



Lasbela University

of Agriculture, Water & Marine Sciences

Uthal District Lasbela, Balochistan

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Name:	Abdul Hameed		
Designation:	Professor		
Email:	hameedbaloch77@gmail.com		
Cell No.:	+923337814431		
Research Area:	Molecular Genetics		
QUALIFICATION			
DEGREE	PASSING YEAR	MAJORS	UNIVERSITY
DVM	2002	DVM	Sindh Agriculture University Tando Jam
Ph.D. (MS leading to Ph.D.)	2014	Biotechnology and Informatics	Balochistan University Information Technology, Engineering and Management Sciences (BUIEMS), Quetta Balochistan
PUBLICATIONS (NATIONAL/INTERNATIONAL)			
1. Rahim S, Hasni K, Baloch AH, Nawaz A, Wajid C, Tariq S ,Hasni MS (2023) Variation Analysis of Acanthopagrus latus found in the costal belt of Lasbela by using Mitochondrial DNA, D-Loop region. Adv. Life Sci. 10(1): 42-47.			
2. Naudhani S, Ahmad A, Khan F, Pervez MT, Zafar A, Shah SA, Raheem N, Baloch AH, Mushtaq M, Daud S (2023) A missense pathogenic variant in a conserved region of CNTNAP2 is associated with obesity, seizures and language impairment in a Pakistani family. Mol Syndromol			
3. Wajid C, Baloch AH, Khosa AN, Kaleri HA, Bangulzai N, Fazlani SA, Sadia H, Kalsoom S, Arain MB, Vistro WA (2022). Prop-1 gene a selective marker of wool production in sheep breeds of Balochistan Pakistan. J. Anim. Health Prod. 10(2): 238-244.			
4. Karim, A., Baloch, A. H*, Kaleri, H.A., Arif, M., Bangulzai, N., Khoso, A.N., Magsi R.A., Naeem, M., Kakar, M.U.H., Jan, M., Marghazani, I.B. (2022) Genetic Characterization of Lasi and Makrani Camel Breeds of Lasbela, Balochistan by Using Microsatellite Markers. PJMLS 5(1): 13-18.			

