

BIO DATA

Dr. Bushra Nisar Khan

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Objective

To conserve biodiversity and environment for future generation

Personal Information

Marital Status	Married
Domicile	Lahore
Nationality	Pakistani
Religion	Islam

Summary of Qualification

Ph.D	(Zoology)
M.Phil	(Zoology)
M.Sc.	(Zoology)
B.Sc	(Botany, Zoology, Chemistry)
F.Sc.	(Pre-Medical)
Maticulation	(Science)

History of Jobs

January,2017 to till date

Assistant Professor Zoology, Centre for Undergraduate Studies University of the Punjab

December, 2010 to January, 2017

Lecturer Zoology, Centre for Undergraduate Studies, University of the Punjab & Serving Zoo Education & awareness programme voluntarily

June, 2004 to December, 2010:

Education & research officer Lahore zoological Gardens, Lahore

Job Experience

Education, Research & Awareness
Zoo Education Master Planning
Training of volunteers and Zoo Staff

Printing of Zoo Education and research Material
Designing & Development Animal Habitat, Collection Plan and Animal Signology
Media Correspondence
Editor Zoo Newsletter, Zoo Web Development

Event Management
Development of Legislation of Punjab Zoological Gardens
Collection of £. 31740/= for Lahore Zoo through animal adoption and sponsorships

Training Certificate

- 2002- Three months certificate computer training
- 2006- Fifteen days training of Fire Prevention Training from Civil Defence
- 2007- One week Museum Curation Course, GCU, Lahore
- 2009- 15 days Zoo Management Training, Asian Institute of Technology, Thailand
- 2011- Handling techniques of volant & non-volant mammals, Agriculture University Faisalabad.
- 2017- 27th-31st March, 2017 Technical Training & Skills Development in Animal Keeping, Department of Zoology University of the Punjab.
- 2017- 2 Days Workshop on Patent Filing & Introduction to Intellectual Property System of Pakistan

Research Publications

- Effect of Organophosphate on some serum enzymes of *Mus musculus* T. Omer & B. N. Khan BIOLOGIA 2004, 50(1), PP 85-91: ISSN 0006-3096
- Changes In The Liver Histology Of Albino Mice Due To Methamidophos Intoxification T. Omer & B. N.Khan BIOLOGIA 2002, 46(1&2), PP: ISSN 0006-3096
- Peculiarities of Mangla reservoir: biodiversity with sustainable use options, 2011 Z. Ali, S. Y. Shelly , F. Bibi, G. Joshua, A. M. Khan, B. N. Khan, and M. Akhtar. The Journal of Animal and Plant Sciences 21(2suppl) 410-414
- Salt Range Wetlands Complex, Exploratory / Baseline Survey, 2011 Z. Ali, S. Y. Shelly, F. Bib, G. Joshua, A. M. Khan, B. N. Khan and M. Akhtar Journal of Animal and Plant Sciences 21(2suppl) 410-414.
- Serum Chemistry Variables of Bengal Tigers (*Panthera tigris tigris*) Kept in Various Forms of Captivity ,2012 U. Farooq, S. Sajjad, M. Anwar and B.N Khan [Pakistan Veterinary Journal](#) 32(283-285).
- Impact of captivity on social behavior of Chimpanzee (*Pan troglodytes*) at Lahore Zoo, Pakistan B.N.Khan Journal of Animal and Plant Sciences 23(3):2013

- Comparative Behavioral Study of Male Nile Hippopotamus (*Hippopotamus amphibious*) after Pairing at Lahore Zoo (2014). Pakistan Journal of Zoology .46(3): pp 601-607
- Study of Trypanosoma infestation in Royal Bengal Tiger (*Panthera tigris tigris*) at Lahore Zoological Gardens and its therapy (2015). The Journal of Animal & Plant Sciences. 25(3 Supp. 2) 2015 Special Issue Page: 397-403
- Socioecological Assessment and Local Community Perception Towards Wildlife Conservation Around Mangla Dam, AJK(2015). The Journal of Animal & Plant Sciences 25(3 Supp. 2) 2015 Special Issue Page: 397-403.
- Assessment of birds' fauna, occurrence status, diversity indices and Ecological threats at Mangla Dam, AJK from 2011 to 2014 (2015). The Journal of Animal & Plant Sciences 25(3 Supp. 2) 2015 Special Issue Page: 397-403.
- Avian Diversity of Lahore Zoo Safari in Winter Season Lahore, Pakistan (2015). The Journal of Animal & Plant Sciences. 25(3 Supp. 2) 2015 Special Issue Page: 397-403.
- Occurrence of Salmonella In Freshwater Fishes: A Review (2015). The Journal of Animal & Plant Sciences 25(3 Supp. 2) 2015 Special Issue Page: 397-403.
- Prevalence of Dengue Fever during 2011 - 2012 in Punjab (2015). The Journal of Animal & Plant Sciences. 25(3 Supp. 2) 2015 Special Issue Page: 397-403.
- Assessment of Population Trends of Birds at Taunsa Barrage Wildlife Sanctuary, Pakistan (2016). Biologia 62 (2), 201-210.
- Impact of Different Captive Environmental Conditions on Behavior of African Lions and their Welfare at Lahore Zoo and Safari Zoo Lahore Pakistan (2018).Journal of Zoology 50(2), 523-531.
- Assessment of Seasonal Distribution and Threats to Avian Fauna of Lahore Safari Zoo (2018). Journal of Zoology 50(2), 533-538.
- Diet Preferences and General Behavior of Peafowls in Captive Environment (2018). Punjab University Journal of Zoology. *J. Zool.*, **33(1)**: xxx-xxxx. <http://dx.doi.org/10.17582/pujz/201.....>
- Study of vertebrate diversity at Lal Suhanra National Park, Pakistan Accepted for The Journal of Animal & Plant Sciences December, 2018 Issue

