

# MUHAMMAD ASIM (Ph.D.)



## **CONTACT INFORMATION**

Chakwal Sulehrian, P/O Sohawara, Tehsil Shakargarh, District Narowal, Punjab, Pakistan

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## **PERSONAL INFORMATIONS**

Father's name : Muhammad Aslam

Date of birth : 16<sup>th</sup> April 1987

Gender : Male

Marital Status : Married

Children : 1 daughter

Nationality : Pakistani

C.N.I.C. : 34502-2015138-7

## **ACADEMIC CERTIFICATIONS**

2021	<b>Doctorate (Zoology)</b> University of the Punjab, Lahore
2015	<b>Bachelor of Education (B.ed)</b> Allama Iqbal Open University, Islamabad
2013	<b>Master of Philosophy (Zoology)</b> University of the Punjab, Lahore
2011	<b>Masters (Zoology)</b> University of the Punjab, Lahore
2007	<b>Bachelor (B.Sc.)</b> University of the Punjab, Lahore
2005	<b>Intermediate (F.Sc.)</b> BISE, Gujranwala
2002	<b>Matriculation (S.S.C.)</b> BISE, Gujranwala

## **FIELD OF SPECIALIZATION**

Vertebrate Palaeontology and Evolution.

## **FIELD OF RESEARCH ACTIVITIES**

Various aspects of the middle Miocene Siwalik Artiodactyls and their evolution.

## **COMPUTER SKILLS**

An introductory course to computer skills including M.S. Office, M.S. Windows, and Adobe Photoshop.

## **SERVICE RECORD**

**Assistant Professor (BPS-19) at University of Narowal**

January 05, 2022 – to Date (3 years, 6 months, 26 days till 31 July, 2025)

**Assistant Professor (BPS-18) at Higher Education Department**

November 23, 2017 - January 04, 2021 (4 year & 1 month)

**Zoologist (BPS-17) at Zoological Survey of Pakistan, Islamabad**

September 07, 2016 - November 23, 2017 (1 year & 2 months)

**Lecturer at Punjab Group of Colleges, Shakargarh**

June 06, 2012 – September 03, 2016 (4 years & 3 months)

## **THESES**

2021	New remains of Middle Miocene Artiodactyls from Chakwal, Punjab, Pakistan (Ph.D.)
2013	Tragulids (Ruminantia, Tragulidae) from Middle Siwaliks of Pakistan (M.Phil.)
2011	Nutritional Assessment of Milk Protein from Buffalo Milk (M.Sc.)