5. Sadia H, Bugti N, Ashiq S, Kalsoom S, Baloch H, Nawaz A, Akbar A (2022) Demographic Distribution of Viral Hepatitis in the Patients of District Quetta, Pakistan. *RADS J. Biol . Res. Appl . Sci.* 13(1):23-32
6. Arain, M., Bangulzai, N., Khoso, A.N., Soomro, J., Marghazani, I.B., Kakar, M.H., Baloch, A.H., Brohi, S.A. (2020) Comparative Investigation of Feeding Habits and Apparent Digestibility of Maize, Millet and Sorghum Fodders in Sheep and Goat. *Pakistan Journal of Agricultural Research* 33 (3)433-439.
7. Yousafzai, A., Luqman, M., Ahmed, N., Arbab, M., Murad, M., Sajjad, N., Naudani, S., Daud, S., Baloch, A.H., Khushnaseeb, Zahoor, S., Rauf, Z., Javed, M.M., Ahmad, J. (2019) Identification of Mutations in Gene BRCA1/2 in Breast Cancer Cases from Balochistan, Pakistan. *Pakistan Journal of Zoology* 51(4): 1579-1582.
8. Syed, S.F., Zhao, Q., Umar, M., Alagawany, M., Ujjan, I.A., Soomro, F., Bangulzai, N., Baloch, A.H., El-Hack, M.A., Zhou, E., Arain, M.A (2018) Past, present and future of hepatitis E virus infection: Zoonotic perspectives. *Microb Pathog.* 119: 103-108.
9. Yousafzai, A., Ahmed, N., Luqman, M., Naseeb, H.K., Hashmi, N., Rani, K., Murad, M., Arbab, M., Ejaz, M., Ahmed, U., Wali, A., Sajjad, N., Baloch, A.H., Ahmad, J. (2017) Clinical Presentation and Lifestyle Related Risk Factors of Breast Cancer Among Different Age and Ethnic Groups. *Indo Am. J. P. Sci.* 4 (11) 4464-4475.
10. Luqman, M., Yousafzai A., Ahmed, N., Ullah, A., Amin, R., Baloch, A.H., Naudhani, S., Daud S. (2017) Identification of two Missense Mutations (p.Ile198Thr & p.Ser44Arg) in TYR gene in Pakistani families. *Int. J. Biosci* 10 (4) 232-38
11. Magsi, R., Bangulzai, N., Khosa, A.N., Kakar, M.H., Marghazani, I.B., Jan, M., Baloch, A.H. (2016) A case study of Surgical Correction of Atresia Ani in a Fifteen Days Old Non Descriptive male Calf (Cattle). *Lasbela, U.J.Sci.Techl.* (V) 199-200.
12. Nasrullah, Abdullah M., Jan. M., Marghazani, I.B., Khosa, A.N., Masood -ul- Haq kakar, M.H., Mengal A.S., Ahmad N. and Baloch A.H (2016) Performance of Goats and Sheep under stall feeding management system. *Lasbela, U.J.Sci.Techl.* (V) 61-64.
13. Bangulzai, N., Kakar, M.H., Marghazani, I.B., Khosa, A.N., Baloch, A.H., Jan, M., Ahmed. S. and Mengal, S.A. (2016). Feeding behavior and performance of sheep and goats fed on berseem, (*Trifolium alexandrium*) lucern, (*Medicago Sativa*), Oats, (*Avena Sativa*). *Lasbela, U.J.Sci.Techl.* (V) 49-55.
14. Jalbani, M.A., Kaleri, H.A., Baloch, A.H., Bangulzai, N., Bugti, A.G., Ashraf, F., Kaleri, R.R., Jan, M., Bugti, A.G. and Khosa, A.N. (2017) Study of BMP15 Gene Polymorphisim in Lehri Goat Breed of Balochistan. *J. Appl. Environ. Biol. Sci.* 7(2)84-89.
15. Baloch, A.H., Khosa, A.N., Bangulzai, N., Sadia, H., Ahmed, M., Khan, F., Jan, M., Tareen, M., Kakar, M.H., Shuja, J., Naseeb, H.K. and Ahmad, J. (2016) The pattern of invasive lobular carcinoma in the patients diagnosed with breast cancer from Balochistan. *Indian J Cancer.* 53:363-5.

16. Baloch, A.H., Khosa, A.N., Bangulzai, N., Shuja, J., Naseeb, H.K., Jan, M., Marghazani I.B., Masood-ul- Haq Kakar, M.H., Baloch, D.M., Abdul Majeed Cheema, A.M. and Ahmad, J. (2016) Novel Nonsense Variants c.58C>T (p.Q20X) and c.256G>T (p.E85X) in the CHEK2 Gene Identified in Breast Cancer Patients from Balochistan. *Asian Pacific J Cancer Prev.* 17 (7), 3623-3626.
16. Shah, S.A., Raheem, N., Daud, S., Mubeen, J., Shaikh, A.A., Baloch, A.H., Nadeem, A., Tayyab, M., Babar, M.E., and Ahmad, J. (2015) Mutational spectrum of the TYR and SLC45A2 genes in Pakistani families with oculocutaneous albinism, and potential founder effect of missense substitution (p.Arg77Gln) of tyrosinase. *Clin Exp Dermatol.* 40 (7):774-80. doi: 10.1111/ced.12612. Epub 2015 Feb 22.
17. Baloch, A.H., Daud, S., Shuja, J., Ahmad, A., Ali, F., Akram, M., Baloch, D.M., Cheema, A.M., Iqbal, M. and Ahmad, J. (2014) Metaplastic Carcinoma of the Breast: A Clinical Study of 7 Cases from Balochistan. *Advances in Breast Cancer Research* (3) 106-110. <http://dx.doi.org/10.4236/abcr.2014.33016>
18. Baloch, A.H., Daud, S., Raheem, N., Luqman, M., Ahmad, A., Rehman, A., Shuja, J., Rasheed, S., Ali, A., Kakar, N., Naseeb, H.K., Mengal, M.A., Awan, M.A., Wasim, M., Baloch, D.M and Ahmad, J. (2014) Missense mutations (p.H371Y, p.D438Y) in gene CHEK2 are associated with breast cancer risk in women of Balochistan origin. *Mol Biol Rep.* (2):1103-7.
19. Hussain, R., Daud, S., Kakar, N., Ahmad, A., Baloch, A.H., Tareen, A.M., Kakar, M.A. and Ahmad, J. (2012) A missense mutation (p.G274R) in gene ASPA causes Canavan disease in a Pakistani family. *Mol Biol Rep.* 39(5):6197-201.
20. Baloch, A.H., Shuja, J., Daud, S., Ahmed, M., Ahmad, A., Tareen, M., Khan, F., Kakar, M.A., Baloch, D.M., Kakar, N., Naseeb, H.K. and Ahmad, J. (2012) Various Aspects, Patterns and Risk Factors in Breast Cancer Patients of Balochistan. *Asian Pacific J Cancer Prev* (13), 4013-4016

