

THE PUNJAB UNIVERSITY QUALITY ENHANCEMENT CELL

PUQEC

PATRON IN CHIEF: PROF. DR. NIAZ AHMAD AKHTAR
CHIEF EDITOR: PROF. DR. MUHAMMAD SHAFIQ

BULLETIN

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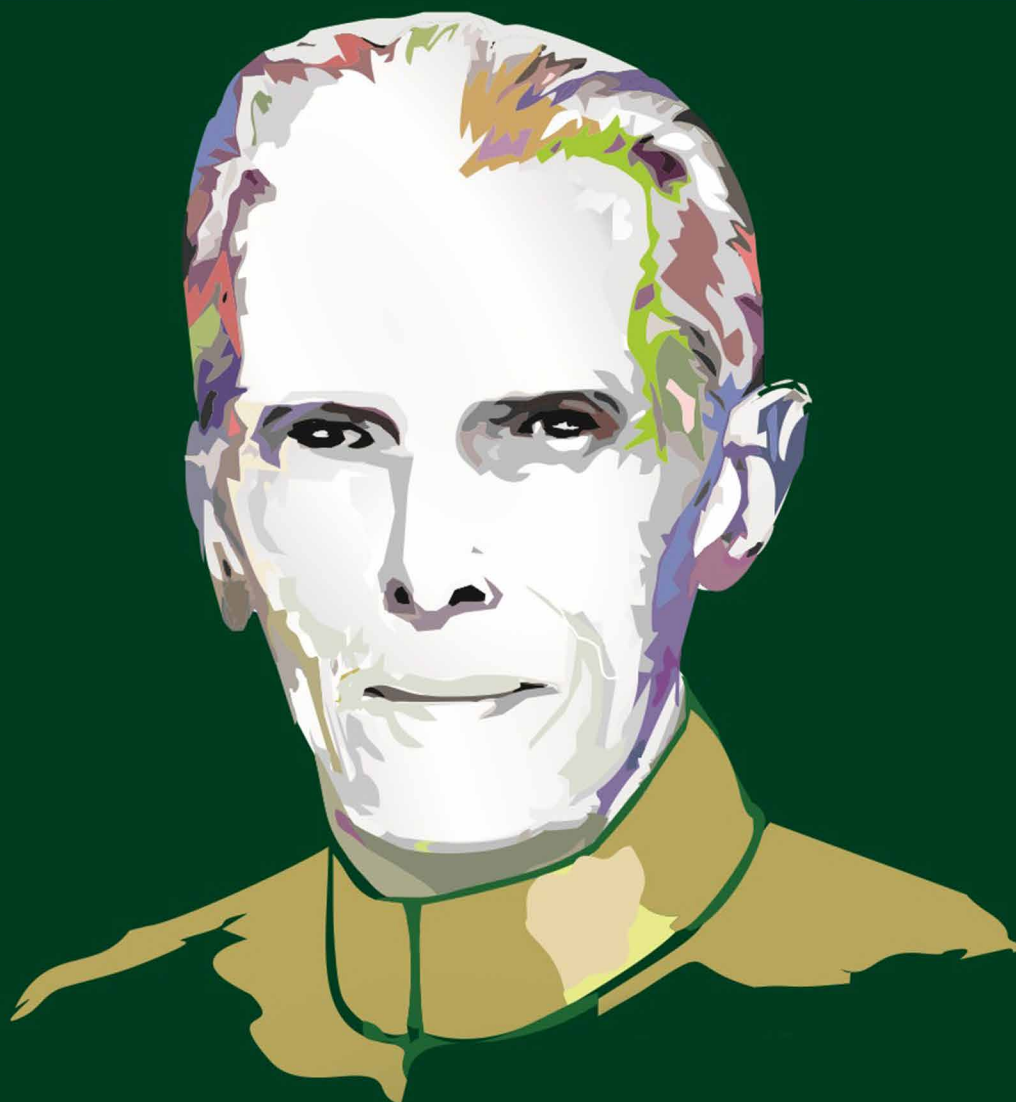


Chinese VP's Visit
to Promote
Pak-China Ties: VC

MESSAGE FROM
Prof. Dr. Niaz Ahmad Akhtar
Vice Chancellor
University of the Punjab



Hiba Rehmani
Pakistani **NASA Engineer**
Urges Girls to Pursue
Space Science Career



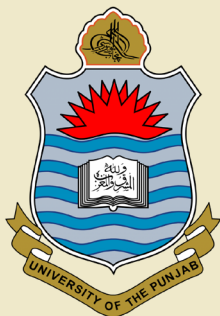
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Develop a sound sense of discipline, character, initiative and a solid academic background. You must devote yourself wholeheartedly to your studies, for that is your first obligation to yourselves, your parents and to the State. You must learn to obey, for only then you can learn to command.

Islamia College Students, Peshawar, 12 April, 1948.



THE PUNJAB UNIVERSITY QUALITY ENHANCEMENT CELL
PUQEC
BULLETIN



Message from

Prof. Dr. Niaz Ahmad Akhtar
Vice Chancellor



It is indeed a matter of immense pleasure and gratitude for me that the University of Punjab enjoys a respectable position as a seat of learning amongst the world well-reputed universities on account of its rich cultural heritage and accessible opportunities being provided to a multitude of our youth for attaining quality education at an affordable fee structure.

It is pertinent to mention that by Divine grace significant improvement has been made in the sphere of learning culture and imparting higher education at the University. Innovative research in various new disciplines and new scientific courses has recently been introduced which will greatly help to cultivate an atmosphere essential for acquiring a high academic standard.

It is commendable that the University of the Punjab has created a modern infrastructure to make it possible for students to update their knowledge in various scientific disciplines since modern technology has become an essential vehicle of rapid progress. At the same time, the University has been quite successful in maintaining a balance

between modern trends in education and its old traditions.

As Vice-Chancellor, I am confident that efforts to excel in the field of higher education and the inculcation of moral values in the students at the University Campus will continue in the future with great zeal and zest. Since we are living in the age of mediated information and knowledge-based economy that is why the PUQEC bulletin initiative was need of the hour to serve its purpose of disseminating quality information with its stakeholders objectively.



**I AM DETERMINED
TO RAISE THE
PRODUCTIVITY OF
OUR GRADUATES
THROUGH QUALITY
EDUCATION AND
PRACTICAL KNOWLEDGE
TO CONTRIBUTE IN A
SIGNIFICANT WAY TO
THE NATIONAL ECONOMY.
(VC PU)**

Our Vision:

University of the Punjab intends to be a leading public university in providing affordable educational opportunities to develop scientific, socio-cultural, economic and political leadership, through learner-centred teaching and research, while consolidating our identity at National and International level.