## **THESES SUPERVISION (MS/M.Phil)**

1. **2023-2025** **Ali Haider** (University of Narowal) “New Bovid Fossils from the Tatrot Formation (Early Pliocene) of Kakrala, Jhelum, Punjab, Pakistan”.
2. **2023-2025** **Muhammad Aqib Murad** (University of Narowal) “New Dental remains of Artiodactyls from Dhok Bun Amir Khatoon, Chakwal, Punjab, Pakistan”.
3. **2023-2025** **Shanza Ashfaq** (University of Narowal) “New Bovid remains from the Middle Siwaliks (Late Miocene) of Jhelum, Punjab, Pakistan”.
4. **2023-2025** **Sadaf** (University of Narowal) “Assessment of heavy and trace metals concentration in the liver, muscle and kidney tissues of Khagga (*Rita Rita*) Fish from Narowal, Pakistan”.
5. **2023-2025** **Khadija Ehsan** (University of Narowal) “Assessment of heavy and trace metals concentration in the liver, muscle and kidney tissues of Rohu (*Labeo Rohita*) Fish from Narowal, Pakistan”.
6. **2023-2025** **Esha Abrar** (University of Narowal) “Assessment of heavy and trace metals concentration in the liver, muscle and kidney of Mori Fish (*Cirrhinus Mrigala*) from Narowal, Pakistan”.
7. **2023-2025** **Muhammad Sajid Saleem** (University of Narowal) “Silver nanoparticle (agnps) effects on histology of adult Zebra Fish”.
8. **2023-2025** **Hafsa Amjad** (University of Narowal) “Assessment of heavy metals concentration in the tissues of common Myna (*Acridotheres Tristris*) from Narowal, Pakistan”.
9. **2023-2025** **Taqaddas Hussain** (University of Narowal) “New Suid remains from the Middle Siwaliks Deposit of Mohal Pati, Jhelum, Pakistan”.
10. **2022-2024** **Mehreen Iftikhar** (University of Narowal) “New remains of Late Miocene Bovini from Mohal Patti, Punjab, Pakistan”.
11. **2022-2024** **Aneeqa Habib** (University of Narowal) “Hipparionine remains from Late Miocene deposits of Mohal Patti, Punjab, Pakistan”.
12. **2022-2024** **Sana Tanveer** (University of Narowal) “Bovid remains from Dhok Pathan Formation, Bhaluwala, Jhelum, Punjab, Pakistan”.
13. **2022-2024** **Khadija Ishrat** (University of Narowal) “Late Miocene suid remains from Mohal Patti, Punjab, Pakistan”.
14. **2022-2024** **Javeria Ayub** (University of Narowal) “Giraffids fossils from Middle Siwaliks of Mohal Patti and Bhaluwala”.
15. **2022-2024** **Raheel Shahbaz** (University of Narowal) “New remains of Anthracotheridae from Late Miocene deposits of hasnot and Mohal Patti”.
16. **2022-2024** **Faiza Yasmeen** (University of Narowal) “Late Miocene Boselaphini from Mohal Patti, Punjab, Pakistan”.
17. **2022-2024** **Numra Butt** (University of Narowal) “Evaluation of heavy and trace metal concentration in liver and kidney of pigeons.
18. **2022-2024** **Ujala Fiaz** (University of Narowal) “Evaluation of heavy and trace metal concentration in heart and muscle of pigeons”.
19. **2022-2024** **Nida** (University of Narowal) “Assesment of heavy and trace metal concentrations in liver and kidney of farmed chickens”.
20. **2022-2024** **Aneeza** (University of Narowal) “Assesment of heavy and trace metal concentrations in lungs and heart of domestic chickens.
21. **2022-2024** **Sohaam Shahid** (University of Narowal) “Detection and identification of inorganic pollutants in freshwater fishes”.
22. **2022-2024** **Tooba Abbas** (University of Narowal) “Ameliorative role of *Moringa* leaves and black seed extract against titanium dioxide and silver nanoparticles induced hematological and histopathological changes in spleen of rats”.

## **THESES SUPERVISION (BS)**

1. **2018-2022** **Asad Ali** (University of Narowal) “New remains of Bovids from Dhok Bun Amir Khatoon of Pakistan”

2. **2018-2022 M. Sohail Rasheed** (University of Narowal) “Taxonomic study of suids from Chinji Formation of Pakistan”
3. **2018-2022 Ali Amad** (University of Narowal) “Study of giraffe fossils from Lower Siwaliks of Pakistan”
4. **2021-2025 Ahsan Iqbal** (University of Narowal) “Frequency of anemia in pregnant women in district Narowal based on hematological diagnostic reports”
5. **2021-2025 Ali Abbas** (University of Narowal) “General prevalence of Beta Thalassemia in district Narowal
6. **2021-2025 Jaweria Quraish** (University of Narowal) “Prevalence of Gestational Diabetes and epidemiology of Hypertension in pregnant females at gynecology hospital in district Narowal”
7. **2021-2025 Laiba Butt** (University of Narowal) “Prevalence of Hepatitis and pattern of hematological abnormalities among pregnant women at gynecology hospital of Narowal”
8. **2021-2025 Mamoon Aslam** (University of Narowal) “Incidence and microbial patterns of Urinary Tract Infections (UTIs) among pregnant females: a study from district Narowal”