PAPER PRESENTATIONS IN FOREIGN CONFERENCES

1. **Hameed A**, Mohsin M, Khosa A.N, Bangulzai N, and Marghazani I.B (2017) Analysing the genetic diversification among the sheep breeds of Balochistan by utilizing the mitochondrial cytochrome *b* gene. 36th International Society of Genetics (ISAG 2017) held at **University College Dublin (UCD), Ireland** from 16-21 July, 2017.
2. Attended the 34th Annual Meeting of the German Society for Human Genetics held on 15 -17. March 2023 in Kassel, Germany

PAPER PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES

1. Hameed A (2018) Genetic Characterization of Lasi and Makrani Camel Breeds of Lasbela, Balochistan Using Microsatellite Markers. OMICS for Animal Science: Opportunities and Challenges held in 20-21 February 2018 organized by Institute of Biochemistry & Biotechnology (IBBT) University of Veterinary and Animal Sciences Lahore-Pakistan
2. Jameela Shuja, Abdul Hameed Baloch, Hafiz Khush Naseeb, Ahmad Muhammad Sadiq, Jamil Ahmad (2015) missense mutations (p.h371y, p.d438y) in gene chek2 are associated

with breast cancer risk in women of balochistan origin. 10th International Symposium and Golden Jubilee NIMAR Jamshoro. March 6-8 2015. Cancer and Cure (Cancer in 21st Century)

3. Marghazani, I.B., Jabbar, M.A, Pasha, T.N., Nasrullah, Kakar, M.H., Khosa, A.N and Baloch, A.H. (2015) Intake digestibility of summer fodder fed sheep and goats. The 5th International Conference on Sustainable Animal Agriculture for Developing Countries. Dusit Thani Pattaya Hotel, Thailand.

TEACHING EXPERIENCE

Designation	From	To	Organization
Research Associate	2005-2006	Biotechnology	BUIITEMS
Assistant Professor	April 2015 to February 2018	Animal Breeding and Genetics (ABG)	LUAWMS
Associate Professor	February 2018 to September 2021	ABG	LUAWMS
Professor	September 2021- to date	Biotechnology	LUAWMS

Workshops/Seminars/Trainings Attended and Conducted:

Workshops/Seminars/Trainings Attended and Conducted:

2023 three months hands-on training in advanced molecular genetics techniques and data analysis with the application of advanced bioinformatics tools related to “Genetics, Genomics, and Bioinformatics.” Held from January 9, 2023, to April 9, 2023 in the Institute for Human Genetics, Universitätsklinikum Schleswig-Holstein, Lubeck Germany

2019 Three Days Workshop of Master Trainers, Ph.D Supervisors Capacity Building Program, held at Higher Education Commission (HEC) of Pakistan, Regional Centre, Karachi from March 4-6, 2019

2018 16th National Training Course on Modern Techniques in Biotechnology, organized by National Institute for Biotechnology and Genetic Engineering, Faisalabad held from April 16-20, 2018.