Our Mission:

To provide a holistic education with two fold benefits. Firstly; the young people are nurtured to be sensitive, tolerant, humane and capable of thinking in a creative and critical way. Secondly, they armed with a sense of history and equipped with knowledge and expertise, the graduates whom we send out into the world are in a better position to develop their leadership potential and make a positive contribution to public life; their action and attitudes will reflect their education.

Our Goals:

- Improvement in quality and standard of education
- Promotion of development-oriented applied research
- Accountability in finances and academic programs.
- Character development with emphasis on morality and growth of maturity.



PROF. DR. MUHAMMAD SHAFIQ
Director QEC

PROFESSOR, INSTITUTE OF QUALITY
AND TECHNOLOGY MANAGEMENT,
UNIVERSITY OF THE PUNJAB



**QUALITY IS THE
RESULT OF A
CAREFULLY
CONSTRUCTED
CULTURAL
ENVIRONMENT.
IT HAS TO BE THE
FABRIC OF THE
ORGANIZATION,
NOT A PART OF
FABRIC
(PHILIP B. CROSBY)**

THE PUNJAB UNIVERSITY QUALITY ENHANCEMENT CELL (PUQEC)

At Punjab University, the essence of quality and excellence in education and research is based on the focus and ownership on Quality Assurance (QA) processes and Quality Enhancement (QE) practices.

The QEC at PU is committed to ensure quality, as per the norms, in all the processes and procedures; striving to meet the core values and standards that reflects its strategic vision for the years to come.

For imparting high quality education, the University of Punjab, envisioned to become a world top class center of excellence for education, research and development. In 2006 the PU marked its progressive mission by establishing the Quality Enhancement Cell (QEC) and since then has taken bold initiatives to accomplish, manage and augment quality at all cadres such as university management, academic and administration. It follows the quality assurance guidelines of HEC as well as International level quality assurance standards that facilitate PU's participation in the world university rankings.

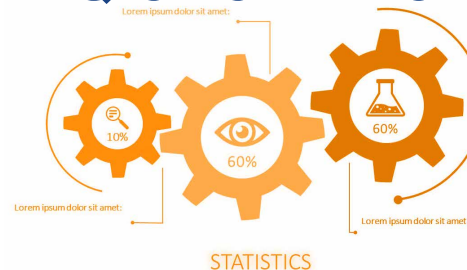
The QEC, as an essential component of PU management, is dedicated to an effective implementation of Quality Standards, processes of Quality Assurance and Management System, and continually reviewing the progress for enhancement of quality as per PU Quality Policy. Since its inception, the PU QEC team at Principal Seat, in coordination within all the departments, has been responsible for bringing realization to all stakeholders that the Quality Assurance program (a Continuous Improvement Process for improving quality in Teaching, Programs, Curricula and Research) is helpful in improving the quality of their professionalism towards the deliverance of quality education. To create awareness about quality, QEC is continually involved in developing a quality mind set in the university at student, faculty, and management levels, so that a quality culture becomes the best practices at PU.



QEC OBJECTIVES

- To have focused attention on quality assurance aspects of higher education.
- To monitor the ongoing quality move in University of the Punjab.
- To meet the challenges of global compatibility in higher education.
- To develop a viable and sustainable mechanism of quality assurance in University of the Punjab.

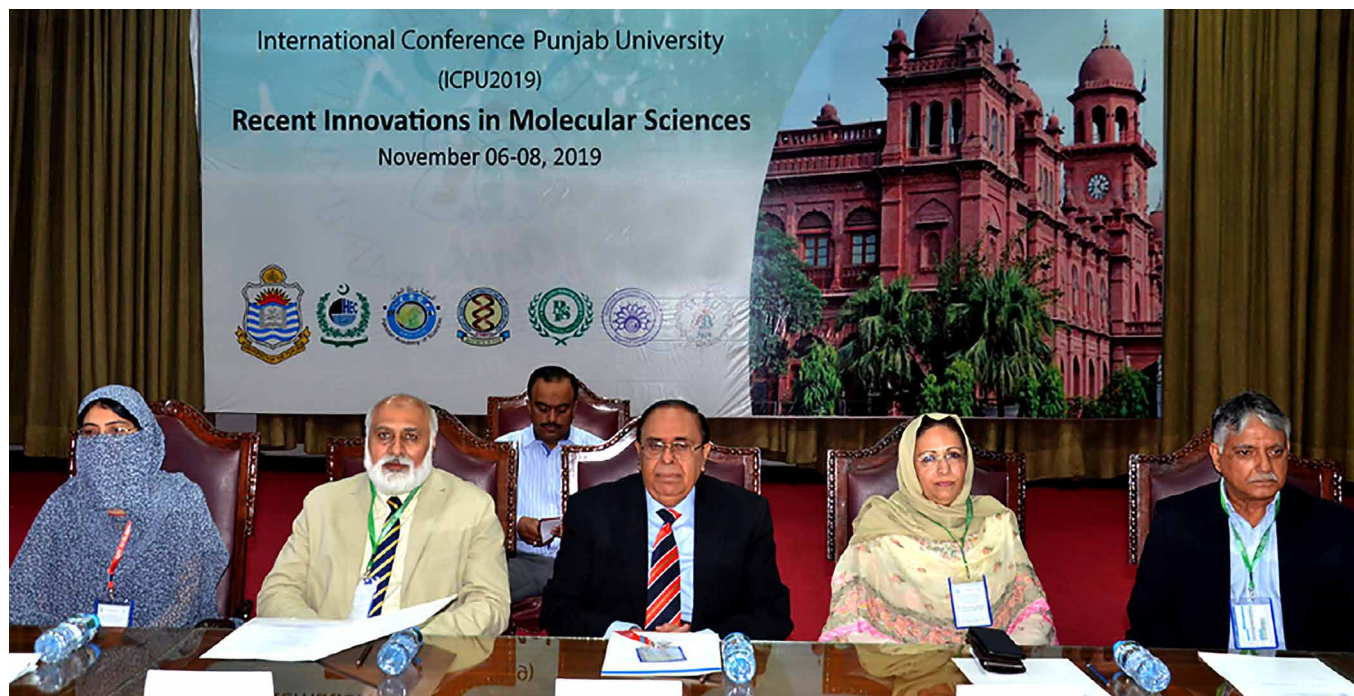
QEC ACTIVITIES



For making Punjab University hub of quality in Pakistan the Quality Enhancement Cell (QEC) performing the following activities:

- Quality Assurance and Assessment of Academic Programs in University of the Punjab.
- Quality Awareness Trainings in University of the Punjab.
- Participation in meetings of Statutory and non-statutory Bodies.
- Internal Institutional Performance Evaluation of University of the Punjab.
- External Institution Performance Evaluation of University of the Punjab by HEC.
- Review of M. Phil/Ph.D programs as per HEC guidelines and university statutory requirements.
- Preparation for Third Party Evaluation of QEC by World Bank Team and other world certifying bodies.
- PU Preparation and Participation for HEC Ranking
- PU Preparation and Participation for QS University Rankings including Asian University Ranking and World University Ranking.
- Best University Teacher Award (HEC).
- International Standardization Certification.
- National/International Publications.
- Membership of Associations/ Networks around the globe.

