



CUPB Newsletter

Vol. 2

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Central University of Punjab, ranks 12th amongst all 43
Central Universities of India (ResearchGate Inc. USA:
<https://www.researchgate.net>, data as on January 29, 2014)

Rank	Estd.	University	RG Score
1	1992	DU	5393.26
2	1916	BHU	5006.39
3	1920	AMU	3304.92
4	1974	Uni. Hyderabad	2920.76
5	1969	JNU	2600.23
6	1920	J. Millia Islamia	1677.77
7	1994	Tezpur Univ.	1283.64
8	1985	Pondichery Univ.	1227.07
9	1887	Allahabad Univ.	1057.42
10	1921	Vis. Bharati Univ.	1007.49
11	1973	NEHU	810.19
12	2009	CU Punjab	599.86
13	1946	HS. Gour Univ.	548.21
14	1996	BBA Univ.	489.51
15	1994	Assam Univ.	471.98



ਪੰਜਾਬ ਕੇਂਦਰੀ ਯੂਨੀਵਰਸਿਟੀ, ਬਠਿੰਡਾ
ਪੰਜਾਬ ਕੇਂਦਰੀ ਵਿਸ਼ਵਵਿਦ্যালਯ, ਬਠਿੰਡਾ
CENTRAL UNIVERSITY OF PUNJAB, BATHINDA



Vice Chancellor's *Message*

The Central University of Punjab is celebrating its fifth anniversary in February, 2014. The newsletter is indicative of the university's allround development and progress in academics, research, infrastructure and other convergent areas such as celebration of the culture of the region, eradication of social and environmental maladies and involvement with the region at grassroot levels.

The university made a modest beginning in 2009, and went on to initiate M.Phil.-Ph.D. Integrated Programme in four streams. The university provides all the necessary facilities of any institution of higher learning including a state of the art Computer Centre, Fitness Centre, well-endowed Library, various research and teaching laboratories for different centres and Central Instrumentation Facility with Atomic Absorption Spectrometer, Gas Chromatography Mass Specrometer, Confocal Laser Scanning and Field Emission Scanning Electron Microscopes used across the centres.

The university has attracted faculty from 12 states and students from 16 different states of India. The faculty of the university published 169 research papers since its establishment in 2009 with a cumulative impact factor of 159.27. The university has attained the highest rank in terms of *h*-index and citation index among the newly established central universities. Several eminent scholars from diverse fields are frequently invited to deliver lectures and interact with the faculty and students.

