

# Dr. Ayesha Bibi

Assistant Professor TTS  
Department of Human Nutrition and  
Dietetics

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Mardan

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## PROFILE SUMMARY

Highly passionate and versatile Assistant professor with a strong commitment to delivering exceptional education and fostering a positive learning environment. Research and innovative focus in field of genetics and nutrition academic success and personal growth of students.

## LANGUAGES

- ✓ English: Native
- Hindko: Fluently
- Pashto: Low
- Urdu: Fluently

## SKILLS

Classroom Management

Lesson Planning

Research based activities

Ed-Tech

## WORK EXPERIENCE

- 1) Six months worked as **Visiting Lecturer** dept. of Genetics Hazara University Mansehra.
- 2) Four years working as **Research internee** at Plant Genetic Resource Institute (PGRI) National Agriculture Research Centre, (NARC), Islamabad.
- 3) One year as Assistant Professor under IPFP program in Department of Biotechnology by HEC.
- 4) Worked as Principal investigator under SRGP Project 0.5 Million by HEC.
- 5) Working as Assistant Professor/Chairperson at Department of Human Nutrition and Dietetics, Women University Mardan since September BPS 19 (2018-2022)
- 6) Working as Assistant professor (TTS) Women University Mardan April 2023- till date

## TECHNICAL SKILLS:

- Carbohydrate, protein, fat, Vitamin content determination
- Sensory evaluation of food products,
- Determination of Functional properties of protein
- DNA /RNA extraction and purification
- Agarose (DNA) Gel electrophoresis, Polyacrylamide Gel Electrophoresis (PAGE)
- Genetic diversity through molecular markers
- Polymerase chain Reaction (PCR) standardization and working principles
- DNA Finger Printing

## EDUCATION

Qualification	Subject	College/University	Marks/Total	Div/Grade
Matric	Science	Mangal Public School	615/850	1 <sup>st</sup>
F.Sc	Pre-med	GGDC No 1 Atd	701/1100	1 <sup>st</sup>
B.Sc	Pre-med	GGDC No 1 Atd	379/550	1 <sup>st</sup>
M.Sc	Biochemistry	GPGC No 1 Atd	720/1200	1 <sup>st</sup>
M.Phil	Genetics	Hazara University	512/600	1 <sup>st</sup>
Ph.D	Genetics	Hazara University	422/500	1 <sup>st</sup>