KNOWLEDGE ECONOMY COULD TRIGGER SOCIO-ECONOMIC CHANGE: DR. ATTA UR REHMAN



PUQEC Bulletin: Former HEC chairman and Vice Chairman of Prime Minister Task Force on Technology Driven Knowledge Economy Prof Dr Atta ur Rehman has said that knowledge is key driver for socio-economic development of any country and our Universities direly needed funding to contribute in development of Pakistan. He was addressing the inaugural session of international conference on “Recent Innovations in Molecular Sciences” at Faisal Auditorium”.

PU Vice Chancellor Prof Dr Niaz Ahmed, Dean Faculty of Life Sciences Prof Dr Firdous-e-Barin, School of Biological Sciences Director Prof Dr Waheed Akhter, Prof Dr James H. Naismith from UK, Prof Dr Paul A Gleeson from Australia, Prof Dr Zengyi Chang from China, faculty members from the faculties of life sciences, sciences, pharmacy and health sciences, over 1000 young scientist, researchers, prominent scientists from USA, UK, Australia, France, China, Iran, Kingdom of Saudi Arabia, Russia as well as from all over Pakistan participated in the conference.

Addressing the conference, Prof Dr Atta ur Rehman said that the countries which have invested in education were making rapid progress in the world. He said that Pakistan had also made rapid progress in higher education sector in the past decade. He said that in 2018, Pakistan had defeated India in per capita research output and Pakistani researchers’ number of publications per 10 million individuals was 916

while Indian researchers’ was 708. He said that Nature publishing group on December 20, 2018 has ranked Pakistan number 1 among the countries with biggest rises in research output, leaving Egypt, Mainland China, Hong Kong, India, Brazil, Mexico and other countries far behind. He said that according to Thomson Reuters in its report issued in 2016, Pakistan had emerged as the country with the highest percentage of Highly Cited Papers compared with Brazil, Russia, India and China. He said that Singapore was one of the best examples of the countries that prog ressed on the basis of knowledge economy. He said that Singapore was a country of around 5 million population only and had no natural resources.

However, he said, Singapore had focused on human resource and high tech manufacturing and its exports had reached the volume of 330 billion dollars. He said that Pakistan’s 56 percentpopulation was under 20 which was its biggest asset. He said that we must utilize this talent for development of science and technology in Pakistan. Addressing the conference, Prof Niaz Ahmad said that PU administration was funding 112 research projects of teachers and students in life sciences faculty. He said that PU had also been declared No 1 in natural sciences research in Pakistan by Nature publishing. He said that 60 percent PU teachers were PhD.

He said that development and innovation came from higher education sector. He urged the

students to develop new ideas and research projects for socio-economic development of Pakistan and PU would fund such projects. Prof Dr Waheed Akhter said that renowned scientists, researchers and students belonging to life sciences, sciences, pharmacy and health sciences from various parts of the world and country were participating in the conference. He said that a broad theme for the conference was chosen in view of extensive connections in the processes and techniques used in plant, animal, health, pharmaceutical, environmental sciences and the applications. He said that in the recent past we had seen advances in understanding and regulating the processes of the living systems. He said that these had led to understanding of the underlying causes and finding cures for diseases like cancer. He said that various new strategies had potential to develop proteins which were not only of commercial value but also had great promise in the diagnosis and finding remedies for diseases like TB and cancer.

He said that world leaders working in some of these areas were with us in the conference. He said that the conference program included 6 plenary talks, 30 invited lectures, 84 oral presentations and around 450 poster presentations. He said that the conference has provided provide a highly fruitful opportunity for the young scientists to interact with the world-renowned scientists. Later, PU VC Prof Niaz Ahmad presented PU’s Gold Medal to Prof Dr Atta ur Rehman acknowledging his services in order to pay tribute to him.



WORLD QUALITY DAY 2019 OBSERVED AT PU

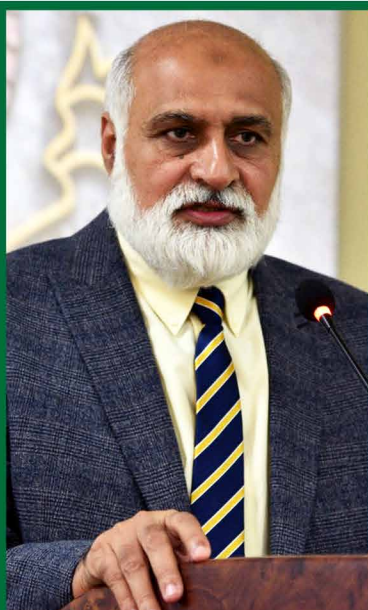
PUQEC Bulletin: The Quality Enhancement Cell (QEC) has organized a seminar on “World Quality Day” with 100 years of quality in collaboration with Institute of Quality and Management (IQTM) on Thursday, November 14, 2019. Prof. Dr. Niaz Ahmad (The Vice Chancellor, University of the Punjab) was the Chief Guest. The key speakers include Dr Nadia Tahir (Managing Director, Higher Education Commission

Quality Assurance Agency), Dr Nasir Saeed, Prof. Dr Muhammad Shafiq (Director, Quality Enhancement Cell), Dr Usman Awan (Director IQTM). Other faculty members and a large number of students were present on the occasion

The Vice Chancellor said that the Institutions which compromise on Quality get destroyed and replaced by other Institutions.

Addressing the seminar, Prof. Dr. Niaz Ahmad said that we must spend maximum money on higher education to bring socio-economic change. He said that he introduced the concept of quality in 2001 at university level and for the first time established Institute of Quality and Technology Management. He said that IQTM was established to provide quality in services and manufacturing sectors.