2017 Livestock Emergency Guidelines and Standards (LEGS), organized by FAO held at Quetta from September (22-24), 2017. (Attended as Master Trainer)

2017 Capacity Building of Faculty & Staff of HEIs (workshop on PhD Students Supervision organized by HEC on April 28, 2017.

2016 Professional Development of Teachers through Medium of English Organized by QEC, LUAWMS and Learning Innovation Division of Higher Education Commission (HEC) Pakistan held at LUWAMS.

2016 Hands on Training Workshop on Clinical Diagnostic by Real Time PCR, Western Blot and Cell Culturing jointly organized by IBB and CAMB, University of The Punjab from 18-21st October 2016.

2016. Livestock Emergency Guidelines and Standards (LEGS), organized by FAO held at Quetta on June 2016. (Attended as Master Trainer)

2016. Livestock Emergency Guidelines and Standards (LEGS), organized by FAO Training of Trainers (TOT) held at Islamabad from 11th to 16th January 2016.

2014 Project Formulation Workshop held at Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS), Quetta, Balochistan from 22nd to 23rd October 2014

2013. Refresher Course of District Zoonotic Control Committee' Training on Zoonosis held at civil Veterinary Hospital, Quetta from 21st to 22nd June 2013.

2011 3rd International Symposium-cum Training Course on Molecular Medicine and Drug Research, organized by the Dr. Panjwani Center for molecular Medicine and Drug Research, University of Karachi (attended online) from 3rd to 6th January 2011

2010. Refugees Affected & Hosting Areas (RAHA-RAA) Programme Balochistan, Workshop on Effective Communication held at Rural Development Academy Balochistan, Quetta from 9th to 11th August 2010.

2005 Staff development training (November 14- December 10, 2005 held by Higher Education Committee (HEC) coordinated by BUITMS in BUITMS City campus Jinnah Town Quetta held in 2006.

2005 Fifth International Biennial Conference of Microbiology (FIBC-PSM 2005), "Molecular Mechanism of Host –Pathogen Interactions" held at Karachi from 10th to 15th January 2005.

2004 Information Technology Refresher Course conducted by Information and learning Center Khuzdar from 9th to 25th January 2004.

2003 Certificate of Completion of Development Studies from Institute for development Studies and Practices (IDSP), Quetta, Balochistan during July 2003 to December 2003.

1998 Completed Microsoft (MS) Office course from Noor College of Professional Education, Karachi from 18th September to 18th November 1998.

Short Biography:

I am working as a teacher and research scientist since 2015, and currently working as a professor. I have a working experience of total 17 years since March 2006 when I joined Livestock and Dairy Development Department Balochistan as a Veterinary Officer and also served the department at District Awaran as Executive District Livestock Officer.

I did my Ph.D. in Biotechnology in the field of Cancer genetics. I have a good experience of research both in human and animal genetics and very well aware of project proposal writing, Scientific writings and application of the modern techniques used in molecular genetics and data analysis.

Expert in skills;

DNA Extraction and Quantification

PCR

Gel electrophoresis

DNA Sequencing (Sanger Sequencing)

Whole Exome Sequencing and library preparation

Nanopore sequencing and library preparation.

HiC (High throughput chromatic capture)/ library preparation.

Cell culture/cytogenetics/FISH

VarFish Data analysis

Primer designing (Amplifx/primer3)

Sequencing data analysis through BioEdit/Chromas/SeqMan

Application Bioinformatics tools, genome browsers/databases and webs i.e., NCBI, UCSC, ENSEMBL

BLAT/BLAST, Polyphene