

Name	Dr. Huma Fatima																									
Personal:	Assistant Professor, Department of Zoology, Women University, Mardan, Khyber Pakhtunkhwa (KPK), Pakistan. Email:- drhumafatima@wumardan.edu.pk																									
Experience	<table border="1"> <thead> <tr> <th>Sr No.</th> <th>Designation</th> <th>Institution</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Assistant Professor</td> <td>Department of Zoology, Women University Mardan, Khyber Pakhtunkhwa (KPK), Pakistan</td> <td>2 Feb 2020-up to date</td> </tr> <tr> <td>2.</td> <td>Senior Subject Specialist Biology</td> <td>Punjab Education Foundation Lahore</td> <td>17-04-2017 to 02-01-20202</td> </tr> <tr> <td>3.</td> <td>Lecture of Biology</td> <td>Indus Group of Colleges</td> <td>1-03-2014 to 30- 03-2017</td> </tr> </tbody> </table>				Sr No.	Designation	Institution	Duration	1	Assistant Professor	Department of Zoology, Women University Mardan, Khyber Pakhtunkhwa (KPK), Pakistan	2 Feb 2020-up to date	2.	Senior Subject Specialist Biology	Punjab Education Foundation Lahore	17-04-2017 to 02-01-20202	3.	Lecture of Biology	Indus Group of Colleges	1-03-2014 to 30- 03-2017						
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Honors and Awards	Scholarship awarded by H.E.C on overall 2nd Position in M.Sc badge																									
Additional Charges	Assistant Director Admissions (17 Nov 2022 to 14-04-2023)																									
Memberships	<ol style="list-style-type: none"> 1. Member of Admission Committee of Department of Zoology, WUM 2. Member of Program team Committee of Department of Zoology, WUM 3. Member of Alumnae Committee of WUM 4. Member of 11 standard of IPE team of QEC, WUM 5. Member of Assessment team Committee of Department of Microbiology, WUM 																									
Research Students	<table border="1"> <thead> <tr> <th></th> <th>S.No</th> <th>Name of Student</th> <th>Passed Year</th> </tr> </thead> <tbody> <tr> <td>Ph.D student</td> <td>1.</td> <td>Muhammad Ilyas</td> <td>continue</td> </tr> <tr> <td rowspan="3">Post Graduate Students</td> <td>2.</td> <td>Ridha</td> <td>2017 (Q.A.U)</td> </tr> <tr> <td>3.</td> <td><u>Gulshan</u> Nayyab</td> <td>2016 (Q.A.U)</td> </tr> <tr> <td>4.</td> <td>Qurt ul ain</td> <td>2016 (Q.A.U)</td> </tr> <tr> <td>Graduate</td> <td>5.</td> <td>Laiba</td> <td>2020 (WUM)</td> </tr> </tbody> </table>					S.No	Name of Student	Passed Year	Ph.D student	1.	Muhammad Ilyas	continue	Post Graduate Students	2.	Ridha	2017 (Q.A.U)	3.	<u>Gulshan</u> Nayyab	2016 (Q.A.U)	4.	Qurt ul ain	2016 (Q.A.U)	Graduate	5.	Laiba	2020 (WUM)
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Students	6.	Jalwa	2020 (WUM)
	7.	Khadija	2020 (WUM)
Under Graduate Students	8.	Kainat Khushnoma Faiza Humayun Faiza Basheer Khula Hamna Iram Naz Anmol Kainat	2021 (WUM)
	9.	10 Students	2022 (WUM)
	10.	6 Students Continue	2023 (WUM)