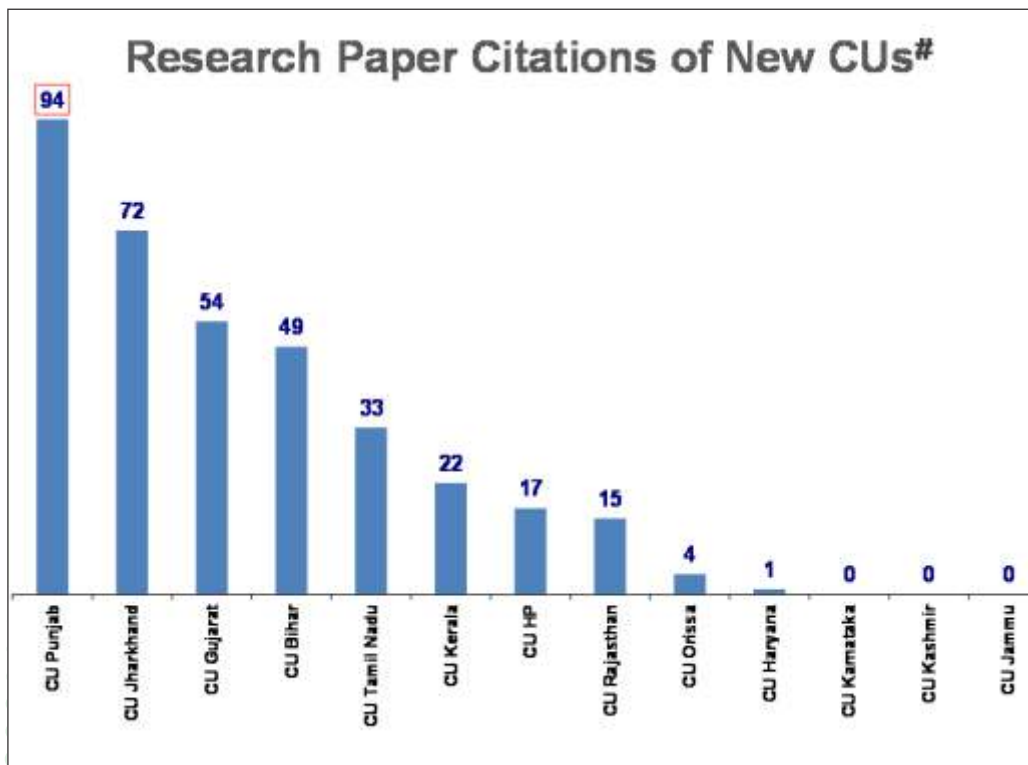
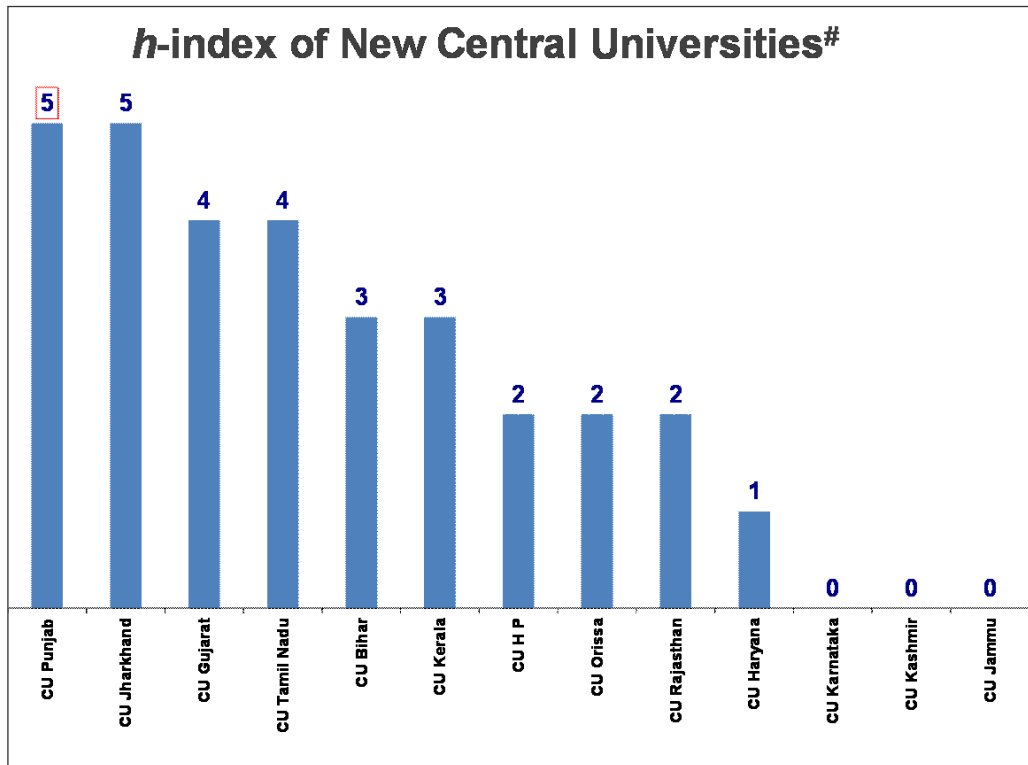
The university has been able to achieve the objectives proposed by the planning forums and statutory committees of the university, but a multidimensional effort requires to be put in to achieve designated long-term goals. The commencement of several new courses in the coming years is being planned such as M.Sc. in Human Genetics, Bioinformatics, and Genetic Diseases and Molecular Medicine, M.A. in Education and M.Ed.

I have a firm belief that the university will continue to make unprecedented advances in all these fields and will go on to become an institution of international repute.

Prof. Dr. Jai Rup Singh



University Ranks Highest amongst New Central Universities in terms of *h*-index and Citation Index



All data as on January 31, 2014

#Source: Elsevier Inc., USA

www.scopus.com



Research Gate Ranking with Respect to New Central Universities and Educational Institutes

Based on its research publications, the university has attained the highest rank in terms of ResearchGate score among the newly established central universities and new IITs.
(Source: <https://www.researchgate.net>)

All India Ranking of New Central Universities: ResearchGate, USA

University	Rank	University	Rank
CU Punjab	150	CU Tamil Nadu	672
HS Gaur Univ.	160	CU H. Pradesh	822
CU Rajasthan	214	CU Gujarat	1195
HNB Univ.	245	CU Orissa	2013
GG Univ.	315	CU Jammu	2983
CU Kerala	329	CU Kashmir	3073
CU Bihar	345	CU Karnataka	3144
CU Jharkhand	479	CU Haryana	n.a.