### **THESES EVALUATION**

1. **Aug., 2025 Arshman Sarwar** (University of Sialkot) “Diversity and Spatial Distribution of Beetle Fauna (Coleoptera) Throughout Monsoon Season from District Sialkot, Pakistan” **(MS)**
2. **Aug., 2025 Iqra Shahzadi** (University of Sialkot) “Integration of Foraging, Navigation, and Sleep Activities using Circadian Rhythms in Cockroaches for Innovative Pest Control Strategies” **(MS)**
3. **Aug., 2025 Sonia Ijaz** (University of Sialkot) “Morphological analysis for wing variations in size and shape of carrion flies using automated image modelling” **(MS)**
4. **Aug., 2025 Faria Shammam** (University of Sialkot) “Comparative Mitogenomic Analysis of Genus *Microcerotermes* (Blattodea: Termitidae) to Identify Genetic Diversity and Spatial-Evolutionary Dynamics” **(MS)**
5. **Aug. 2025 Hafiza Rafia Zaman** (University of Okara) “Tragulid remains from Miocene deposits of Ander Kas, Jhelum, Pakistan” **(M.Phil)**
6. **Aug. 2025 Ali Adnan** (University of Okara) “*Dorcatherium majus* from Late Miocene deposits of Jhelum, Punjab, Pakistan” **(M.Phil)**
7. **June 2024 Amina Zafarullah** (University of the Punjab) “Suid Remains from the Dhok Pathan Formation Deposits of Mohal Patti, Jhelum, Punjab, Pakistan” **(BS)**
8. **Oct. 2024 Muhammad Atif Shahzad** (University of Okara) “Carnivora from Middle Siwalik of Jhelum, Pakistan” **(M.Phil)**
9. **Oct. 2024 Iqra Ali** (University of Okara) “Ungulate fauna from Lower Siwalik of Andar Kas, Jhelum, Pakistan” **(M.Phil)**
10. **Oct. 2024 Farah Naz** (University of Okara) “Antheracotherid remains from Mohal Pati, Jhelum, Pakistan” **(M.Phil)**
11. **Aug., 2022 Ayesha Afzal** (University of Sialkot) “Mammalian Fossils from Chinji Formation of District Chakwal, Punjab, Pakistan” **(MS)**
12. **Aug., 2022 Faiqa Irshad** (University of Sialkot) “Mammalian Remains from the Middle Miocene deposits of Dhok Bun Ameer Khatoon Punjab, Pakistan” **(MS)**
13. **Aug., 2022 Kinza Amjad** (University of Sialkot) “Hipparionine remains from the Middle Siwaliks of Punjab, Pakistan” **(MS)**
14. **Aug., 2022 Farah Naz** (University of Sialkot) “Association of Menstrual Cycle Irregularities with raised BMI after COVID-19 pandemic in adolescents” **(MS)**
15. **Aug., 2022 Mah Tayyaba** (University of Sialkot) “The Effects of Polycystic Ovarian Syndrome on Gestational Diabetes Mellitus” **(MS)**
16. **Nov., 2022 Jannat Javed** (University of Okara) “New dental remains of *Tragoportax Salmontanus* from Middle Siwaliks of Hasnot, Jhelum, Pakistan.” **(M.Phil)**
17. **Nov., 2022 Fizza Jaber** (University of Okara) “New remains of Hipparionine from Hasnot, Jhelum, Pakistan.” **(M.Phil)**