Service Activity

- Teaching different courses to BS (Hons) and Master level classes
- Performed duties as Assistant Directors of Admission WUM
- Performed duties as Member of Admission Committee of Department of Zoology, WUM
- Performed duties as Member of Program team Committee of Department of Zoology, WUM
- Performed duties as Member of Alumnae Committee of WUM
- Performed duties as Member of 11 standard of IPE team of QEC, WUM
- Performed duties as Member of Assessment team Committee of Department of Microbiology, WUM for the session 2021 to 2022
- Performed and managed department tasks from 29th June 2020 to 15th August 2020 as Acting H.O.D
- Performed and managed department tasks from 9th December 2021 to 29th Jan 2022 as Acting H.O.D
- (Form and Take Approval of M.phil and Ph.D courses from 5th B.O.S meeting)
- Worked on detail SAR report of department of Zoology for the session of 2021 to 2022
- Organized, act as focal person and attended a three day workshop and short course on Bio Risk Management. The organizers of this workshop are Association for Bio Risk Management (ABM Pakistan) and Health Security Partners Pakistan. from 17 November to 19 November, 2021
- Checked the synopsis and thesis, taken vivas of affiliated colleges.
- Doing work on establishment of lab for Department of Zoology at Women University Mardan

- Doing work on establishment of Museum of Department of Zoology at Women University Mardan. Collected many invertebrate species in spring and Fall semester 2020
- Doing work on establishment of Animal House for Faculty of Biology, Women University Mardan
- Writing and reviewing scientific many write-up (research articles, theses, reviews and projects)
- Submitted two projects one in PSF and second in PCST in last semester.
- Currently supervising and conducting different research on invitro antileishminial activity and different Epidemiological research with AWKUM and District health offices Mardan
- Organized various seminars and students competition activities
- Prepared and submitted high impact manuscripts for publishing in quality journals for improving research environment of the department/University
- Performed Duty as member and chief organizer of clean and green society.
- Prepared academic calendar for Zoology department Faculty and students
- Attend, Communicate, Collaborate and arranged different online seminar: for Zoology Department Faculty and students during last two semesters pandemic situation of COVID-19.
- Attended and Organized for (Zoology Department Faculty and students) online 3rd International Conference of Applied Zoology (ICAP) with collaboration of Quaid-i-Azam University, Islamabad, Applied Zoological Society Of Pakistan, and Government College University Faisalabad from 7th to 8th December 2020.
- Attended the online seminar on "International Symposium on Camel as the Animal of Future" organized by Department of Molecular Biology Virtual University Lahore, Pakistan.22- June- 2020
- Attended the online seminar on ""National Symposium on "Hepatitis, Find the Missing Millions" World Hepatitis Day 2020" organized by Department of Molecular Biology Virtual University Lahore, Pakistan. 06- Aug- 2020
- Attended the online seminar on "International Symposium on "Mental Health and Stress Management" organized by Department of Molecular Biology Virtual University Lahore, Pakistan. 15- Oct- 2020
- Performed different departmental tasks i.e. admissions, Maintenance and updation of admission record, Coordinator of 3 classes, date sheet and time table preparation and many other assigned tasks.
- Trained students of M.Sc and BS students for synopsis, thesis and project write up and project.

Having experience on the following research interest field and areas

Parasitology,	Medical Parasitology	Epidemiology,
Protozoology	Medicinal Plants	Nanotechnology

Research Interest Areas

Malaria and different parasitic Diseases	In-vivio experiment handling	Molecular biology
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At Women University Mardan

- Prevalence of Diabetes malaitus in district Mardan, KPK, Pakistan
- Prevalence of *Helicobacter pylori* infection in district Mardan, KPK, Pakistan
- Prevalence of toxoplosmosis in district Mardan, KPK, Pakistan
- Qualitative Phytochemical Analysis, Cytotoxicity and In- Vitro Anti-Leishmanial Activity of the Four Medicinal Plants against the Promastigotes of *Leishmania tropica*
- Prevalence of *Leishmania* in the Eleven Districts of KPK, Pakistan
- Four Year (2017-2020) Prevalence of Malaria in district Mardan, KPK, Pakistan
- Prevalence of Malaria in district Peshawar, KPK, Pakistan
- Prevalence of Scabies in district Mardan, KPK, Pakistan
- Prevalence, Diagnosis and Histological Study of Liver Fluke infestation in Cattle of District Mardan
- Identification of Ecto Parasite of Fresh Water Fishes, From Kabul River Nowshera, KPK, Pakisten
- Different Epidemiological projects.