All India Ranking of CU Punjab Vs New IITs : ResearchGate, USA

Institute	All India Rank	RG Score
CU Punjab	150	599.86
IIT Hyderabad*	152	586.24
IIT Indore	216	407.28
IIT Ropar*	242	367.47
IIT Bhubaneswar*	271	323.62
IIT Mandi	300	273.09
IIT Patna*	326	245.11
IIT Jodhpur*	388	187.65
IIT Gandhinagar*	418	169.67

* Established in 2008

All data as on January 29, 2014
Source: ResearchGate Corporation,
Cambridge, MA 02142, USA
<https://www.researchgate.net>



Punjab Day Celebrated at CUPB

Central University of Punjab organised lectures by experts in history, economics, science and linguistics to celebrate Punjab Day on November 1, 2013. The Chief Guest on this occasion was Prof. Prithipal Singh Kapur, former Pro-Vice Chancellor, Guru Nanak Dev University, Amritsar. He gave his views about the construction of modern Punjab. Guest of Honour, Prof. M. S. Kang, former Vice Chancellor, Punjab Agricultural University, Ludhiana spoke on the importance of technology in agriculture and how new technologies being used in agriculture in advanced countries of the world can pave way for future prosperity of Punjab.



Prof. Kapur being felicitated



Prof. M. S. Kang during his presentation



Prof. Kapur and Prof. Ranjit Singh Ghuman during their lectures

Prof. Ranjit Singh Ghuman from the Centre for Research in Rural and Industrial Development, Chandigarh expressed his views on the economic situation of Punjab. He elaborated on the contribution of agriculture in the progress of Punjab and said that Punjab now needs to put efforts to develop other areas. Dr. Satnam Singh Ladhar, Joint Director (Environment), Punjab State Council for Science and Technology in his lecture said that only those countries are considered developed who have an abundance of natural resources but India is exhausting its natural resources for development.



Centenary Year of Ghadar Party Celebrated

A special lecture on “Remembering Ghadar Party Hero Kartar Singh Sarabha in Centenary Year” was organised by Centre for Comparative Literature on November 13, 2013. The speaker on the event was Dr. Chaman Lal, former Professor, JNU, New Delhi and former visiting Professor to the University of West Indies. He has written extensively on Sardar Bhagat Singh and Ghadar Movement. Dr. Chaman Lal began with introducing the Ghadar Party and its objectives, presented a brief biography of Sardar Kartar Singh Sarabha showing photographs of his ancestral home and glimpses from his life.



Prof. Chaman Lal being felicitated by the Vice Chancellor

Bathinda Cycle Club members visit CUPB campus

A group of citizens of Bathinda, under the auspices of Bathinda Cycle Club, visited the university on the occasion of World Energy Conservation Day on December 14, 2013 riding their bicycles seeking awareness about the development activities of the university. The visitors were informed of the cultural, social, literary and scientific programmes undertaken for the overall improvement of the students and the faculty and also for the community of the region by the university. The visitors appreciated these efforts and promised support to such programmes for community development in the region.



Bathinda Cycle Club members during their visit



A Programme in Honour of Bhai Kahn Singh Nabha

The Centre for Comparative Literature at the Central University of Punjab, Bathinda, has started a series of conducting literary lectures on unmatched literary figures. In this series the centre has commemorated stalwarts like poet Shiv Kumar Batalvi, critic Prof. Pritam Singh and playwrights Balwant Gargi and Gursharan Singh. Continuing this series the centre organised a programme in remembrance of the eminent Sikh scholar and writer Bhai Kahn Singh Nabha on November 25, 2013. Eminent scholar Dr. Jagmail Singh Bhathuan who has researched on Bhai Kahn Singh, spoke about his teachings and his contributions. Prof. J. S. Grewal, Former Vice Chancellor, Guru Nanak Dev University, Amritsar and Major Adarsh Pal Singh, the grandson of Bhai Kahn Singh also spoke about various aspects of his personality. A documentary film on the life and works of Bhai Kahn Singh prepared by Dr. Bhathuan was also shown.



