



Prof. Dr. Iqrar Ahmad Khan (B.S., M.S.)
Vice Chancellor



Dr. Muhammad Anjum Zia
Principal, UAF CC

PARS NEWS

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Hilal-i-Imtiaz



**The Community
of
PARS is
delighted to
extend Heartiest**



CONGRATULATIONS

on conferment of the
Highest Civil Award
to

Prof. Dr. Iqrar Ahmad Khan
Vice Chancellor, UAF

We, the faculty and staff of UAF Community College PARS, extend the warmest congratulations to Prof. Dr. Iqrar Ahmad Khan on conferment of the highest civil award Hilal-e-Imtiaz.

Akhuwwat Organization's Visit with Worthy Vice Chancellor on 01 May, 2023



The respected Vice Chancellor, University of Agriculture Faisalabad visited PARS along with the members of Akhuwwat Trust on 1st May, 2023. The visitors were provided with details about PARS, the degree programs offered at the campus, the academic as well as co-curricular activities being held here.

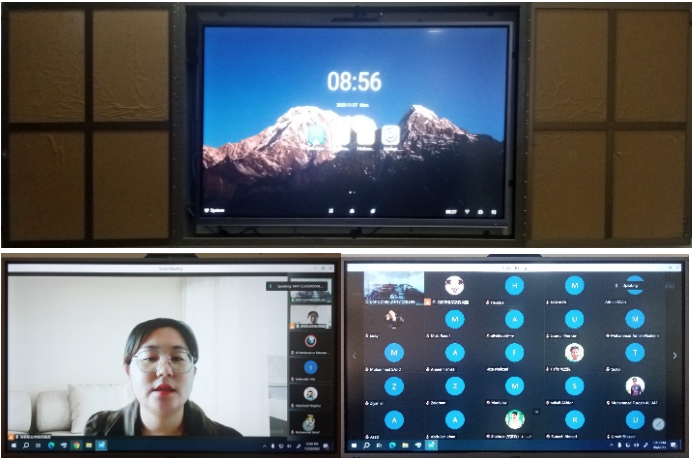
Installation of MCB ATM Machine at UAF Community College, PARS

To facilitate the community at PARS and to equip the campus with all contemporary necessities, a new ATM machine has been installed by Muslim Commercial Bank. This shows the university administration's concern and enthusiasm for making UAF Community College PARS a well-resourced place for its students, teachers and the staff.



Installation of Smart Interactive LEDs in Lecture Theaters

Another great addition to make UAF Community College PARS a well-equipped learning center is the installation of Smart Interactive LEDs in the lecture theaters which benefits to increase the effectiveness and productivity of the pedagogical process.



Annual Dinner of B.Ed Weekend Program

Various events at educational institutes provide a chance to the students to collect lifelong memories and to exhibit their talent. So, an annual dinner was arranged for the students of B.Ed. at PARS on May 21, 2023. The students participated actively in several performances and relished with its every moment.



Activity of M.Phil. Botany Students

The students of M.Phil. Botany planted various species of Hydrophobic plants to highlight their role in sustaining the environment. They also gave short presentations to raise the awareness about the plant categories Xerophytes and Hydrophytes.



Adaptations of Hydrophytic Plants

Morphological Adaptations

- Roots are greatly developed, only an asexual surface, lacking aerenchyma.
- Stem is very thick and green as pith is white.
- Leaves are generally pointed, long, slender, light or dark green in color, flat and very smooth.
- Stomata located on the upper surface of the leaves, reduced water in the leaves.

Anatomical Adaptations

- Reduction in protecting structures
- Increase in the aerenchyma
- Reduction of supporting tissues
- Reduction of vascular tissues
- Aerenchyma provides buoyancy and mechanical support to aquatic plants.

Submitted To: Dr. Maria Naqve

Types of Hydrophytes

Submerged Hydrophytes

- Entire surface remains in direct contact with water.
- Leaves are reduced in size, ribbon shaped and thin.
- Stems are aerenchyma.
- Stems are very slender and much reduced.
- Roots are reduced. They are aerenchyma and without root hairs.

Floating Hydrophytes

- Some connect with water, while others float on or above the surface of water.
- Submerged leaves in the floating stems are thin, often linear, those that float on the surface of water are expanded.
- Stomata are confined only to the upper surface of floating leaves.
- Stems are well developed.
- In some floating plants, root is aerenchyma, while in others may be fully developed.

Ampelopsid Hydrophytes

- Some parts grow in water, while some float above the surface of water.
- Leaves are large, entire, rough and laminate.
- Stomata are present on both surfaces.
- Stem is extensively developed.
- Roots are well developed.

Submitted To: Dr. Maria Naqve



PhD Synopsis Defense

Three students under the supervision of Dr. Athar Mehmood (Associate Professor, Agronomy and Coordinator Department of Botany) defended their PhD synopsis. Mr. Hafeez-ur-Rehman (2020-ag-924) defended his synopsis entitled “Exploring the potential role of organic fertilizers in maize Zea mays L. under abiotic stresses” on 18-05-2023 at UAF Community College PARS. Whereas, Ms. Tehreem Fatima (2017-ag-4117) defended her synopsis entitled “Performance of trehalose to mitigate the adverse effect of arsenic stress in wheat” and Ms. Rimsha Kanwal (2019-ag-2025) defended her synopsis entitled “Unlocking the role of melatonin to alleviate nickel phytotoxicity in sunflower (Helianthus annus L.)” on 25-05-2023 at UAF Community College PARS.



Activity by the faculty, staff and students of Physics

The whole community of PARS including teaching and non-teaching staff as well as the students are putting unceasing efforts to beautify this place so it can assist the young minds to nourish for the benefit of the whole society. Following pictures are a proof of this unremitting determination.



