. **Prof. Anjana Munshi** from Department of Human Genetics & Molecular Medicine published article titled “Recent advances in HER2 positive breast cancer epigenetics: Susceptibility and therapeutic strategies” in *European Journal of Medicinal Chemistry* (Vol. 142; 316-327, December, 2017).
 18. **Prof. Ravinder Kumar Kohli** Vice Chancellor, Central University of Punjab published a research paper entitled “Exposure to 2100 MHz electromagnetic field radiations induces reactive oxygen species generation in *Allium cepa* roots” in *Journal of Microscopy and Ultrastructure* (Vol. 5(4); December, 2017).
 19. **Prof. Ravinder Kumar Kohli** Vice Chancellor, Central University of Punjab published a research paper entitled “Phytotoxicity and cytotoxicity of *Citrus aurantiifolia* essential oil and its major constituents: Limonene and citral” in journal of *Industrial Crops and Products* (Vol. 108; December, 2017).
 20. **Rohit Sharma and Dr. Kamlesh Yadav** from the Department of Physical Sciences published a research article titled “Effect of Lattice Defects on the Structural and Optical Properties of Ni_{1-x}Ag_xO (where X=0.0, 0.01, 0.03, 0.05, 0.10 and 0.15) Nanoparticles” in *Applied Physics* (Vol. 124; 88, 2018).
 21. **Dr. K. Shevkani**, from the Department of Applied Agriculture, published a research paper titled "Effect of degree of milling on physicochemical, structural, pasting and cooking properties of short and long grain Indica rice cultivars" in *Food Chemistry* (Vol. 260; 231-238, March 2018).
 22. **Shishir Upadhyay, Nidhi Sharma** from Department of Animal Sciences and **Kunj Bihari Gupta, Dr. Monisha Dhiman** from Department of Biochemistry and Microbial Sciences published a review article on “Role of Immune System in Tumor Progression and Carcinogenesis” in *Journal of Cellular Biochemistry* (March 2018, DOI: 10.1002/jcb.26663, 2018).

Conference/Presentations attended by faculty

1. **Dr. Anil K. Mantha** was invited for a talk on “Oxidative Stress Stimulates Metastatic Potential via Activation and Cross-talk between the Enzymes APE1, PKM2, and ENPP2 in Rat C6 and Human U-87 MG Glioblastoma Cells” at the “International Symposium on Cancer Prevention and Treatment”, organized by the Jawaharlal Nehru University (JNU), New Delhi, February 09-10, 2018.
2. **Dr. Chidanand Patil and Dr. Mohit Sharma** from the Department of Applied Agriculture presented a paper on “Recent trends and advancements in agricultural research: An Overview” in UGC sponsored National Conference (Multidisciplinary) on Recent Trends in Research organized by Jai Narayan Vyas University, Jodhpur, Rajasthan, March 11, 2018.
3. **Dr. Amit Kashyap and Mohd. Jameel** participated in the National Seminar on “Financial and Economic Regulations in India: Various Ramifications” organised by Faculty of Law, MDU, Rohtak and presented paper on “Achieving Gender Equality, Economic Justice and Competition Law in India” on February 18, 2018.
4. **Dr. Amit Kashyap and Pratibha Verma** participated in the National Seminar on “Changing Dimensions of the Right to Privacy in India” organised by Faculty of Law, Jamia Milia Islamia, New Delhi and presented paper on “Security, Safety and Privacy: An Indian Sovereign Access to Cyber Security” on March 25, 2018.
5. **Dr. Amit Kashyap and Roli Singh** participated in the ICSSR National Seminar on “India in South Asia: Changing Perspectives in the 21st Century” organised by Department of South and Central Asian Studies (including Historical Studies), CUPB, Punjab and presented paper on “The Encounter of the Technology with the Rapid Global Change” on March 15-16, 2018.
6. **Dr. Chidanand Patil** was awarded with third prize for best paper presentation in UGC sponsored National Conference (Multidisciplinary) on Recent Trends in Research organized by Jai Narayan Vyas University, Jodhpur, Rajasthan, March 11, 2018
7. **Dr. Monisha Dhiman** from Department of Biochemistry and Microbial Sciences presented an expert lecture on “Novel Approaches in Research for Agriculture and Biotechnology” in Faculty Development Programme at Baba Farid College, Bathinda, January 17, 2018.
8. **Dr. Monisha Dhiman** from Department of Biochemistry and Microbial Sciences was invited for a lecture on “Beneficial Effects of *Glycyrrhiza glabra* Extract in Doxorubicin-Induced Cardiotoxicity via Stabilising and Restoring the Mitochondrial Redox functions at “International Symposium on Cancer Treatment and Prevention” organized by the Jawaharlal Nehru University (JNU), New Delhi, February 09-10, 2018.
9. **Dr. Puneeta Pandey** from Department of Environmental Science and Technology presented a paper on “Study of Urban Heat Island in Bathinda City, Punjab” in National Conference on “Emerging Environmental Challenges and Sustainable Development” (EECSD-2018) organised by Society for Environment and Development and University of Delhi, March 21- 23, 2018.
10. **Gh Nabi Najar and Dr. Puneeta Pandey** from Department of Environmental Science and Technology presented a paper on “Drainage Morphometric Analysis of Watershed Basin in the Harike Pattan area of Punjab, India Using Remote Sensing and GIS Techniques” in National Conference on “Emerging Environmental Challenges and Sustainable Development” (EECSD-2018) organised by Society for Environment and Development and University of Delhi, March 21-23, 2018.
11. **Heena Singla and Prof. Anjana Munshi** presented paper entitled “Association of Genomic alterations with Disease-Risk and Response to Trastuzumab in HER2 Positive Breast Cancer” orally in Young Scientists Awards Session at Annual Meeting of Indian Society of Human Genetics-2018 at CSIR-Centre for Cellular and Molecular Biology, Hyderabad, March 12-14, 2018.
12. **Heena Singla, Gowhar Shafi, Rajesh Vashistha, Vinod Kumar and Prof. Anjana Munshi** presented poster entitled “Gene-based Association Studies in HER2 positive Breast Cancer in