Other Publication

1. Report on Lahore Zoo Outreach Programme for *In-Situ* Conservation of Blind Indus Dolphin *Platanista minor* in Zoo Print Magazine June, 2005 issue International.
2. Vultures of Pakistan, Urdu Science Board (In Press)
3. Indus Blind Dolphin ecology in Urdu for Encyclopedia of Urdu Science Board

Book Publish

Author of Book Gidh- Ake qudarti Khakrob (In Urdu)

Publisher : Urdu Sciences Board

Liaison with Different Associations

1. Member of Pakistan Biological Society
2. Member of Pakistan Fisheries Society
3. Fellow The Zoological Society of Pakistan
4. Member of South Asian Association for Regional Cooperation (SAZARC) (2005)
5. Regional Representative for Education – SAZARC (2005)
6. National Representation for Education for Pakistan – SAZARC (2005)
7. National Representative for Education for Pakistan - SAN-IZE (2005)
8. Member IUCN Commission on Education and Communication (CEC)
9. Member International Zoo Educators Switzerland (2007)

Research Projects

1. 2011-2012- Socioecological study of Mangla Dam and management of its natural resources through local community involvement
2. 2012-2013- Management of Mangla Dam natural resources
3. 2013-2014- PRA for Magla Dam Natural resources
4. 2014-2015- Biodiversity study of Lal Sohna National Park Bahawalpur, Pakistan

5. 2015-2016- Assessment of Zoological Gardens in Punjab, Towards Conservation and Education as per WAZA Standards
6. 2017-2018- Prevalence of Endoparasitic Fauna in Ostriches (*Struthio camelus*) kept at Commercial Farms and Zoos

Paper Setter/External Examiner/Course Inspector

1. Paper Setter/External Examiner for B.A/B.Sc. (Hons) Year-II, 2007 Govt. College University Lahore.
2. Course inspector for Habitat Development and Enclosure Designing in University of Veterinary and Animal Sciences for Wildlife & Ecology Short Courses (WEST), 2009
3. Paper Setter/External Examiner for B.A/B.Sc.(Hons) Four Year Programme University of the Punjab from 2012 to onwards

Research Advisor/Co-Supervisor

Supervise Students from different colleges/universities in their Research Projects as under:-

1. Ms. Sehrish Sohail-2005. Bs. Hons. Kinnard College, Lahore on “Behavioral Study of Guinea Fowl”
2. Ms. Zainab Javed-2005. BS. Hons. Lahore College for Women University on Elephant and Chimpanzee”
3. Mr. Ghanzanfar Ali Virk-2006. M.Sc Statistics. Institute of Statistic University of Punjab on “Public Perception of Zoo”
4. Ms. Bushra Younas , Ms. Hafza Saddique and Ms. Ramsha Abid-2008. BS. Hons. Kinnaird College for women “to study animals’ management in captivity & study the feeding of animal in captivity”
5. Ms. Asfia Shezadi-2009. M. Sc Zoology. Lahore College University for women university “To study behavior of male Hippopotamus after pairing”
6. Ms. Sadaf Iqbal-2009. M.Sc. Zoology. Lahore College University for Women University. “To study behavior of male Rhinoceros after pairing”
7. Ms. Maryam Anwar-2009. M.Sc. Zoology. Lahore College University for Women University. “To study hematology and cortisol level in tigers of Lahore Zoo and Lahore Wildlife Park”

8. Ms. Zunaira Latif-2010. BS. Hons. Lahore College University for Women on “Study of Ecology and Environmental of Lahore Zoo Water Fowls”
9. Ms. Rida Ali-2010. BS. Hons. Lahore College University for Women on “Study of social and Breeding behavior of Giraffe at Lahore Zoo”
10. Ms. Ruhama-2011. BS. Hons. Kinnaird College for Women on “Study of Endoparasite Fauna of Deer in Captivity”
11. Ms. Khadija Ejaz-2011. BS Hons. Kinnaird College for Women on “Behavioral Enrichment of Big cats at captivity”
12. Ms. Rabia Saleem-2016. M. Sc. Zoology. University of Veterinary and Animal Sciences, Lahore. “Chinkara feces as bioindicator of heavy metal contamination in captive environment”.
13. Ms. Hafza Azeem-2016. M. Sc. Zoology. University of Veterinary and Animal Sciences, Lahore. “Grey Partridge feces as bioindicator of heavy metal contamination in captive environment”.
14. Ms. Adeeba Syed-2016. M. Sc. Zoology. Lahore Garrison University. “Assessment of heavy metal contamination in soil, water and fecal samples of Urial (*Ovis orientalis vignei*) housed at Bahawalpur and Lahore Zoo, Pakistan”.
15. Ms. Shams Shaheen-2016. M. Sc. Zoology. Lahore Garrison University. “Analysis of heavy metal contamination in soil, water and fecal samples of Spotted Deer (*Axis axis*) at Bahawalpur and Lahore Zoo, Pakistan”.
16. Ali Raza 2017 Lahore Garrison University Analysis of Biochemical Contamination in Cages of Lion (*Pantheraleo*) at Safari Zoo and Lahore Zoo Lahore