Lab activity by the students of BS-Biochemistry at PARS



Construction under way of Library and Student Facilitation Center

The worthy Vice Chancellor, Prof. Dr. Iqar Ahmad Khan, (S.I., H.I.) is indeed determined to develop PARS to satisfy the requirements of increasing number of students here which is practically evident through the

given pictures. A separate building for library and a facilitation center for female students are under construction at PARS which will be a valuable addition in the facilities being provided at the campus.



Main library building at UAF Community College PARS



Student facilitation center at UAF Community College PARS

Graduation Ceremony of English Works! Program 2023

The journey of English Works!, a U.S. Department of State's funded project, that started in January-2023 magnificently ended in July-2023 where 200 students graduated successfully. A delegate from U.S Consulate including Mr. William K. Makaneole (U.S Consulate General Lahore), Mr. Paul S. Garr (Cultural Affairs Officer), Karl Rogers (Public Information Officer) and Dr. Muhammad Iqbal (English Programs Manager) graced the ceremony. The students of English Works presented the cultural vibrancy of Pakistan and America through their wonderful performances. The chief guest Mr. William K. Makaneole awarded certificates to the graduated students and appreciated the incredible success of English Works

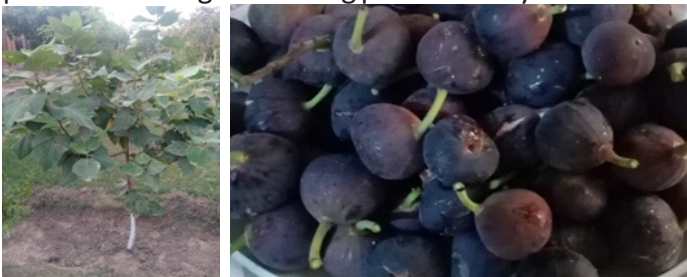


program at University of Agriculture Faisalabad. He wished to strengthen the cultural ties between Pakistan and America with the hope that English Works' alumni will cascade their service and learning to the society.



Plantation Project

Dr. Muhammad Shabbir Mahr (Assistant Professor Physics) taking inspiration from 'Fruit for all project of Berlin, Germany', implemented the same at PARS. He started plantation of fig trees at PARS since 2019 and till now 200 plants have been planted. The average production of figs was 6-7kg per tree this year.



Projects Funding



INVITATION OF RESEARCH PROPOSALS UNDER AGRICULTURAL LINKAGES PROGRAM (ALP), PARC
Batch 10th

Pakistan Agricultural Research Council (PARC) invites Research Proposals (Concept Papers) under 10th Batch of Agricultural Linkages Program (ALP).

Research Priority Areas:

- 01 Plant Sciences
- 02 Natural Researches
- 03 Animal Sciences
- 04 Social Sciences and
- 05 Agricultural Engineering

The Research Priorities can be downloaded from PARC/ALP website <http://www.parc.gov.pk>, <http://www.alp.gov.pk>

Submit: Concept Paper
Deadline: June 10, 2023
The preliminary proposals (concept paper) should be submitted online on web portal along with one hard copy of the proposal via surface mail to the following address through ORIC Office.

Executive Director (ALP)
PARC, Plot # G-5/1, PO Box # 1031, Islamabad
Ph. # 051-9245648, Fax: 051-9202150

CALL FOR PROPOSALS
National Natural Science Foundation of China (NSFC) and Pakistan Science Foundation (PSF)

Call is open between 14-01-2023 and 03-08-2023

Under the arrangement of understanding between National Natural Science Foundation of China (NSFC) and the Pakistan Science Foundation (PSF), NSFC and PSF invite International Research Letters and Institutions/Individuals and companies for Applications.

The call for proposals for joint Research and Development Projects with National Natural Science Foundation of China (NSFC) is open in the following for its areas:

- 1) Green technologies aiming focusing development of green sources of energy generated in the form of bio-fuels/bio-gas.
- 2) Sustainable development in the agriculture sector such as:
 - 1) Crop/Planting System, 2) Irrigation/Water Management, 3) Soil Fertility, 4) Crop/Planting System, 5) Crop/Planting System, 6) Crop/Planting System, 7) Crop/Planting System, 8) Crop/Planting System, 9) Crop/Planting System, 10) Crop/Planting System.

General Conditions: Proposal should be submitted online through Research Grant Management System (RGMS).

NSFC will support the project up to a maximum of RMB 10,000,000 and PSF will support the project up to a maximum of PKR 100 million.

Personal research grant for student call documents

No technical queries regarding the call can be sent to:

Dr. Saba Parveen Research Grants Officer National Natural Science Foundation of China 101-8751-2000 Beijing, 100085, P.R. China Email: saba@nsfc.gov.cn	Dr. Ayesha Nadeem Research Grants Officer Pakistan Science Foundation Plot # G-5/1, PO Box # 1031 Islamabad, Pakistan Phone: 051-9245648 Email: ayesha@psf.gov.pk
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PERIDOT Research Programme Phase-X

Call for Research Proposals

Higher Education Commission (HEC) Pakistan invites applications from Pakistan's faculty members of public and private universities for funding under the Pakistan PERIDOT Research Programme.

Priority Areas

- Renewable Energy Environment and Climate Change
- Agribusiness Food Security and Health
- Disasters & Social Services

Note: Projects on social challenges of environmental issues will be strongly encouraged. Maximum project duration is three (3) years.

For more information, visit hec.gov.pk/site/PERIDOT

Higher Education Commission, Pakistan
Sector H-9, Islamabad | www.hec.gov.pk



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