Malwa Region of Punjab” at Har Gobind Khorana Memorial Symposium on “Genes, Genomes and Membrane Biology” held at National Agri-food Biotechnology Institute, Mohali, December 03-05, 2017.

13. **Kanika Vasudeva, Gowhar Shafi, Sulena Singh, Prof. Anjana Munshi** presented poster entitled "Genetic variation and therapeutic response to aspirin in ischemic stroke patients" in Har Gobind Khorana Memorial Symposium on Genes, Genomes and Membrane Biology organised by National Agri-Food Biotechnology Institute, Mohali, December 03-05, 2017.
14. **Kanika Vasudeva, Manas Ranjan Sahu, Sulena Singh, Anjana Munshi** presented poster entitled "Pharmacogenomics of aspirin resistance in ischemic stroke: Focus on UGT gene" in International conference on Trends in Biomedical and Biochemical Research: Advances and challenges organised by Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, February 13-15, 2018.
15. **Kanika Vasudeva, Sulena, and Prof. Anjana Munshi** presented poster entitled "Genetic susceptibility to ischemic stroke: A study in Malwa region of Punjab" in 43rd annual meeting of the Indian society of human genetics & Population and medical genomics organised by CSIR-Centre for Cellular and Molecular Biology, Hyderabad, March 12-14, 2018.
16. **Mamini Kumari Parida, Dr. Puneeta Pandey** from Department of Environmental Science and Technology presented a paper on “Study of trend of sedimentation in Chilika lake in relation with the land use changes in recent years using remote sensing and GIS” in National Conference on “Emerging Environmental Challenges and Sustainable Development” (EECSD-2018) organised by Society for Environment and Development and University of Delhi, March 21- 23, 2018.
17. **Naseer Ahmad and Dr. Puneeta Pandey** from Department of Environmental Science and Technology presented a paper on “Role of Geospatial Technology in Conservation, Monitoring and Management of Biological Diversity” in National Conference on “Emerging Environmental Challenges and Sustainable Development” (EECSD-2018) organised by Society for Environment and Development and University of Delhi, March 21- 23, 2018.
18. **Prashant Singh, Dr. Puneeta Pandey** from Department of Environmental Science and Technology presented a paper on “Assessment Of Organochlorine Pesticides In The Leaves Of Medicinal Plants In Bathinda City, Punjab” in National Conference on “Emerging Environmental Challenges and Sustainable Development” (EECSD-2018) organised by Society for Environment and Development and University of Delhi, March 21- 23, 2018.
19. **Ramanpreet Kaur and Prof. Anjana Munshi** gave an oral presentation entitled “Frequency of germline alterations in breast cancer susceptibility genes” in International Conference on Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry organised by Guru Jambheshwar University of Science and Technology, Hisar, February 21-23, 2018.
20. **Ramanpreet Kaur and Prof. Anjana Munshi** presented a Poster entitled “Analysis of Pro- and Anti-Inflammatory cytokine gene variants and serum cytokine levels as prognostic markers in breast cancer” on Har Gobind Khorana memorial Symposium on genes, genomes and membrane biology organised by NABI, Mohali, December 03-05, 2017.
21. **Saurav Kalra, Dr. Raj Kumar, Prof. Anjana Munshi** presented poster entitled “Association of CYP2C19*2 and ALDH*1/*2 variant with disease outcome in breast cancer patients: Results of Global screening array” in 43rd annual meeting of the Indian society of human genetics & Population and medical genomics organised by CSIR-Centre for Cellular and Molecular Biology, Hyderabad, March 12-14, 2018.
22. **Saurav Kalra, Dr. Raj Kumar, Prof. Anjana Munshi** presented poster entitled “Association of CYP2C19*2 and ALDH*1/*2 variant with disease outcome in breast cancer patients: Results of Next Generation Sequencing data” in Har Gobind Khorana Memorial Symposium on Genes, Genomes and Membrane Biology organised by National Agri-Food Biotechnology Institute, Mohali, December 03-05, 2017.