Prof. J. S. Grewal being felicitated



Major Adarsh Pal Singh during his presentation



University Students and Faculty Visit the Upcoming Main Campus at Ghudda

The main campus of Central University of Punjab is coming up in an area of 500 acres situated at village Ghudda on Bathinda-Badal road. A trip for the students and faculty of the university was organised to the upcoming main campus on December 24, 2013. A total of 325 students and around fifty faculty members and officials visited the university site. The students studied the biodiversity at the main campus and took photographs. They also familiarised themselves with the flora and fauna of the campus site. The students organised a cultural programme comprising of songs, mimicry, dance and folk songs on the occasion.





Celebration of World Hindi Day at Central University of Punjab

Central University of Punjab celebrated World Hindi Day on January 10, 2014 with a special lecture by eminent scholar of Hindi, Prof. Chaman Lal on "The Importance of Hindi as a World Language". The programme was organised by Official Language Implementation Committee of the university.



INSPIRE Internees Visit City Campus

A group of school students from science streams attending an INSPIRE internship camp at Fateh College for Women, Rampura Phul visited the City Campus of Central University of Punjab on January 6, 2014 to get acquainted with the courses, laboratories and research programmes of the university. These students were in the last stage of their "Inspire Internship Camp" organised for 5 days under the sponsorship of Ministry of Science and Technology, Government of India with the theme of "Innovation in Science Pursuits for Inspired Research". The internees were given general information about the university programmes and facilities.

First Innovators Day Organised

The university organised its 'First Innovators Day' on Friday, January 17, 2014 at its City Campus. As per the directions of the Honourable President of India, Sh. Pranab Mukherji, Central University of Punjab, Bathinda has taken an initiative to institute an Innovators Club. Members of the Innovators Club are Dr. R. C. Sharma, Dr. Sunil Mittal and Dr. Sandeep Kaur. The one day celebration was the first activity in a series of events to be organised by the newly formed Innovators Club to recognise the unacknowledged innovations which could provide solutions to the emerging requirements and needs of the society in day-to-day activities.



Prof. J. S. Hundal



Prof. R. K. Tuli inspecting the exhibition



Colourful exhibition of plants, models being inspected by visitors and the Vice Chancellor

Keynote speaker Prof. J. S. Hundal, Director, Giani Zail Singh, Punjab Technical University Campus, Bathinda, said that the innovations and technology development should not be at the cost of environment. Chief Guest Prof. R. K. Tuli, Former Director, National Agri-food Biotechnology Institute, Mohali, in his lecture discussed various programmes undertaken at global level to encourage the innovations world over.

The exhibition of innovative models for general public was organised from 12 pm to 4 pm. A total of 50 models from the participants entered the competition in different categories of school children, college students and farmers. The main idea behind organising this exhibition was to provide a stage to the innovators to share their unique ideas which fail to get recognition otherwise.

Republic Day Celebrated

Republic Day was celebrated on January 26, 2014 with zeal and enthusiasm at the university. The national flag was hoisted by the Vice Chancellor who in his address emphasized that the rights and duties of citizens must go hand in hand. Prof. P. Ramarao, Dean, Academic Affairs also addressed the gathering. Students from different states presented folk and patriotic songs in their languages. This year, the university felicitated the founder employees of the university by giving them certificates and mementos for their services in the formative years.



Vice Chancellor hoisting the national flag



Students' Corner

Central University of Punjab Student Gains Lucrative Placement

Central University of Punjab has put the augmentation and development of work placement opportunities at the heart of its strategic vision. Its objective is to provide an enriching educational experience for all students. To achieve this objective, the university makes a commitment to provide placement intensive learning, and preparing students to become professionals who can contribute positively and effectively in their workplace. The result of this strategy of the university has started showing its impact in the job market. Mr. Vinay Kumar Gupta, an M.Pharm. student from the university received a job offer from a multinational company, Evalueserve at Gurgaon with an attractive package. Mr. Gupta was able to achieve this success after clearing a rigorous selection process which included a written test, technical interview, mental ability test and an HR round. Central University of Punjab congratulates Mr. Vinay Gupta for his achievement and wishes him greater success in future.

Student Achievements

Sheetal, Ashish Ranjan Dwivedi and Dr. Vinod Kumar from Centre for Chemical and Pharmaceutical Sciences presented a poster titled "Synthesis of Some Piperazine Containing Scaffolds as Potential MAO Inhibitors" during 50th Annual Convention of Chemists, December 04-07, 2013; Department of Chemistry & Centre for Advanced Studies in Chemistry, Panjab University, Chandigarh.

CUPB Students Qualified National Level Competitive Examinations

The university conducts free classes for preparation of competitive examinations for its students. In a fruitful culmination of this venture, several students of the university successfully qualified various competitive examinations such as GATE, ICMR, JRF, RGNF, UGC-NET and others during 2013-14.