➤ **At Quiad-i-Azam University**

- Establishment and optimization of different molecular techniques like DNA extraction, PCR and Gelelectrophoresis protocols for different protozoal diseases especially Malaria.
- Establishment and optimization and handling of in vivo set up for different bio assays.
- Having expertise in the registration and strain order from American type culture collection from America.
- Induced Malaria in mice.
- Diagnosis of Malaria with microscopy
- Prepared Nanoparticles of different Metals and plant extracts (Green synthesis of Nanoparticles).
- Different genetic diseases study
- Plant Extract formation in Soxhelt apparatus.
- Phytochemical analysis of different medicinal plants.
- Cytotoxicity test for any compound.

At Institute of Space and technology Islamabad and at National centre for Physics

Characterization of Nanoparticles of different Metals through UV-Spectrophotometer, XRD, FTIR, SEMS, and TEMS

Brief Statement of Research Interest

***In Vivo* Antiplasmodial Potential of Aqueous And Methanolic Extracts
Of *Four Medicinal* Plants In Male Balb/c Mice.**

URF PROJECT

Projects

S r. N o.	Author Name	Name of Journal, Address with ISSN (Print), Volume, Page No.	Title of Publication	Category (HEC Recognized only)			Publis hed Date /MM/ YY
				W /X / Y	Impa ct Fact or*	Inde xing	
1	Khalid Javed Iqbal, Noor Khan, Mahroze Fatima, Mushtaq Hussain Lashari, Muhammad Asad, Asma Ashraf, Huma Fatima, Hamid Majeed, Irfan Baboo, Khalid Jamshed Iqbal,Ayesha Tanveer.	Plos One	Determination of heavy metals (Pb, Cr, As, Hg, and Cd) into the body organs of selected fish, water, sediment, and soil samples from Head Punjnad and Head Taunsa, Punjab, Pakistan" (PONE-D-23-09625).	W	3.7		Sep 2023
2	Huma Fatima ¹ , Nargis Shaheen ² , Bibi Hajira ³ Khan Niaz Khan ⁴ , Fawad Ali ⁵ , Khadija Ahmad ¹	Journal of Xi'an Shiyu University, Natural Sciences Edition	A Review On Toxoplasmosis in Humans and Animals from Khyber Pakhtunkhwa, Pakistan	X	0.26	10	Januar y 2023
4	Dr. Huma Fatima¹ , Dr. Ayesha Bibi ¹ , Dr. Asma Ashraf ² , Dr Nargis Shaheen ³ Laiba ¹ Fawad Ali	Pakistan Biomedical Journal 5(5), 113–117. https://doi.org/10.54393/pbmj.v5i5.313	Occurrence and Distribution of Diabetes Mellitus in Mardan, KPK Pakistan	Y	0.29	15	2022

Publications

5	Huma Fatima ^{*,a,b} and Sajid Malik ^a	National journal of Biological science	Clinical and phenotypic study of two polydactyly families acertaied from Islamabad	N O	--	10	2022
6	Nargis Shaheen ¹ , Chait enya Verma ² , Thalia Pacheco-Fernandez ² , Aneqa Hamid ³ , Ismail Zeb ⁴ , Syed Aizaz Ali Shah ⁴ , Shah Fahad ⁴ , Attiya Iqbal ⁴ , Asma Ashraf ⁴ , Amjad Khan ⁴ , Misbah Gul ⁴ , Muhammad Ilyas Khan ⁵ , Huma Fatima ⁴ , Muhammad Afzal ⁴ , Abhay R Satoskar ² , Naveeda Akhter Qureshi	Acta tropica 221(1):1059 64 doi: 10.1016/j.act atropica.2021 .105964. Epub ahead of print. PMID: 34023304	Molecular characterization and genetic diversity of cutaneous leishmaniasis from North Eastern Pakistan	W	3.222	18	2021
7	Nargis Shaheen, Naveeda Akhter Qureshi, Asma Ashraf, Attiya Iqbal HumaFatima	Journal of Photochemistry & Photobiology , B: Biology	In vitro anti-leishmanial activity of <i>Prunus armeniaca</i> fractions on Leishmania tropica and molecular docking studies	W	6.814	11	May 2021
8	Nargis Shaheen, Naveeda Akhter Qureshi, HumaFatima,	Open Chemistry ISSN: 1874-8422 — Volume 8, 26-36 2021	Evaluation of Safety, Antileishmanial , and Chemistry of Ethanolic Leaves Extracts	W	1.977	03	2021