18. **July, 2022 Masira Idrees** (University of Okara) “Mammalian Fauna from Dhok Pathan Formation of district Jehlum, Punjab, Pakistan.” **(M.Phil)**
19. **July, 2022 Abdul Hafeez** (University of Okara) “New remains of Giraffids (Artiodactyla) from Siwaliks of district Jhelum, Pakistan.” **(M.Phil)**
20. **July, 2022 Arslan Sarfraz** (University of Okara) “New fossils of *Pachyportax* (Bovidae) from Middle Siwaliks of Jhelum Pakistan.” **(M.Phil)**
21. **June, 2022 Azka Pervaiz** (University of Okara) “New fossils of bovids (Artiodactyla) from Dhok Pathan Formation of Siwaliks, Pakistan.” **(M.Phil)**
22. **May, 2022 Ammara Irshad** (University of Sialkot) “Mammalian remains from the Nagri type locality, Punjab, Pakistan” **(MS)**
23. **May, 2022 Ayesha Khatoon** (University of Sialkot) “Bovid fossils from the Dhok Pathan Formation (Late Miocene) of Chakwal, Punjab, Pakistan” **(MS)**
24. **May, 2022 Huda Asif** (University of Sialkot) “Giraffid remains from the Middle Miocene deposits of Dhok Bun Ameer Khatoon, Chakwal, Punjab, Pakistan” **(MS)**
25. **Jan, 2022 Rabia Fatima** (University of Punjab) “New remains of Mammals from Dhok Pathan Formation, Middle Siwaliks of Pakistan” **(M.Sc)**

**PUBLICATIONS** (IF: 27.616 (International: 11; National: 16))

1. Ikram T, Safdar F, Babar MA, **Asim M**, Khan MA. **2017**. Fossil molars of *Pachyportax* (Boselaphini, Bovidae) from Middle Siwalik Subgroup of Pakistan. *Biologia (Pakistan)*, 63(2): 147-150. ISSN= 2313-206X
2. Babar MA, Abbas, SG, Khan MA, Aftab K, Hanif M, **Asim M**, Akhtar M. **2018**. New Cervid (Artiodactyla) Fossils from Middle Siwaliks of Pakistan. *Pak J Zool.* 50(4): 1489-1495. ISSN= 0030-9923 Y 25 June 2018
3. Nawaz MA, Abbas SG, Khan MA, Babar MA, **Asim M**, Shahid R, Akhtar M. **2019**. Middle Miocene Suids from Chinji Formation of Chabbar Syedan, Punjab, Pakistan. *Pakistan Journal Zoology.* 51(4): 1343-1353. ISSN= 0030-9923 Y **02 May 2019**
4. **Asim M**, Babar MA, Aftab K, Khan MA, Abbas SG, Shahid R, Nawaz MK, Akhtar M. **2019**. Some new remains of tragulidae (Mammalia: Ruminantia) from the Middle Siwaliks of Pakistan *Journal of Animal Plant Science.* 29(6): 1784-1792. ISSN= 1018-7081 X 29-Nov-2019
5. Aftab K, **Asim M**, Nawaz MK, Babar MA, Khan MA, Ahmed Z. **2019**. New *Giraffokeryx* and *Giraffa* (Ruminantia, Giraffidae) Dental Material from Lower Siwaliks of Northern Pakistan. *Pak J Zool.* 51(1): 177-188. ISSN= 0030-9923 Y
6. Dar FY, Aftab K, Babar MA, Khan MA, Abbas SG, Shahid R, **Asim M**. **2019**. New fossils of suidae (mammalia) from Dhok Pathan Formation of Siwaliks, Punjab, Pakistan. *J Anim Plant Sci.* 29(4): 1198-1203. ISSN= 1018-7081 X
7. Mahmood K, Akram HS, Ahmed Z, Babar MA, Abbas SG, **Asim M**, Khan MA, Akhtar M. **2019**. New fossils of *Pachyportax* (Bovidae, Mammalia) from middle Siwaliks, Punjab, Pakistan. *Biologia (Pakistan)* 65(1):73-76.
8. **Asim M**, Ahmad Z, Khan MA, Babar MA, Abbas SG, Nawaz MK, Aftab K, Akhtar M. **2020**. *Tragoportax* cf. *salmontanus* (Bovidae, Mammalia) from the Middle Miocene of Pakistan. *Pak J Zool.* 52(5):1817-1823. ISSN= 0030-9923 Y