Centre Name	S. No.	Name of Student	Achievement
Centre for Biosciences	1.	Navgeet	GATE 2013
	2.	Navrattan Kaur	GATE-2013
	3.	Amandeep	GATE 2013
	4.	Rashmi Saini	ICMR-JRF 2013
	5.	Renu	GATE 2013
	6.	Sapna	GATE 2013 ICMR-JRF 2013
	7.	Shruti Chaudhary	CSIR-UGC-JRF 2013



Centre Name	S. No.	Name of Student	Achievement
Environmental Sciences & Technology	8.	Harmandeep	DST Inspire 2012-13
	9.	Gulam Nazar	ARS-JRF 2013
	10.	Amit Kumar	ARS-JRF 2013
South & Central Asian Studies Comparative Literature	11.	Manpreet Kaur	RGNF 2014
	12.	Chitra	UGC NET Dec. 2013 RGNF 2014
	13.	Devendra Gora	RGNF 2013
Chemical and Pharmaceutical Sciences	14.	Arvind Negi	GATE 2013
	15.	Jimi Marin Alex	MANF 2014
Computer Sciences	16.	Deepika Dhiman	GATE 2013
	17.	Khushmeet Singh	GATE 2013

New Additions to the Faculty

S.No.	Name	Designation	Date of Joining
1.	Dr. Desh Deepak Singh	Professor Centre for Genetic Diseases & Molecular Medicine	11.11.2013
2.	Er. Navjot Sidhu	Assistant Professor Centre for Computer Science & Technology	11.11.2013
3.	Prof. R. C. Sharma	Professor School of Environment & Earth Sciences	25.11.2013
4.	Dr. Shamshir Singh Dhillon	Assistant Professor Centre for Education	28.11.2013
5.	Prof. Chaman Lal	Professor Centre for Comparative Literature	16.12.2013
6.	Dr. Satvinder Kaur	Assistant Professor Centre for Education	17.12.2013
7.	Dr. Shireesh Pal Singh	Assistant Professor Centre for Education	18.12.2013
8.	Dr. Anjana Munshi	Associate Professor Centre for Human Genetics	06.01.2014
9.	Dr. Harish Chander	Assistant Professor Centre for Genetic Diseases & Molecular Medicine	20.01.2014



Publications of the Faculty

- Bast, F., Rani P, Meena D.**(2014).Chloroplast DNA Phylogeography of Holy Basil (*Ocimum tenuiflorum*) in Indian Subcontinent. *The Scientific World Journal* 847482. DOI: 10.1155/2014/847482.
- Bast, F.**(2013).Sequence-based Phylogeography of Seaweeds: How current distribution is shaped by accumulation of past? *Kuroshio Science*.**7(1)**: 103-106.
- Bast, F.** (2013).Agronomy and Cultivation Methods for Edible Seaweeds. *International Journal Agriculture and Food Science Technology*.**4 (7)**: 661-666.
- Chandran A., Prakash J., Naik K. K., Srivastava A. K., Dabrowski R., Czerwinski M., Biradar A. M.** (2014). Preparation and Characterization of MgO nanoparticles/ferroelectric Liquid Crystal Composites for faster Display Devices with Improved Contrast. *Mathematical Chemistry*. DOI: 10.1039/c3tc32017k.
- Dhamir A., Arora H. R.** (2013). Shamlat/Bachat Land: Use and Occupation. *Punjabi University Law Journal* (**6**):190-197.
- Kaur J.,Yogalakshmi K. N.** (2013). Screening of Quorum Quenching Bacteria in Dairy Industry Wastewater. *Proceedings on International conference on Health, Environment and Industrial Biotechnology ICHEIB (BioSangham 2013)*. Mc Graw Hill Education (India) Private limited. 23-26.
- Kaushiki, N.** (2013). The New Great Game and India's Connect Central Asia Policy: Strategic Perspectives and Challenges. *Journal of International and Area Studies*.**20 (2)**: 83-100.
- Kaur R.** (2013). Textual Semantics of "Var Sri Bhagauti Ji Ki". *Journal of Sikh Studies*. Guru Nanak Dev University, Amritsar. XXXVI: 89-98.
- Kaur R.** (2013). "Heer": Path Vigiyanak Vishleshan. *Samdarshi*. Punjabi Academy, New Delhi. **134**: 82-92.
- Kaur R.** (2013). Anand To Brehmand: Guru Nanak Bani Darshan, Guru Nanak's Contribution to Indian Philosophy. *Seminar Proceeding*, Guru Nanak Dev University, Amritsar. 75-80.
- Mantha A. K., Sarkar B., Tell G. A.** (2013). Short Review on the Implications of Base Excision Repair Pathway for Neurons: Relevance to Neurodegenerative Diseases. *Mitochondrion*. DOI: 10.1016/j.mito.2013.10.007.
- Man W., Fardad S., Zhang Z., Prakash J., Lau M., Zhang P., Heinrich M., Christodoulides D. N., Chen Z.** (2013). Optical Nonlinearities and Enhanced Light Transmission in Soft-Matter Systems with Tunable Polarizabilities. *Physics Review Letters*.**11(218302)**: 1-5.
- Parihar, S.** (2013). Shared Heritage: Wall Paintings from Naurangabad. *Indian Painting: Themes, Histories, Interpretations – Essays in Honour of B.N. Goswamy*, eds. Mahesh Sharma and Padma Kaimal. Mapin, Ahmadabad: 267-275.
- Singh, P., Bast, F.** (2013). Insulin Receptor (IR) and Insulin-like Growth Factor Receptor 1 (IGF-1R) Signaling Systems: Novel Treatment Strategies for Cancer. *Medical Oncology*. DOI:10.1007/s12032-013-0805-3.