	Asma Ashraf, Attiya Iqbal		of Seven Medicinal Plants: An <i>In-vitro</i> Study				
9	Asma Ashraf , Naveed a Akhtar Qureshi , Nargis Shaheen , Attiya Iqbal , Huma Fatima , Muhammad Afzal , Saleh S. Alhewairini , Muhammad Zahid Qureshi	Polish. Journal of Environmental Studies 2020;29(5):3493–3507 DOI: https://doi.org/10.15244/pjoes/116105	Termiticidal and Protozocidal Potentials of Eight Tropical Plant Extracts Evaluated Against <i>Odontotermes obesus</i> Rambur (Blattodea; Termitidae) and <i>Heterotermes indicola</i> Wasmann (Blattodea; Rhinotermitidae)	X	1.871	8	2020
10	NargisShaheen, ^a Naveeda AkhterQureshi, ^a Muhammad Zahid Qureshi ^c Huma Fatima ^a Muhammad Afzal ^a Saleh SAhewairini ^b	Acta tropica Volume 206 , June 2020, 105434	Molecular epidemiological survey of cutaneous leishmaniasis from Azad Jammu and Kashmir, Pakistan	W	3.222	16	2020
11	Naveeda Akhtar Qureshi, Huma Fatima , Muhammad Afzal, Aamer Ali Khattak, and Muhammad Ali Nawaz	BMC Infectious Diseases. (2019) 19:935 https://doi.org/10.1186/s12879-019-4590-2	Occurrence and seasonal variation of human Plasmodium infection in Punjab Province, Pakistan”,	W	3.714	14	2019
1	Adnan Yaqoob, Aamer Ali	Malaria journal 2018	Prevalence of molecular	W	3.122	20	Mar

2	Khattak, Muhammad Faisal Nadeem, Huma Fatima ; Gillian Mbambo, Amed Ouattara, Matthew Adams, Nadia Zeeshan, Shannon Takala-Harrison	Dec 17;17(1):471. doi: 10.1186/s12936-018-2620-y.	markers of sulfadoxine-pyrimethamine and artemisinin resistance in <i>Plasmodium falciparum</i> from Pakistan					2018
1 3	Huma Fatima , Naveeda Akhter Qureshi, Nargis Shaheen , Umer Rashid and Muhammad Fiaz Qamar ,	Journal of Acta Polonia and Pharmaceutica n Drug Research,766 , -	In Vivo Antiplasmodial Potential of Aqueous Extracts of Trachyspermum ammi and Punica granatum Seeds in Male BALB/C Mice,	X	0.555	21		Dec 2017
1 4	Huma Fatima and Sajid Malik,	Journal of the College of Physicians and Surgeons of Pakistan,256, - 2015.	Concomitant Congenital Trigger Thumb and Thumb Aplasia,	X	0.554	20		Jun 2015
1 5	Fouzia Yasmeen, Abdul Ghaffoor, Ali Bahadur1, Huma Fatima, Taj Mahmood Rana & M. K. Leghari, International	Journal of Phycology and Phycochemistry,92, - 2013.	Screening of Pakistani Wheat Germplasm against Stem Rust and Stripe Rust Under Controlled Conditions and Occurrence of Some Algal Species,	X	0.8	23		Jan 2013