He said that 70 percent of our economy was based on the services sector and therefore we must produce quality graduates. He said that as the raw material of good standard produced quality products, A commission should be established at elementary and



“ THE INSTITUTIONS WHICH COMPROMISE ON QUALITY GET DESTROYED AND REPLACED BY OTHER INSTITUTIONS (VC PU) ”

secondary levels to produce good students, leading to the production of quality graduates. Prof Niaz Ahmad asked the students to form groups, identify problems in their relevant

**“ WE MUST SPEND
MAXIMUM MONEY ON
HIGHER EDUCATION TO
BRING SOCIO-ECONOMIC
CHANGE
(VC PU)**

field, find a solution and convert it into business activity. He said that the university would fund all such projects. He urged the students to adopt high moral values and quality must reflect in their personality.

**“ HEC QUALITY
ASSURANCE
AGENCY MADE EFFORTS
TO ENSURE STANDARDS
OF QUALITY OF
HIGHER EDUCATION
IN UNIVERSITIES.
(DR. NADIA TAHIR)**



Dr Nadia Tahir said that there was a need to create culture and consciousness of quality. She said that HEC Quality Assurance Agency made efforts to ensure standards of quality of higher education in universities. She said that Quality Enhancement Cells had been established at the universities for improving standard of higher education.

He thanked PU VC for providing quality faculty members to IQTM on merit.

**“ 70% OF OUR
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(VC PU)**

Dr Nasir Saeed said that quality of life of the common man must be improved and environment of happiness should be provided to everyone. Dr Usman Awan said that IQTM was focusing on improving standards in services and production sector. He said that IQTM was moving forward to contribute to socio-economic development of country.



WORLD BANK TO FUND SOCIO-ECONOMIC IMPACT RESEARCH PROJECTS



PUQEC Bulletin: World Bank representative Dr Graham Harrison has said that World Bank would fund those research projects that would bring socio-economic development in the country and achieve sustainable development goals. He was addressing a workshop on “Road show on New R&D Framework of HEC” organized by Higher Education Commission of Pakistan and Punjab University Office of Research, Innovation and Commercialization (ORIC) at Al Raazi Hall

PU Dean Faculty of Engineering and Technology Prof Dr. Taqi Zahid Butt, HEC Research and Development Director General Dr

Zain ul Abidin, PU ORIC Director Prof Dr. Arshad Javed, British Council representative Hajira Khan, directors of ORIC from a large number of universities from Punjab participated in the workshop. Addressing the workshop through video link, Dr Graham Harrison said that Pakistani researchers should work on the academic ideas that could be commercialized. He said that research projects should resolve the problems being faced today. He said that World Bank encouraged technology transfer and promotion of innovation and entrepreneurship culture.

He said that World Bank had allocated seven hundred thousand dollars for those research projects that would focus on resolving local issues. Prof Dr Taqi Zahid Butt lauded the role of Higher Education Commission for promotion of research in universities. He said that academia was strengthening relations with industrial and corporate sectors with the help of HEC. He said that

universities had important role in socio-economic development of the country. Dr Zain ul Abidin stated that World Bank would give 400 million dollars to HEC in the next five years out of which research grant of 127 million dollars would

“ WORLD BANK ENCOURAGED TECHNOLOGY TRANSFER AND PROMOTION OF INNOVATION AND ENTREPRENEURSHIP CULTURE. (DR GRAHAM HARRISON) ”

“ WORLD BANK HAD ALLOCATED SEVEN HUNDRED THOUSAND DOLLARS FOR THOSE RESEARCH PROJECTS THAT WOULD FOCUS ON RESOLVING LOCAL ISSUES. (DR GRAHAM HARRISON) ”

be provided. He gave a detailed presentation on various programs of HEC to fund research projects. Ms Hajira Khan gave briefing on Pak UK Education Gateway. Dr Arshad Javed said that the workshop would create awareness among researchers regarding available research grants for research projects. Later, a comprehensive question answer session was held in which speakers addressed various questions of participants.

ANOTHER FEATHER IN CAP: PU RANKED FIRST IN NATURAL SCIENCES RESEARCH



PUQEC Bulletin: The Nature Publishing Group, a world-class publisher of high impact scientific and medical information in print and online founded in 1869, has ranked Punjab University No 1 in terms of research publications in the field of natural sciences amongst all Pakistani universities. It merits a mention here that PU falls in general category of the Universities while it has left many science universities behind in the ranking and the overall Research output of PU scientists in the subjects of Chemistry, Physical Sciences, Life Sciences and Earth and Environmental Sciences from January to December 2018 is far higher than other Pakistani science universities. According to ranking, PU has secured 7.21 score while COMSATS Institute of Information Technology, which is on 2nd number, has secured 3.25 score. According to ranking, Islamia University of Bahawalpur, COMSATS University Islamabad, Quaid-e-Azam University, University of Education,

University of Management and Technology, National University of Computer and Emerging Sciences, University of Peshawar and National University of Sciences and Technology secured from 3rd to 10th positions respectively. Punjab University Academic Staff Association has congratulated PU Vice Chancellor Prof Dr Niaz Ahmad and his team including Chairman PU Ranking Committee Prof Dr Khalid Mahmood, Chairman Department of Mathematics Dr Muhammad Sharif and others on this landmark achievement. In a press statement, ASA President Prof Dr Mumtaz Anwar Chaudhry and Secretary Javed Sami and others have said that the achievement was result of research-friendly policies of incumbent administration which had taken several initiatives to promote research culture in Punjab University and had supported university teachers. It is pertinent to mention here that the Nature Publishing Group is a well-reputed publisher acknowledged

worldwide and the group publishes journals, online databases and services across the life, physical, chemical and applied sciences and clinical medicine. NPG is part of Macmillan Publishers Limited, a global publishing group founded in the United Kingdom in 1843. Focusing on the needs of scientists, Nature, founded in 1869, is the leading weekly, international scientific journal. In addition, for this audience, NPG publishes the Nature research journals and Nature Reviews journals, plus a range of prestigious academic journals including society-owned publications. Online, nature.com provides over 6 million visitors per month with access to NPG publications and online databases and services, including news and comment from Nature, Nature Jobs plus access to Nature Network and Nature Education's Scitable.com.