9. **Asim M**, Aftab K, Nawaz MK, Khan MA, Babar MA, Abbas SG, Hussain M, Akhtar M, Qureshi AM. **2020**. New specimens of *Merycopotamus* (Artiodactyla: Anthracotheriidae) from Middle Miocene of Potwar Plateau, Pakistan. *J Anim Plant Sci.* 30(6):1435-1441. ISSN= 1018-7081 X 16-08-2020
10. Khan MA & **Asim M**. **2020**. Middle Miocene Giraffokeryx (Giraffidae) with marks of enamel hypoplasia from Dhok Bun Amir Khatoon, Punjab, Pakistan. *Arab J Geosci.* 13(37): (Published online). ISSN= **1866-7538, 1866-7511 X**
11. Babar MA, Aftab K, Khan MA, Abbas SG, **Asim M**, Akhtar M. **2021**. *Tetraconodon* and *Sivachoerus* (Suidae) from Dhok Pathan and Hasnot area of Potwar Plateau, northern Pakistan. *Arabian Journal Geosciences.* 14:2473. <https://doi.org/10.1007/s12517-021-08684-x>. 1.827
12. Muhammad Khaled Siddiq, Muhammad Adeeb Babar, Muhammad Akbar Khan, Muhammad Umar Ijaz, Sayyed Ghyour Abbas, **Muhammad Asim**, Asif Mahmood Qureshi, Mahboob Iqbal and Muhammad Akhtar, **2021**. *Bubalus platyceros* (Bovidae: Mammalia) in the Sardhok Pabbi Hills of Pakistan. *Pakistan J. Zool.*, vol. 53(6), pp 2157-2165. DOI: <https://dx.doi.org/10.17582/journal.pjz/20200126200135>
13. Fatima Yousuf Dar, Kiran Aftab, Sayyed Ghyour Abbas, Muhammad Adeeb Babar, **Muhammad Asim**, Muhammad Akbar Khan Muhammad Akhtar, **2021**. A supplementary report of the Pleistocene bovids from the Pabbi Hills of Pakistan. *Geological Journal.* 57(1):462-472.
14. Muhammad Akbar Khan, **Muhammad Asim**, Muhammad Adeeb Babar, Sayyed Ghyour Abbas, Muhammad Khalil Nawaz, Qudeer Ahmad, **2021**. New remains of *Gazella* (Bovidae) from Middle Miocene, Pakistan. *Arabian Journal of Geosciences.* 14: 1703.
15. M. K. Nawaz, K. Aftab, M. A. Khan, S. G. Abbas, **M. Asim**, M. A. Babar, M. Hussain and M. Akhtar, **2022**. Mesowear and Paleodiets of Middle Miocene Mammals from Chabbar Syedan, Punjab, Pakistan. *The J. Anim. Plant Sci.*, 32(1):60-68.
16. Croitor R, Khan MA, Abbas SG, Babar MA, **Asim M**, Akhtar M. **2022**. Description of new Pliocene to Early Pleistocene deer (Cervidae, Mammalia) remains from the Siwalik Hills in Pakistan with a discussion on paleobiogeography of cervids from the Indian subcontinent. *Geobios.* 74:21-41. 2.115
17. Mahmood, K., A. Lodhi, **M. Asim**, M.A. Babar and M.A. Khan. **2022**. New fossil material of bovidae (Mammalia) from Dhok Pathan formation of Northern Pakistan. *Biologia (Pakistan)*, 68(2): 40-46. <https://dx.doi.org/10.17582/journal.Biologia/2022/68.2.40.46>
18. M. U. Taja, A. Habibb, M. Ameerc, R. Iqbalc, B. Abbasd, Z. Ashrafa, N. Fatimae, J. Attiquef, **M. Asim**, M. S. Khalid and M. Zohaibi **2022**. Morphometric and gut microbial evaluation of *Tilapia* (*Oreochromis niloticus*) fed on different levels of *Moringa oleifera* Avaliação morfológica e microbiana intestinal de tilápia (*Oreochromis niloticus*) alimentada com diferentes níveis de *Moringa oleifera*. *Brazilian Journal of Biology.* ISSN 1519-6984 (Print) ISSN 1678-4375 (Online).
19. Mahmood K, Khan MA, Abbas SG, Babar MA, **Asim M**. **2023**. Barbourfelines from the middle-late Miocene of the Siwaliks, Pakistan. *Pakistan Journal of Zoology.* 55(06):2753-2759. 0.687
20. Hanif M, Rana N, Khan MA, **Asim M**, Babar MA, Abbas SG, Gul Z, Ahmed Q, Mehmood K. **2023**. Rhinocerotid remains from Middle Siwalik Subgroup of Northern Pakistan. *Taiwania.* 68(2) 205-216. 0.816