- Attended one day Seminar on Institutional performance Evaluation Organized by QEC, WUM
 - On 26th Jan , 2023
- Attended a two day workshop and short course on Bio Risk Management and training agenda. The organizers of this workshop are Association for Bio Risk Management (ABM Pakistan) and Health Security Partners Pakistan.
 - From 18 to19 Jan , 2023
- Attended an International Symposium on “Worlds Camel Day” organized by Virtual University of Pakistan.
 - on 22 June, 2022
- Participated and Attended Youth tech Festival Mardan organized by Department of science and technology, Director General of science and technology and information technology board
 - on 3rd June, 2022
- Participated in One Day Workshop on Self-Assessment Report Writing, organized Q.E.C Women University Mardan
 - On 11 May, 2022
- Participated in Session-II on Self-Assessment Report Writing for the Faculty Members of Main campus of Women University Mardan
 - on 30 March, 2022.
- Participated in Session-I on Self-Assessment Report Writing for the Faculty Members of Main campus of Women University Mardan
 - on 11 March, 2022.
- Participation in One Day training Workshop on Mendeley as Electronic Reference Management Tool organized by Pakistan Scientific & Technological Information Peshawar Centre and Women University Mardan
 - On 16 February, 2022
- Organized, (act as focal person) and attended a three day workshop and short course on Bio Risk Management. The organizers of this workshop are Association for Bio Risk Management (ABM Pakistan) and Health Security Partners Pakistan.
 - from 17 November to 19 November, 2021
- Attended and organized Two day online international workshop on Fundamentals and Applications of NMR organized by Department of Chemistry, WUM.
 - from 26 TO 27 Oct 2021
- Attend a Seminar on “Emerging Innovative Research Trends in Biology”. It was organized by Department of Biotechnology and Genetic Engineering, Kohat University of Science and technology, Kohat Khyber Pakhtunkhwa Pakistan. 11th and 12th August, 2021
- Attended an International Seminar on “Vector borne diseases in Pakistan and

Selected Professional Presentations

Future Prospects". It was jointly organized by department of Entomology, Faculty of Crop and Food Sciences, PMAS-AAUR and Office of Research, Innovation and Commercialization (ORIC), PMAS-AAUR.

on Monday 28 June, 2021

- Attended an International Symposium on "Worlds Camel Day" organized by Virtual University of Pakistan.
- on 22 June, 2021
- Attended an online Seminar on Corona Virus vaccination in Pakistan (Myths and Realities). organized by KUTF (Karachi University Teacher's Forum) in collaboration with American Society for Microbiology
- Monday 7th June, 2021 which was
- Attended a webinar on COVID-19 Pandemic and Role of Microbiologist.Organized by American society of microbiologist (ASM)
- 9th June, 2021.
- Attend a webinar on "Principles of species conservation Planning and Remote conservation during a pandemic Situation" Organized by PMAS- Arid Agriculture University Rawalpindi and Department of Molecular Biology Virtual University Lahore, Pakistan. on Thursday 3rd June, 2021
- Attended a webinar on "International Biodiversity Day" Organized by Arid Agriculture University Rawalpindi and Department of Molecular Biology Virtual University Lahore, Pakistan. on Saturday 22 May, 2021.
- Attended the online conference on " Ist international conference on Yaks"" organized by Department of Molecular Biology Virtual University Lahore, Pakistan.18-March- 2021
- Attended and Organized for (Zoology Department
- Attended the online conference on " Ist international conference on Yaks"" organized by Department of Molecular Biology Virtual University Lahore, Pakistan. 18-March- 2021
- Participated in one day training workshop on Global ranking and self assessment report writing Organized by Q.E.C Women University Mardan On 25th Feb 2021
- Attended and Organized for (Zoology Department Faculty and students) online 3rd International Conference of Applied Zoology (ICAP) with collaboration of Quaid-i-Azam University, Islamabad, Applied Zoological Society Of Pakistan, and Government College University Faisalabad
- 7th to 8th December 2020.
- Attended the online seminar on "International Symposium on "Mental Health and Stress Management" organized by Department of Molecular Biology Virtual University Lahore, Pakistan.
 - 15- Oct- 2020
- Attended the online seminar on ""National Symposium on "Hepatitis, Find the Missing Millions" World Hepatitis Day 2020" organized by Department of Molecular Biology Virtual University Lahore, Pakistan.
 - 06- Aug- 2020
- Attended the online seminar on "International Symposium on Camel as the Animal of Future" organized by Department of Molecular Biology Virtual