*The web link of the ranking is following:
<https://www.natureindex.com/country-outputs/pakistan>*

PUNJAB UNIVERSITY TEAM WINS INT'L SURVEYING SKILL COMPETITION HELD IN CHINA

PUQEC Bulletin: A team of Punjab University has won top positions with outstanding performance in international surveying skill competition at Guangdong Polytechnic of Industry and Commerce, Guangzhou, China. As many as nine countries were invited to participate and compete in the competition. South Surveying and Mapping Instrument Co. Ltd., the leading Chinese and world's # 4 survey instrument company provided its latest equipment to the participating teams for pre-competition training and on-site examination. China Nonferrous Metal Industry Human Resource Center (CNMIHR), a state institution

responsible for the education in terms of nonferrous metal industry talent, organized the competition. PU VC Prof Niaz Ahmad Akhtar had nominated a team of one instructor, Dr. Muhammad Umar Manzoor, Assistant Professor, Department of Metallurgy & Materials Engineering and two students Ramsha Rauf and Hamas-ul-Ghani of 3rd Year Applied Geology, Institute of Geology to participate in the competition. In the competition, Pakistan won 1st position in Second Class Leveling, 3rd position in Total Station Leveling and won 2nd position over all out of 9 participating countries. Dr. Muhammad Umar Manzoor won the award for outstanding

instructor in the competition. As a result, South Surveying and Mapping Instrument Co. Ltd donated a set of South Total Station NTS-332R4 equipment for strengthening the teaching quality of surveying and mapping. In this regard, a ceremony was held at Vice Chancellor's office to appreciate the achievement of the PU team. Dean Faculty of Engineering and Technology Prof Dr Taqi Zahid Butt, Institute of Geology's Director Prof Dr Shahid Jameel Sameeni, Prof Dr Shahid Ghazi and members of the winning team were present on the occasion. Prof Niaz Ahmad warmly welcomed the winning team and appreciated their efforts in the competition.

PAKISTANI NASA ENGINEER URGES GIRLS TO PURSUE SPACE SCIENCE CAREER



PUQEC Bulletin: Hiba Rehmani, a Pakistani-US citizen and engineer working at National Aeronautics and Space Administration (NASA), USA has urged the female students to pursue their career in space science as there are opportunities for talented girls to reach stars. She was addressing a seminar at Punjab University

GIRLS MUST DREAM BIG AND NEVER GIVE UP.

(Hiba Rehmani)

Institute of Social and Cultural Studies in collaboration with US Consulate Lahore and Lincoln Corners Pakistan. ISCS Director Prof Dr Rubina Zakar, US Consulate Provincial Coordinator Alumni Affairs Jamal Ghazanfar, US Consulate Deputy Public Affairs Officer Elizabeth Lee, faculty members and a large

number of students from various departments were present on the occasion.

A daughter of Lahore, Ms Hiba Rehmani is working on rocket as Lead Avionics and Flight Control Engineer at NASA's prestigious Kennedy Space Centre, USA. She discussed current research being done in the field of space sciences at NASA.

Addressing the seminar, Ms Hiba Rehmani said that it was a good omen that Pakistani girls were coming forward in various fields of science and engineering. She said that Pakistani girls were full of talent and they could contribute in every field of knowledge remarkably. Advising the students, she said that problems and failures come to their ways but that could become an opportunity if the students continue to achieve

their goals and work hard. She said that in overall male-dominated world, you may not find as many women as men in science, technology, engineering and mathematics but that must not discourage girls. She said that girls

must dream big and never give up. She advised them to stay focus on their goals and dreams and they would be successful. At NASA, Ms Hiba Rehmani supports NASA's Launch Services Program, working on expendable launch vehicles and rockets. She provides technical expertise, follows launch vehicle testing, perform data reviews and provide technical assessments of engineering issues. Earlier, she has also worked as system engineer for the International Space Station. In her welcome address, Prof Dr Rubina Zakar said that Pakistan and the nation were proud of her. She said that Ms Hiba Rehmani was one of the finest examples for girls to achieve their goals in life. She said that Ms Hiba Rehmani faced several problems in life but she overpowered all those obstacles through her commitment, devotion and hard work. On the occasion, Ms Hiba Rehmani distributed souvenirs of NASA among all the participating students. Earlier, Ms Hiba Rehmani called on PU Vice Chancellor Prof Niaz Ahmad at his office.



“ KNOWLEDGE HAD NO BOUNDARIES AND SHE WAS A SOURCE OF ENCOURAGEMENT FOR PAKISTANI WOMEN (VC PU)

SCIENCE & ENGINEERING MUST GO HAND IN HAND VC PU



PUQEC Bulletin: Punjab University Vice Chancellor Prof Niaz Ahmad Akhtar has said that there was need to remove missing connection between subjects of science and engineering from our universities to address challenges being faced by the country in science and technology. He was addressing an international symposium “Advanced Energy Storage Materials” organized by Punjab University Department of Physics at Al Raazi Hall. On this occasion Dean Faculty of Science Dr Muhammad Sharif, Dr Tim Patrick Fellingner from Germany, Chairman Department of Physics Prof Dr Mahmood Ul Hassan, faculty members, research scholars and a large number of students were present. Addressing the inaugural session, Prof Niaz Ahmad

said that PU would establish Centre for Advanced Materials to remove gap between science and engineering. He said that nobody could work in isolation and we must prepare to cope with the challenges being faced by the world. He said that nano-materials had reduced the size of materials manifold. He said that such conferences were indicators of the volume of research and provided an opportunity to network researchers in their relevant fields and interact with each other. He said that students must see what was being done in their fields at advanced level. Dr Mahmood ul Hasan said that the symposia had been organized on advances in various topics of theoretical and applied physics. He said that it would also cover topics on electrode

materials for batteries and supercapacitors and focus on the computational materials for energy storage. He said that the symposium had served as platform for students to exchange knowledge and experiences with each other. Addressing the conference, Dr Fellingner said that there was no doubt that the humanity was benefiting from various materials however the materials were contaminating environment too. He said that Pakistan had abundance of sunlight and there was need to have good storage devices to capture solar energy in Pakistan. He said that we wanted generate energy through cheap means without risking environment of our planet. Later, souvenirs were distributed among distinguished guests.