Conferences & Workshops

1. Participated and Presented “Lahore Zoo Education Programme” in SAZARC (South Asian Association for Regional Cooperation). 2004. Lahore Zoo Lahore Pakistan.
2. Participated and Presented “Zoo Education a tool for conservation” in AZEC (2007) Singapore Zoo, Singapore.
3. Participated and Presented “Lahore Zoo Education Programme” in SAZARC (South Asian Association for Regional Cooperation). 2009. National Zoological Gardens Sri Lanka.

4. Participated and Presented “The Impact of captivity on behavior of Chimpanzee” 32nd Congress of Zoology International 2011. Islamabad Pakistan.
5. Participated and Presented “Avian Diversity of Mangla Dam, AJK with its potential threats” 33rd Congress of Zoology International 2012. Lahore, Pakistan.
6. Participated and Presented “Socioecological Profile of Community around Mangla Dam” 34rd Congress of Zoology International 2014. Karachi, Pakistan.
7. Participated and Presented “Impact of Different Captive Environmental Conditions on Behaviors of African Lion and Their Welfare ” 42nd National Conference of AAZK (American Association of Zoo Keepers) 2015. St. Louis Zoo , St. Louis, USA.
8. Paper “Management of threats faced by avian fauna at Mangla Dam: A neglected wetland for migratory birds” presented in North American Ornithological Conference-VI., August 16-20, 2016 .Washington DC, USA.
9. Assessment of zoological gardens in Punjab, towards conservation and education as per WAZA standards International Conference on Latest Trends in Domestic and Wild Animal Genomics and Biotechnology, November 21-22, **2016**. Virtual University Lahore Pakistan.
- 10 Estimation of heavy metals air pollution from scat of *Antelope Cervi capra* from Captive and natural environmental conditions. The First international Conference on Emerging Trends in Earth and Environmental Sciences, March 09-10, 2017. Collage of earth and environmental Sciences University of the Punjab
11. Sustainable management of biotic resources for healthy ecosystem The First international Conference on Emerging Trends in Earth and Environmental Sciences, March 09-10, 2017. Collage of earth and environmental Sciences University of the Punjab
12. Ecotourism development for sustainable management of biotic resources at Mangla Dam, AJK. 37th Pakistan Conference of Zoology (International) **2017**. GCU-Faisalabad
13. Diet Preferences and general behavior of peafowl in captive environment. 37th Pakistan Conference of Zoology (International) **2017** GCU-Faisalabad
14. Fecal matter as a bio-indicator of pollution in Punjab Urial housed at Bahawalpur and Lahore Zoo.37th Pakistan Conference of Zoology (International) **2017** GCU-Faisalabad
15. Baseline study of microbial contamination in diet and housing facilities of *Panthera leo* housed at different captive conditions of Punjab. 2nd International Conference on Innovative Biological and Public Health Research (IBPHR-**2017**) GCU-Lahore.

16. Sustainable Management Plan for Conservation of Wetland Natural Resources. 38th Pakistan Conference of Zoology (International) **2018** Department of Zoology University of the Punjab Lahore

17. Occurrence & Management of Endoparasitic fauna of Ostriches during winter season at different captive sites of Punjab. 3rd International Conference on Biosciences ICBS-2018. GCU-Lahore

Invited Speaker and Trainer

Trainer and guest speaker at Punjab Wildlife Research Centre Faisalabad (2017) to train officers and official about **Zoos/Wildlife Parks/Captive or Breeding Centres in the 21st Century.**

Trainer and guest speaker at Punjab Wildlife Research Centre Faisalabad (2017) to train officers and official about **Exploring Wildlife Lovers and Collection of Donation**

Trainer and guest speaker at Punjab Wildlife Research Centre Faisalabad (2017) to train officers and official about **Captive Breeding Techniques of Ungulates**

Trainer and guest speaker at Punjab Wildlife Research Centre Faisalabad (2018) to train officers and official about **Captive Breeding Techniques of Pheasants**

Invited Speaker at Biodiversity conservation and ecotourism” 7th-9th May, 2018 Department of zoology Lahore college for women university, Lahore to deliver a lecture on **Role of Zoological Gardens oe conservation of Biodiveresity.**