University Lahore, Pakistan.

- 22- June- 2020
- Organized the cleanliness awareness walk, Models preparation by students and plantation activity as chief organizers in Women University Mardan, Pakistan
 - 11-March-2020
- Attended the one day seminar on “Green Revolution, organized by department of Botony Women University Mardan, Pakistan
 - 11-March-2020
- Attended the one day seminar on “Crime verses Forensic Science, Prevention of Crimes Using Modern Tools of Forensic Science, organized by department of Chemistry Women University Mardan, Pakistan
 - 4 -March-2020
- Orientation sessions for item development and briefing on Item Response Theory by Dr. Lucy Jones and by Cambric Education Experts Program Monitoring & Implementation Unit Lahore (P.M.I.U)
 - July and 9-13 in August, 2019
- Participated as speaker in First PEF- PEC Educational Conference (PPEC) 2017 Organized by Academic Development unit of Punjab Education Foundation Lahore
 - 31 Oct to 02 Nov, 2017
- Attended and presented the Abstract in One Health international Conference (OHC- 2017) Organized College of Veterinary and Animal Science, Jhang, Pakistan
 - 13 to 15- 11-2017
- Attended the one day training on “ISO-9001” Certification organized by International Standardization for Organization.
 - Oct 15 2017
- Attended the five Day workshop on Student Learning Outcome and item analysis organized by Centre for Executive Education at University of Management and technology Lahore
 - 21 to 25-08 2017
- Attended the two day training workshop on “Citation Management Tool End Note X8” Organized by Pakistan Scientific and Technological Information Centre (PASTIC) Islamabad, Pakistan
 - 07 to 08-12-2016
- Attended the one day workshop on “Scientific Presentation: Deliver and Design Like a Pro” Organized by Department of Biotechnology and Pharmacy, Quaid-i-Azam University, Islamabad Pakistan 10-11-2016
- Attended the one day workshop on “Biosafety & Biosecurity in life Sciences Research” Organized by Department of Bio chemistry Quaid-i-Azam University, Islamabad Pakistan

	<ul style="list-style-type: none"> ○ 13-05-2016 ➤ Attended the symposium on “National Symposium on Economic Development through Plants cultivation and conservation” Organized by Department Of Botany, University of Swat ○ 05 to 06 May-2016 ➤ Attended the symposium on “Genetic polymorphism’ and drug delivery system and new therapeutic approaches for complex diseases” Organized by Department of Animal Science Quaid-i-Azam University, Islamabad Pakistan <ul style="list-style-type: none"> ➤ July 19-20, 2012 ➤ Attended the four week induction training of newly recruited SESE (SCIENCE-MATHS) Organized by Directorate of Staff Development Punjab Lahore Pakistan Institute of Development Economics. Economic Growth and Development: New Directions ○ March 5-31 2012 ➤ . Attended and organized “3rd teachers training workshop: laboratory methods in genetics Organized by Department Of Animal Science Quaid-i-Azam University, Islamabad December 26-30, 2011
Further Professional skills	<p>Having experience in</p> <ul style="list-style-type: none"> ➤ different examination tasks like ❖ Secrecy maintenance, ❖ Quality checking of paper printing ➤ Developed documents for 9001:2001 ISO certification for standardization of S.O.Ps for Department ➤ Development of SLO and Curriculum for different courses