21. **Asim M**, Aftab K, Khan MA, Abbas SG, Babar MA, Hussain M, Saeed S. **2023**. Middle Miocene “*Giraffa*” from the Chinji Formation of Siwaliks, Pakistan. *Palaeoworld*. 33(2):459-468. 1.7
22. Arslan Habib, Nadiya Habib, Khalid Mahmood Anjum, Riffat Iqbal, Zeeshan Ashraf, Muhammad Usman Taj, **Muhammad Asim**, Kanwal Javid, Faezeh Idoon, Saeid Dashti, Cassio Rocha Medeiros, Ana Pavla Almeida Diniz Gurgel, Henrique Douglas Melo Coutinho **2023**. Molecular evolution, virology and spatial distribution of HCV genotypes in Pakistan: A meta-analysis. *Infectious Medicine*. 2. 324–333.
23. Tasneem Ikram, Attia Arif, Muhammad Adeeb Babar, Khalid Mahmood, **Muhammad Asim**, Muhammad Akbar Khan and Muhammad Akhtar. **2023**. New Mammalian Remains from the Middle Miocene of Bhilomar Punjab, Pakistan. *Pak. j. sci. ind. res. Ser. B: bio. sci.* 2023 66B (2) 101-106.
24. **Muhammad Asim**, Khalid Mahmood, Muhammad Adeeb Babar, Muhammad Akbar Khan, Qudeer Ahmed & Qurban Ali. **2024**. Middle Miocene *Elachistoceras* (Bovidae: Mammalia) from Chinji Formation of Pakistan: New remains. *International Journal of Agriculture, Environment and BioResearch*. 09 (02): 135-143. ISSN: 2456-8643.
25. Asra Ghaus, Khalid Mahmood, Muhammad Akbar Khan, **Muhammad Asim**, Muhammad Shadab, and Muhammad Adeeb Babar. **2024**. Mesowear and Paleodiet Analysis of Middle Miocene Artiodactyls from Kanhatti, Punjab, Pakistan. *BioScientific Review*. 6(3): 84-96. ISSN(P): 2663-4198, ISSN(E): 2663-4201
26. **Muhammad Asim**, Muhammad Akbar Khan, Sayyed Ghyour Abbas, Muhammad Khalil Nawaz, Muhammad Adeeb Babar, Qudeer Ahmed, Khalid Mahmood, Muhammad Akhtar. **2025**. Mesowear analysis and paleodiets of Middle Miocene artiodactyls from Chakwal, Punjab, Pakistan. *Taiwania* 70(2): 285–292. DOI: 10.6165/tai.2025.70.285. ISSN: 0372-333X
27. M. A. Khan, K. Mahmood, S. G. Abbas, M. A. Babar, A. Qudeer, M. Hanif, and **M. Asim**. **2025**. *Anisodon salinus* (Perissodactyla, Chalicotheridae) from the Potwar Plateau, Pakistan. *Paleontological Journal*, 59(7), 7–15. ISSN 0031-0301.
28. Hussain, A., Khan, M.A., **Asim, M.**, Abbas, S.G., Babar, M.A. and Mahmood, K., **2026**. Paleodietary inferences of the Pleistocene (Pinjor Formation) ungulates from district Gujrat using mesowear analysis. *Quaternary International*, 762, p.110201.
29. Zaman Gul, Sayyed Ghyour Abbas, Khalid Mahmood, Muhammad Adeeb Babar, **Muhammad Asim**, Muhammad Akbar Khan, Asra Ghaus, Razia Iqbal and Kiran Aftab. **2026**. A Collection of Hipparionines from the Middle Siwaliks (Late Miocene) of Pakistan. *South Asian J. Zool.*, vol. 44(1), pp 21-28, 2026. **NON HEC**.
30. Hassan Raza, Sayyed Ghyour Abbas, Muhammad Akbar Khan, Kiran Aftab, Muhammad Adeeb Babar, Khalid Mahmood, **Muhammad Asim**, Razia Iqbal and Amina Iqbal. **2026**. Suidae fossils from Late Miocene deposits of Hasnot and Padri, Jhelum, Punjab, Pakistan. *Revista Brasileira de Paleontologia*. Vol. 29(1). In Progress.