New Appointment

1. Appointment of Dr. Mohit Sharma (Assistant Professor, Agri-business on contractual basis) and Mr. Radhekrishan (Lab attendant, Department of Food Science and Technology).

Ph. D. Supervisions

1. Under the supervision of **Dr. Anil K. Mantha, Ravi P. Cholia** from the Department of Animal Sciences (Biosciences) successfully completed his Ph.D. thesis entitled "Oxidative stress induced cell proliferation and DNA repair mechanisms in glioblastoma cells: Role of ENPP2 and APE1". This work is a collaborative research where **Dr. Raj Kumar** from the Department of Pharmaceutical Sciences and Natural Products served as co-supervisor.
2. Under the supervision of **Dr. Anil K. Mantha, Shweta Thakur** from the Department of Animal Sciences (Biosciences) successfully completed her Ph.D. thesis entitled "A biochemical study to evaluate the role of Apurinic/Apyrimidinic Endonuclease 1 (APE1) in lung cancer progression". This work is a collaborative research where **Dr. Monisha Dhiman** from the Department of Biochemistry and Microbial Sciences served as co-supervisor.
3. Under the supervision of **Dr. Anil K. Mantha, Bibekananda Sarkar** from the Department of Animal Sciences (Biosciences) successfully completed his Ph.D. thesis titled "Organophosphate pesticides pester A β -induced genotoxicity responses in cultured neuronal cells: APE1/Ref-1 mediated intervention". This work is a collaborative research where **Dr. Sunil Mittal** from the Department of Environmental Science and Technology served as co-supervisor.

Research Grants received by faculty

1. **Dr. Ashok Kumar** from the Department of Physical Sciences received UGC startup grant of Rs. 6 Lakh, January, 2018.
2. **Dr. Sumedha Dutta** from Department of Sociology received a Research grant amounting to Rs. 7 lakh funded by Indian Council of Social Science Research (ICSSR), New Delhi, for the project "Voluntary Organizations, Drug De-addiction and Rehabilitation in Punjab: Sacred vs Secular Approaches", for a duration of 2 years starting from December, 2017.
3. **Dr. Sumedha Dutta** from Department of Sociology was selected as an exchange scholar for visiting Thailand for a duration of 20 days, under the ICSSR-NRCT Bilateral Exchange of scholars programme, by the Indian Council of Social Science Research (ICSSR), New Delhi and National Research Council of Thailand (NRCT), Bangkok for her project "Prospects of Agri-tourism and Sustainable Rural Development in North-east India: Lessons from Thailand", February, 2018.