## LIST OF PUBLICATIONS

1. **Ayesha Bibi**, Sobia Naheed, Irum Raza, Nisar Khan. Past trends and future prospects of rice area and production in Khyber Pakhtunkhwa. International Journal of agronomy and agricultural research; Vol.4, No.1, p40-46, 2014
2. **Ayesha Bibi**, Fida Muhammad Abbasi, M. Ashiq Rabbani and Khatiba Bibi. Genetic diversity assessment of indigenous rice germplasm from Northern Pakistan using agro morphometric traits. Pak. J. Bot., 47(3): 1061-1067, 2015
3. **Ayesha Bibi**, Malik Ashiq Rabbani, Fida Muhammad Abbasi, Iftikhar Azim Niaz and Khatiba Bibi: Assessment of genetic diversity in indigenous rice accessions of northern Pakistan using biochemical markers. Pak. J. Bot., 49(SI): p. 237-245, 2017.
4. Khatiba Bibi, Inamullah, Habib Ahmad, **Ayesha Bibi**, Rabia Masood, Hakim Khan, Aziz ud Din. Genetic diversity assessment of indigenous wheat germplasm from different areas of Pakistan using agro-morphometric traits. Pakistan journal of Botany. Pak. J. Bot., 49(SI): 212-220, 2017.
5. Touseef Rehan, Riffat Tahira, Tabassum Rehan, **Ayesha Bibi** and Muhammad Naeemullah. Screening of seven medicinal plants of family lamiaceae for total phenolics, flavonoids and antioxidant activity. Pakhtunkhwa J. Life Sci. Volume 02, Issue 03/04, 2014, P 107-117
6. Samia Nawaz, Zubeda Chaudry, **Ayesha Bibi**, Sohail Ahmad Jan and Khatiba Bibi. Agro-morphological and molecular characterization of local tomato cultivars grown in Pakhal region of Pakistan using RAPD markers. Middle-East Journal of Scientific Research 23 (5): 856-860, 2015.
7. Kehkashan Akbar, Fida Muhammad Abbasi, Muhammad Sajid, Mehboob Ahmad, Aziz-Ud- Din, **Ayesha Bibi**, Mehmood ul Hassan, Muhammad Ibrahim Tahir, Muhammad Azeem. 2018. Analysis of high performance and genetic diversity in tomato (*Lycopersicon esculentum* L.) from Northern Pakistan. Transylvanian Review, Vol 26, No 24.
8. Faiza Nawaz, Hakim Khan, Naushad Ali Turi, Inamullah, Sidra Pervaiz, Sadia Qayyum, Farrah Andaleeb, Saira Gul, Farhana Maqbool, **Ayesha Bibi**. 2018. Biochemical and stability analysis of variations of indigenous Brassica juncea genotypes in different agro-climatic conditions of environmental conditions of Pakistan. 2018.. Inter. J. Biosci. 12(6), 139-151.
9. **Ayesha Bibi**, Fida Muhammad Abbasi, Ashiq Rabbani, Khatiba Bibi variation of hull over grain weight percentage of rice (*Oryza sativa* L.) from Pakistan, 2021 4 National Journal of Biological Sciences. Volume 1( issue 1)
10. Aisha Bano , Azhar Hussain Shah\*, Saad Hussain Shah , Ibrahim Khan, Safira Attacha, Wajiha Khan, Salma Anjum , **Ayesha Bibi** , Rabia Masood , Sohail Ahmad Jan. An efficient cost effective protocol for micropropagation of potato using natural mentha extract. Fresenius Environmental Bulletin, Volume 29 – No. 06/2020 pages 4253-4261
11. Genetic diversity assessment of wheat germplasm from Pakistan using agro-morphometric traits Kiran Zubair , Inamullah , **Ayesha Bibi** , Rabia Masood, Hakim Khan. International Journal of Biosciences | IJB | ISSN: 2220-6655 (Print), 2222-5234. Vol. 17, No. 4, p. 161-169, 20
12. **Ayesha Bibi**, Fida Muhammad Abbasi, M. Ashiq Rabbani and Khatiba Bibi Genetic diversity study of indigenous rice landraces from northern mountainous areas of Pakistan using Microsatellite/SSR markers.7857 Pak. J. Bot. Accepted 2021.
13. Ayesha Bibi, Mareena Ibrar, Touseef Rehan, Abdullah Shalmani. 2021 Recent Advances in Chitosan Applications: Journal of Pure and Applied Biology.
14. Mumtaz Ali, Aima Sameen Anjum, Rabia Riaz, **Ayesha Bibi**, Kyung Chul Sun, Sug Hoon Jeong. 2021. Unraveling the surface states related stokes shift dependent electrocatalytic activity of N-doped carbon quantum dots for photovoltaic application, 2021.. Carbon 181 (155-168).
15. Attaullah\* , Farman Ullah , Mahboob Ul Haq , Ikram Muhammad , **Ayesha Bibi**, Abdullah , Qaisar Shah , Hamidullah, Khurshid Anwar , Wali Khan, Ahmadullah, Aman Ullah , Muhammad Asif Zeb11 , Chongyi Zhao. Frequency of Hepatitis C in blood donors at Hayatabad Medical Complex Peshawar, Pakistan 2021. Bioscience Research, 18(2): 1652-1656.
16. Abdullah, Muddaser Shah, Muhammad Salman, Sohail Ahmad Jan, **Ayesha Bibi**, Zobia Afsheen, Muhammad Riaz, Muddasir Khan, Sidra Mubin, Parveen Bibi, Obaid Ullah, Attaullah. Current Epidemiological Status Of Cutaneous Leishmaniasis In Different Villages Of District Malakand KP Province, Pakistan: A Perspective Study, 2021. Fresenius Environmental Bulletin, volume 30 (9) Pages 10790-10796.
17. Kiran Zubair\*, Inamullah, **Ayesha Bibi**, Arooj Javed, Kehkashan Akbar, Nadia Sharif and Naila Zubair. Genetic diversity associated with agronomic traits using microsatellite markers in Pakistani wheat varieties. 2021. Bioscience Research, 18(3): 2243-2249.

## RESEARCH PROJECTS COMPLETED

Title: Characterization and evaluation of exotic Brassica germplasm in Mardan based on morphological, biochemical and molecular markers

PI	<b>Dr. Ayesha Bibi</b> Assistant Professor Biotechnology
Co-PI	Dr. Rakhshinda Sadiq Registrar Women University Mardan
Amount	0.5 Million

## **SCHOLARSHIPS**

5000 Indigenous Scholarship for Ph.D of 2 million rupees.

## **REFERENCE**

- Prof. Dr. Ghazala Yasmin, Honorable Vice Chancellor, Women University Mardan, Email: [vc@wumardan.edu.pk](mailto:vc@wumardan.edu.pk)
- Distinguished Professor. Dr. Fida Muhammad Abbasi, Chairman, Department of Agriculture, Hazara University Mansehra, Pakistan.  
Email. [drfidaabbasi6@gmail.com](mailto:drfidaabbasi6@gmail.com)
- Dr. Malik Ashiq Rabbani: Principle Scientific Officer, Plant Genetic Resource Institute PGRI, NARC Islamabad  
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