### **TRAININGS/CONFERENCES**

- **10 Dec. 2024- 07 Jan. 2025 Training certificate** ‘National Outreach Program for Higher Education Faculty In collaboration with National Academy of Higher Education (NAHE), HEC Islamabad organized by University of Narowal
- **January, 2022** ProQuest Certificate ‘The Art of Academic Honesty: Plagiarism unpacked’ by HEC
- **Februry, 2022** ProQuest Certificate ‘Using RefWorks Writing Tools’ by HEC
- **Februry, 2022** ProQuest Certificate ‘Getting started with RefWorks’ by HEC

- **Februry, 2022** Certificate 'Promoting Research Excellence in Academics across Pakistan' by HEC & ELSVIER
- **4-9 Oct. 2021** Certificate of appreciation '6 Days Lab Refresher Course' by HED & Directorate of Colleges Lahore.
- **March-April 2017** Participation certificate Indus River Dolphin Population Assessment Conducted in by WWF-P
- **Feb.–March, 2017** 37<sup>th</sup> Pakistan Congress of Zoology (International) organized by GCU, Faisalabad

### **ABSTRACTS**

1. **Asim M**, Khan MA, Abbas SG, Nawaz MK, Babar MA. 2022. Mesowear analysis and paleodiets of Middle Miocene artiodactyls from district Chakwal, Punjab, Pakistan. International conference on "New trends in Biological Sciences" in University of Okara, Pakistan (21-22 March, 2022), p. 41.
2. **Asim, M.**, et al., 2019. "*Tragoportax salmontanus* (Bovidae, Mammalia) from the Middle Miocene of Pakistan" Pakistan Congress of Zoology (International), 39, Islamia College University, Peshawar (March, 2019).
3. Khan, M. A. and **Asim, M.**, 2019. Middle Miocene bovids (Mammalia) from Potwar Plateau, northern Pakistan. 79th annual meeting of the Society of Vertebrate Paleontology in Brisbane, Australia (9-12 October), p. 129.
4. Khan, M. A. and **Asim, M.**, 2018. Middle Miocene *Giraffokeryx* (Giraffidae) with marks of enamel hypoplasia from Dhok Bun Amir Khatoon, Punjab, Pakistan. Conference of the Arabian Journal of Geosciences (CAJG), in Hammamet, Tunisia, 1 (12-15 November, 2018), p. 121.
5. **Asim, M.**, et al., 2018. "New remains of Middle Miocene *Gazella* (Bovidae, Ruminantia) from Dhok Bun Amir Khatoon, Punjab, Pakistan" Pakistan Congress of Zoology (International), 38, University of the Punjab, Lahore (Feb. March, 2018).
6. **Asim, M.**, et al., 2017. "*Listriodon pentapotamiae* from Dhok Bun Ameer Khatoon, Chinji Formation, Punjab, Pakistan" Pakistan Congress of Zoology (International), 37, GCU, Faisalabad (Feb. March, 2017).