Papers presented/Seminars/Workshops Attended by the Students

1. **Uttam Sharma** from the Department of Animal Sciences attended the International conference on Cell Death in Cancer and Toxicology (CDCT-2018) organized by CSIR IITR and Roswell Park Cancer Institute from February 20 - 22, 2018.

Student Achievements and Other Activities

1. **Ravi P. Cholia** from the Department for Animal Sciences joined as a Post-Doctoral fellow at the Department of Radiation Oncology, University of Arkansas for Medical Sciences, USA.



A visit of students to the Bathinda Chemicals Limited Industries

2. Visit to Distillery Industry

The Department of Biochemistry and Microbial Sciences organised a visit of the students to the Bathinda Chemicals Limited Industries at Hazi Rattan Link Road, Bathinda. Total 24 students of M.Sc. in Life Sciences (Microbial Sciences) along with the faculty of the department visited the industry which deals with the vegetable oil refining (physical and chemical), solvent extraction, oil extraction and distillery-ethanol production. The students were shown various machineries required for fermentation process, and visited the complete manufacturing process area where they saw rice milling plant, mash tank, and distillation unit. The students visited the quality control section, microbiology laboratory and the packaging section; it was an enthralling experience for the students.




3. Rural Immersion Module Completed

Students of First semester MBA (Agribusiness) Programme completed their Rural Immersion Module at Meemsa village, Dhuri Tehsil, Sangrur Dist. Punjab wherein they stayed in the farm of Mr. Pargat Singh for a period of 15 days wherein they got exposure to various agricultural and rural activities, organic farming, crop cultivation practices, dairy farming, direct marketing, poultry farming, fish farming, goat farming, milk processing, bakery unit, etc.

National level Examinations Qualified by the Students

- **CSIR-UGC JRF: Malaya Ranjan Behara**, Department of Biochemistry and Microbial Sciences






- **CSIR-UGC NET**

		
Arnold , Department of Biochemistry and Microbial Sciences	Priyanka Singh , Department of Biochemistry and Microbial Sciences	Sukriti Mishra , Department of Animal Sciences

- ICAR-NET**


Sandeep Kumar , Department of Biochemistry and Microbial Sciences

- **GATE**

				
Dev Madhubala , Department of Biochemistry and Microbial Sciences	Anjna Chavdi , Department of Biochemistry and Microbial Sciences	Chayan Mukherjee , Department of Biochemistry and Microbial Sciences	Riya Bansal , Department of Biochemistry and Microbial Sciences	Uttam Shrama , Department of Animal Sciences
			Aditi Banerjee , Department of Biochemistry and Microbial Sciences	Sushant Sagar , Department of Biochemistry and Microbial Sciences
Sunil Kumar Birua , Department of Animal Sciences	Sukriti Mishra , Department of Animal Sciences	Kanika Singh , Department of Animal Sciences		

Noble Laureates

Nobel Prize in Literature 2017: The Nobel Prize in Chemistry 2017 was awarded to **Sir Kazuo Ishiguro** British novelist, screenwriter, and short-story writer, born on 8 November, 1954 in Nagasaki, Japan. The award was given for his contributions “who, in novels of great emotional force, has uncovered the abyss beneath our illusory sense of connection with the world”.



Sir Kazuo Ishiguro

Nobel Prize in Peace 2017: The Nobel Peace Prize 2017 was awarded to “**International Campaign to Abolish Nuclear Weapons (ICAN)**” for its work to draw attention to the catastrophic humanitarian consequences of any use of nuclear weapons and for its ground-breaking efforts to achieve a treaty-based prohibition of such weapons. Through its work, ICAN has helped to fill this legal gap. An important argument in the rationale for prohibiting nuclear weapons is the unacceptable human suffering that a nuclear war will cause. ICAN is a coalition of non-governmental organizations from around 100 different countries around the globe. The coalition has been a driving force in prevailing upon the world’s nations to pledge to cooperate with all relevant stakeholders in efforts to stigmatise, prohibit and eliminate nuclear weapons. Till date, 127 countries have made such a commitment, known as the Humanitarian Pledge.

Source: <https://www.nobelprize.org>

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