Participation in Scientific Meetings/Workshops

Dr. A. K. Mantha presented his work "Amyloid beta induced genotoxicity: what protects



neurons?" in International Conference on Neuroscience organised by Department of Zoology, School of Life Sciences Ravenshaw University, Cuttack, India, November 9-11, 2013.

Prof. Chaman Lal delivered a lecture on "Books in Modern World: Interrelations between Literature and Online Media" as keynote speaker at Mata Sundari Punjabi University Girls College, Mansa, January 5, 2014.

Dr. D. D. Singh delivered a guest lecture on "Microbial lectins and host interactions" in International Carbohydrate Symposium-27 at IISc Bangalore, January 12-17, 2014.

Dr. Felix Bast presented his work as oral presentation on "*Sargassumzhangii* invades India" in National Conference on "Climate Change, Environmental and Sustainable Development" at Jamia Hamdard, New Delhi, December 9-10, 2013.

Dr. H. R. Aroraco-chaired a Session on "Human Rights" and presented his work "Law in Globalized Era: Issues and Challenges" in a National Seminar on "RTI Act and its Social Impact" at Department of Law, Panjabi University, Patiala.

Dr. Jai Prakash presented his work "High contrast faster display devices based on MgO nanoparticles/ferroelectric liquid crystal composites" at 20th National Conference on Liquid Crystals (NCLC - 2013), Department of Chemistry, Manipal Institute of Technology, Manipal, December 16-18, 2013.

Dr. Monisha Dhiman presented her work entitled "Inflammatory and Oxidative Stress Responses Activated by Pollen Extracts in Human Lung Carcinoma A549 Cells" in an International Conference on "Recent Advances in Cancer Prevention and Therapeutics" organised by Central University of Gujarat, Gandhinagar, November 19-20, 2013.



Dr. Ramanpreet Kaur presented her paper on "*Anand Ton Brehmand : Guru Nanak Bani Darshan*" in a National Seminar on "Guru Nanak Dev's Contribution to Indian Philosophy" organized by Department of Guru Nanak Studies, Guru Nanak Dev University, Amritsar, November 22-23, 2013.

CUPB Faculty Features on Journal of American Heart Association (JAHA) Webpage

Dr. Monisha Dhiman's paper was accepted by the editorial board and her work entitled "MnSOD^{tg} Mice Control Myocardial Inflammatory and Oxidative Stress and Remodeling Responses Elicited in Chronic Chagas Disease" was featured on Journal of American Heart Association (JAHA) webpage. The webpage also did a feature on the author's profile.



Master Plan of the Main Campus at Ghudda Approved

The Building Advisory Committee of the university approved the Master Plan of the Main Campus which is coming up on a 500 acre site at Village Ghudda. M/s Engineers India Ltd., a Government of India Enterprise will be the Project Monitoring Consultants. The plans have been submitted to Punjab Urban Development Authority for approval and other clearances.



DAY CARE CENTRE GETS MULTI-ACTIVITY PLAY STATION



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Patron

Prof. Dr. Jai Rup Singh

Vice Chancellor

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