PU, UK VARSITY INK MOU To Exchange Scientific Information & Materials

Punjab University School of Biological Sciences (SBS) and The Rosalind Franklin Institute (RFI), Harwell Campus, Oxfordshire, United Kingdom have signed a memorandum of understanding to develop scientific relationship relating to designing enzymes for improved properties and multi-functional activities for commercial activities. In this regard, the MoU signing ceremony was held at Vice Chancellor's office. PU Vice Chancellor Prof Niaz Ahmad Akhtar, RFI Director Prof Dr James A. Naismith, SBS Director Prof Dr Waheed Akhtar, PU External Linkages Director Sobia Khuram and others were present on the occasion. According to MoU, both the institutions agreed to exchange scientific information and scientific materials, arrange personnel visits, share cost of various academic activities etc. Both the institutions would also extend cooperation for cooperative research as such clearly beneficial activities may require specific arrangements in particular

with respect to financing. PU VC Prof Niaz Ahmed thanked Prof Dr James Naismith and said that the agreement would provide a good

opportunity for the researchers to exchange knowledge and experiences.



MINISTER FOR INDUSTRY-ACADEMIA LINKAGES CALLS ON VC PU

PUQEC Bulletin: Punjab Minister for Higher Education Raja Yasir Hummayun has stressed the need to promote industry-academia linkages to resolve social problems and uplift economy of the country. He was addressing the inaugural session of 7th International Conference on Research in Education (ICORE-19) titled “Teachers

that academia must come forward and play its role what was being done by the universities in the first world countries and the government would extend maximum support in this regard. He said that academia was main advisory body in all developed countries and the research being done at universities was not only being used by the industry but by the government

need to develop a mechanism for flawless construction of question paper and evaluation of answer books, removing all deficiencies in this regard. He said that it was the duty of universities to create new knowledge which could resolve issues being faced by the country as well as society. Dr Rafaqat Ali Akbar said that the conference had attended by renowned



Education: 21st Century Challenges” PU Vice Chancellor Prof Niaz Ahmad, Dean Faculty of Education Prof Dr Abid Hussain Choudhary, Director IER Prof Dr Rafaqat Ali Akbar, faculty members, students, delegates from the USA, UK, Philippine, KSA, France, Malaysia, Australia, Hong Kong, Ireland and New Zealand and researchers from all provinces of the country have participated in the conference. In his address, Raja Yasir Hummayun said

institutions and development sector as well. He appreciated PU Vice Chancellor Prof Niaz Ahmad on promotion of research culture and giving academic input for socio-economic development of the country. Addressing the conference, PU VC Prof Niaz Ahmad said that quality education mainly depended on the quality of teachers and graduates. He said that since good raw material produced quality products, therefore quality education and training must be imparted at schools so that universities could produce good graduates. He said that higher education sector in Pakistan was facing serious challenges as there was about 1/50 student-teacher ratio against the national standard of 1/20 and international standard of 1/10. He said that we were facing a shortage of PhD teachers and only around 35 percent teachers at universities in Pakistan were PhD. He said that hardly 10 percent applicants could get admission in higher education sector in Pakistan while there was 100 percent enrollment of applicants in higher education in advanced countries. He said that there was

scientists in the field of education from various countries while researchers, educators, practitioners and professionals were also participating. He said that the researchers were participating for presentation of research based knowledge, experiences, new advancements, research results and innovations in the field of education. He said that in the conference, about 150 research papers by national and international experts would be presented. He said that the conference would contribute to achieve national and international educational goals and targets.

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EDUCATION PUNJAB)**

**“QUALITY EDUCATION
MAINLY DEPENDED
ON THE QUALITY OF
TEACHERS & GRADUATES.
(VICE CHANCELLOR)**

PU ESTABLISHES BABA GURU NANAK RESEARCH CHAIR



PUQEC Bulletin: VC PU Prof Niaz Ahmad has inaugurated Baba Guru Nanak research chair in order to do research on his teachings. In this regard, an inaugural ceremony was held at committee room of Vice Chancellor's office here on Tuesday. Dean Faculty of Oriental Learning Prof Dr Saleem Mazhar, Registrar Dr Muhammad Khalid Khan, Chairperson Department of Punjabi Dr Nabeela Rehman, In Chief Punjabi Language, Literature and Culture Journal Sardar Ajaib

Singh Chattha, Dean PU Patiala Prof Dr Jasbeer Core, Dr Naveed Shahzad and Sikh teachers and writers from Canada and India were present on the occasion. Addressing the ceremony, Prof Niaz Ahmad said that Baba Guru Nanak promoted the message of tolerance through his actions and teachings. He said that Baba Guru Nanak had made great efforts for establishment of a peaceful society. He said that the purpose of setting up Baba Guru Nanak research chair was to promote

the message of peace he had preached. He said that it would help strengthen relations between the Muslims and Sikhs. Sardar Ajaib Singh thanked PU VC Prof Niaz Ahmad for establishing Baba Guru Nanak research chair and said that collaborative efforts were much needed to resolve issues being faced by the society. He said that we could establish peace by following the teachings of Baba Guru Nanak and Sufis. Later, the VC PU and delegates exchanged traditional souvenirs.

VC PU ANNOUNCES FEE WAIVER, SCHOLARSHIPS FOR STUDENTS

39;Impact factor Research Life Sciences Faculty Produces 432 Impact Factor Research Papers in 2018



PUQEC Bulletin: Punjab University Vice Chancellor Prof Niaz Ahmad Akhtar has announced that the bachelor-level students of Faculty of Life Sciences who will publish one research paper in impact factor journal will be given waiver in tuition fee and will be given admission in MS and PhD programs without any fee. He was addressing the faculty members and students of Faculty of Life Sciences at Faisal Auditorium here on Friday. Dean Faculty of Life Sciences Prof Dr Firdous-e-Barin, Professor Dr Shahida Husnain, Prof Dr Waheed Akhter, Prof Dr AR Shakoori and senior faculty members were also present on the occasion. Addressing the

students, PU VC Prof Niaz Ahmad announced that scholarships will also be provided to the students with impact factor research while a cash prize will be awarded to the student having highest impact factor research. Prof Niaz Ahmad urged the students to do research having positive impact on socio-economic development of the society. He said that PU administration would provide all resources and funding to such research projects and would extend full support at all levels. He said that the administration was encouraging researchers and promoting research activities to improve international ranking of the university and contribute to socio-economic

development of the country. He said that now the world was a global village and we needed to work very hard to compete at international level. In her address, Prof Dr Firdous-e-Barin said that the Faculty of Life Sciences had got 3 patents registered, produced 432 research papers in impact factor journals out of which the impact factor of 413 research papers is higher than 200 and worked on 108 research projects in 2018. She thanked PU VC Prof Niaz Ahmad for extending all-out support to promote research culture in the university. She said that the announcements of the vice chancellor would encourage students to do research in their fields.