### **FOSSIL PREPARATION/FIELD WORK/STUDY TOUR**

1. 2022. Study tour to Dhok Bun Amir Khatoon, Lower Siwalik of Pakistan.
2. 2021. Various Study tour to the Lower Siwalik Hills of Pakistan for the collection of fossils.
3. 2020. Various Study tour to the Lower Siwalik Hills of Pakistan for the collection of fossils.
4. 2019. Various Study tour to the Lower Siwalik Hills of Pakistan for the collection of fossils.
5. 2018. Various Study tour to the Lower Siwalik Hills of Pakistan for the collection of fossils.
6. 2017. Population Assessment of Indus Dolphin in the Indus River along with WWF.P.
7. 2016. Mid-winter survey for the assessment of migratory waterfowls in the wetlands of Punjab.
8. 2015. Various Study tour to the Middle & Upper Siwalik of Pakistan for the collection of fossils.
9. 2014. Various Study tour to the Middle & Upper Siwalik of Pakistan for the collection of fossils.
10. 2013. Study tour to the Chinji Formation, Lower Siwalik of Pakistan for the collection of fossils.
11. 2012. Various field tour to Dhok Bun Amir Khatoon, Lower Siwalik of Pakistan for fossil collection.

### **COMMUNITY SERVICES**

1. Nov. 2020- Nov. 2021 HED Committee for verification of private colleges of Lahore Division for inter program
2. July 2021 – Nov. 2021 HED Committee for private colleges of Lahore & Gujranwala Divisions for BS4YDP
3. Certificate of excellence for contribution in the establishment of "Dr. Abu Bakr Fossil Display and Research Center" at Department of Zoology, University of the Punjab, Lahore.
4. Nov. 2020 - Inspection Committee to start BS 4yrs. P/G College for Women Samanabad LHR.
5. Nov. 2020 - Inspection Committee to start BS 4yrs. Govt. Islamia College for Women LHR.
6. Aug. 2022 – Member of BOS, Dept. of Zoology, University of Narowal
7. Aug. 2022 – Member of BOF, University of Narowal
8. Oct. 2022 to date – Incharge College section, University of Narowal
9. Nov. 2022 – Member fact finding Committee for different matters in University of Narowal
10. Feb. 2023 - Convener Grievance Redressal Committee, University of Narowal
11. June, 2023 to date - Office Incharge, Department of Zoology, University of Narowal
12. July 2023 - Convener Petty Purchase Committee University of Narowal
13. Aug. 2023 to date – Convener Committee for The Engagement of DPL, University of Narowal
14. Feb. 2024 to date – Member of postgraduate synopsis scrutiny committee, University of Narowal
15. May 2024 – Convener Discipline Committee on National Peace Conference, University of Narowal

16. June 2024 to date- Convener Auction Committee, University of Narowal
17. June 2024 – Member of Admission Committee 2024, University of Narowal
18. Jan. 2025 to date– Convener Antidrug and Tobacco Committee, University of Narowal
19. March 2025- Secretary of committee for probing missing answer scripts, University of Narowal
20. April 2025 – Member of Admission Committee intermediate 2023-25, University of Narowal
21. Jan. 2026 – Additional Director Adminsitration & Coordination, University of Narowal

## **REFERENCES**

### **Prof. (R) Dr. Muhammad Akhtar**

Institute of Zoology,  
University of the Punjab,  
Quaid-e-Azam Campus, Lahore.  
+923225605657 [drakhtarfdrc@hotmail.com](mailto:drakhtarfdrc@hotmail.com)

### **Prof. Dr. Muhammad Akbar Khan**

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