JAPANESE DELEGATION VISITS PU HCBF

PUQEC Bulletin: A delegation of Mitsui & Co. Ltd., Japan, led by the Country General Manager Mr. Shinsuke Yamashiro called on Hailey College of Banking and Finance Principal Prof. Dr. Mubbsher Munawar Khan to discuss matters of mutual interests. Dr. Mubbsher briefed the visitors about the academic programs and the efforts being made for academic excellence. The Japanese delegation appreciated the efforts of the college's management in developing productive human resource for the homeland. They appreciated the work of college's graduates employed by them and expressed their confidence in the continuity of their efforts. The delegation expressed their interest for support from the college for meeting their HR requirements and asked the college management to initiate the process in this regard. Prof. Dr. Mubbsher Munawar Khan expressed his gratitude on the confidence of the visitors on the quality of



education being imparted by the college and the manpower being produced. He reiterated his commitment to strive for maintaining

the quality standards. He expressed his confidence on the graduates to serve as ambassadors of goodwill.

CHINESE TEAM HANDS OVER HYBRID RICE SEED TO PU

PUQEC Bulletin: A team of China's Wuhan University has handed over hybrid rice seed to Punjab University for hybrid rice breeding in Pakistan, which would bring revolution in agriculture sector.

In this regard, a ceremony was held at PU Vice Chancellor's office. PU VC Prof Niaz Ahmad Akhter, Mr Zhiyong XU and Mr Airu Zhu from Wuhan University, China, External

Linkages Director Prof. Dr. Kanwal Ameen, Institute of Agricultural Sciences Director Prof. Dr. Muhammad Saleem Haider, Assistant Professor Dr Muhammad Ali and others were present. PU VC Prof Niaz Ahmad said that Punjab University would

play its role for betterment of society as well country. He said that PU was promoting such research projects which would leave positive impact on society and country.

IAGS Prof Dr Saleem Haider said that PU

Hybrid Breeding of Rice in Pakistan would Bring Revolution in Agriculture Sector and Strengthen Academia-Industry Linkages.

would experiment the hybrid breeding of rice at local level and its adaptation. He said that this hybrid breeding of rice in Pakistan would bring revolution in agriculture sector and strengthen academia-

industry linkages. Later, the Chinese delegation visited the labs and experimental area of the Institute of Agricultural Sciences for hybrid rice production and appreciated the efforts of Prof. Dr. M. Saleem Haider and his team.



PU TO IMPROVE INTERNATIONAL RANKING FURTHER: VC

PUQEC Bulletin: VC PU Prof Niaz Ahmed has vowed that with the efforts of PU administration and faculty members, PU would hit new marks of excellence in the upcoming QS University Ranking. He was addressing an interactive session on QS University Ranking organized by PU Ranking Committee at Al Raazi Hall. QS University Ranking Services Director Mr Ashwin Jerome Fernandes was the resource person while PU Pro VC Prof Dr Saleem Mazhar, PU Ranking Committee Chairman Prof Dr Khalid Mahmood and a large number of faculty members participated in the session. In his address, Prof Dr Niaz Ahmed said that due to the efforts of PU administration and faculty members, PU had improved 39 times in QS Ranking and its various departments had been ranked for the first time from 200 to 500 top institutions worldwide. Moreover, he said, PU had also been declared number one in Pakistan in natural science research. He said that the administration had encouraged and promoted research culture and he would extend full support to faculty members which would contribute to improve international ranking of the varsity. He appreciated Prof Dr Khalid Mahmood for making efforts to improve university's ranking. QS University Ranking Services Director Mr Ashwin Jerome Fernandes briefed the participants about QS University Ranking and answered queries of the faculty members regarding improvement in PU ranking.

PU, PRCS TO DEVELOP URBAN FORESTS



PUQEC Bulletin: Punjab University Institute of Agricultural Sciences and Pakistan Red Crescent Society have signed an agreement to launch joint efforts for environment protection and develop urban forests. The MoU signing ceremony was organized at Vice Chancellor office in which PU VC Prof Niaz Ahmad, PRCS Chairman Dr Saeed Elahi, Director Institute of Agricultural Sciences Prof Dr Muhammad Saleem Haider and Director External Linkages Dr Sobia Khurram were present.

As per agreement, both the institutions would work to create awareness regarding sensible and sustainable use of natural resources. PU and PRCS would carry out cooperative activities related to environmental issues including climate change effects on agriculture, human, environmental health and air quality. PU and PRCS would also work for reporting and reducing greenhouse gases and share the design and implementation of policies and programs that have lowered greenhouse gas emissions and promoted low

carbon development. Both the parties would promote renewable energy and emission reductions from deforestation and forest degradation. PU VC Prof Niaz Ahmad said that we need to enforce climate emergency if we wanted to give healthy and livable environment to next generations. He said that the recent environment indicators were alarming and there was urgent need to cope with environmental challenges. Otherwise our planet will not be able to host us, he added.

PU & MALAYSIAN VARSITY SIGNED AN MOU



PUQEC Bulletin: A delegation from UTP Malaysia has visited Punjab University and called upon Vice Chancellor Prof Niaz Ahmad Akhtar at his office. The delegation comprised UTP Deputy Vice-Chancellor Prof Dr Noor Hisham Hamid, Prof Dr Faiz Ahmad, Dr Muhammad Ayoub. Later the delegation signed a Memorandum of Understanding

(MoU) with Punjab University to increase research collaboration and exchange innovative ideas, experience and transfer knowledge with PU's faculty. On this occasion, PU Dean Faculty of Engineering and Technology Prof Dr Taqi Zahid Butt, Registrar Dr Muhammad Khalid Khan, Director Institute of Chemical Engineering and Technology Prof Dr Abdullah

Khan Durrani, Director External Linkages Prof Dr Kanwal Ameen and Chairman Department of Polymer Engineering Prof Dr Rafi Ullah Khan were present. The delegation also visited various departments of the Faculty of Engineering and Technology. Both parties expressed their commitment for enhancing academic and research collaboration.

PU TO COLLABORATE WITH CHINA VARSITY ON HYBRID RICE BREEDING



PUQEC Bulletin: Punjab University Institute of Agri cultural Sciences is Collaborating with Wuhan University, China on hybrid rice breeding in Pakistan. In this regard, a delegation from China consisting of Prof. Renshan Zhu, Dr. Xianting Wu, Mr. Airu Zhu and Mr. Guobao Yuan visited the IAGS and signed an MOU between the two organizations. PU Vice Chancellor Prof Niaz Ahmad, External Linkages Director Prof. Dr. Kanwal Ameen, IAGS Director Prof. Dr. Muhammad Saleem Haider,

Assistant Professor Dr. Muhammad Ashfaq

**PU WOULD
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LEAVE POSITIVE IMPACT ON
SOCIETY & COUNTRY.
(VC PU)**

and Sayban Group of Industries CEO Mr. Azam Cheema were present. PU VC Prof Niaz Ahmad said that this was the role of universities to work for betterment of society as well as country. He said that PU would promote such research projects which would leave positive impact on society and country. Later, the Chinese delegation visited the labs and experimental area of the Institute of Agricultural Sciences for hybrid rice production and appreciated the efforts of Prof. Dr. M. Saleem Haider and his team.

VICE CHANCELLOR PU INAUGURATES STATE OF THE ART COMPUTER LAB AT IQTM

PUQEC Bulletin: Punjab University Vice Chancellor Prof Niaz Ahmed has inaugurated state-of-the-art computer laboratory at Institute of Quality and Technology Management here on Wednesday. IQTM Director Dr Usman Awan, faculty members and students were present on the occasion. While briefing the vice chancellor, Dr Usman Awan said that 45 newly installed 8th-generation systems would cater to the needs of the students and they would be able to use industrial engineering software.



He said that the new computer lab would help students learn designing, manufacturing and other related software in excellent way. He said that provision of such state-of-the-art facility to

the students would enhance their creative and technical skills. He said that the institute has also developed new website to facilitate faculty members and students. Dr

Niaz Ahmed appreciated Dr Usman Awan for his efforts to uplift the institute and visited its various sections.

INDUSTRY-ACADEMIA LINKAGES TO HELP BOOST SOCIETY AND COUNTRY: VC



PUQEC Bulletin: Speakers at the 8th invention to innovation summit have said that industry, academia and government regulators and institutions should join hands to play role for development of country's economy and society. The 8th invention to innovation summit is being organized by PU Office of Research, Innovation and Commercialization (ORIC) in collaboration

“ NO COUNTRY COULD PROGRESS WITHOUT GIVING SPECIAL ATTENTION TO HIGHER EDUCATION SECTOR. (VC PU) ”

with Institute for Research Promotion at Centre of Excellence in Molecular Biology. PU Vice Chancellor Prof Niaz Ahmad, IRP CEO Abid Sherwani, Federation of Pakistan Chamber of Commerce and Industry Vice President Manzoor Malik, Lahore Chamber of Commerce and

Industry Vice President Faheem ur Rehman Sehgal, ORIC Director Prof Dr Naveed Ahsan, Pakistan Navy personnel, scientists, researchers, industrialists, CEOs, funding agencies, students and social activists from all the provinces are participating in the summit. Addressing the summit, PU VC Prof Niaz Ahmad said that universities were meant for generation of new knowledge which could help boost country's economy and resolve problems being faced by the society. He said that we should give preference to applied research which could have positive impact on the society. He said that no country could progress without giving special attention to higher education sector. He said that universities must come forward to play role in nation building. He said that university administration would encourage and fund such research projects which were beneficial for the country and society. Mr Manzoor Malik said that our governance system was not upto the mark and we should introduce innovation in our taxation system. He said that the governments should devise good policies to facilitate industrialists. He said that we should reduce gap between our import and export. Faheem-ur- Rehman Sehgal said that fortunately we had abundance of natural and human resource but unfortunately we were

not utilizing the potential of our manpower. He said that the secret of various developed nations was skilled labor. Mr Abid Sherwani said that the initiative was taken by IRP in collaboration with PU and various research organizations eight years ago to encourage commercialization of research.

“ UNIVERSITIES WERE MEANT TO GENERATE NEW KNOWLEDGE WHICH COULD HELP BOOST COUNTRY'S ECONOMY & RESOLVE PROBLEMS. (VC PU) ”

He said that now invention to innovation summit was being held in all the provinces to connect industry and academia and so far, 100 research projects and innovations had been adopted by the industry. Dr Naveed Ahsan said that as many as 150 technologies and posters from the fields of IT, engineering, life sciences, art etc had been put on display in the summit.

CHINESE VP's VISIT TO PROMOTE PAK-CHINA TIES: VC



PUQEC Bulletin: Punjab University Vice Chancellor Prof Niaz Ahmad has said that the landmark visit of Chinese Vice President Wang Qishan will promote new ties between Pakistan and China and Prime Minister Imran Khan is making remarkable efforts to strengthen relations between the two countries. He was addressing a Chinese delegation from

**CHINESE VP's
VISIT WOULD
BRING RELATIONS
BETWEEN THE TWO
COUNTRIES TO THE
NEW HEIGHTS.
(PRESIDENT JUST)**

Jiangxi University of Science and Technology. Jiangxi University of Science and Technology President Prof Dr Luo Sihai, Director Academic Administration Prof Dr Zhang Shuiping, PU Confucius Institute Director Prof Liu, Director External Linkages Prof Dr Kanwal Ameen and deans of all faculties were present on the occasion. Addressing the meeting, Prof Niaz Ahmad stressed the need to promote academic relations among the institutions of higher learning. He said that PU would extend full support to collaborate in various disciplines with Jiangxi University of Science and Technology (JUST) and encourage faculty members and students exchange program. Prof Dr Luo Sihai said that the visit of Chinese Vice President Wang Qishan would bring relations between the two countries to the new heights and both were time-tested friends. He said that there was need to promote people to people contact and exchange programs among the universities of both the countries.

He said that Jiangxi University of Science and Technology would like to extend research and academic collaboration with Punjab University in various disciplines including engineering and in the projects which would contribute to

**PU WOULD
EXTEND FULL
SUPPORT TO COLLABORATE
IN VARIOUS DISCIPLINES
WITH JIANGXI UNIVERSITY
(VC PU)**

success of China Pakistan Economic Corridor. Both the parties agreed to sign a memorandum of understanding for joint collaboration soon.



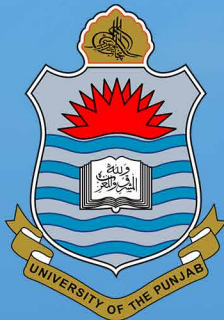
ستاروں سے آگے جہاں اوز بھی ہیں
اسی روز و شب میں الجھ کر نہ رہ جا
گئے دن کہ تنہا تھا میں انجمن میں
ابھی عشق کے امتحاں اور بھی ہیں
کہ تیرے زمان و مکاں اور بھی ہیں
یہاں اب مرے راز داں اور بھی ہیں

علامہ محمد اقبالؒ



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