

MUHAMMAD AKBAR KHAN (PhD)

Nationality Pakistani
Marital status Married (3 children)

Present Position

- **Professor (TTS)**, Institute of Zoology, University of the Punjab, Lahore, Pakistan.
- **Chairman Hall Council**, University of the Punjab, Lahore.
- **Warden Boys Hostel No. 14**, University of the Punjab, Lahore.

Professional Training

- **Harvard University**, Department of Human Evolutionary Biology, Boston, United States of America.

Publications : 212 (197 articles, 3 monographs, 2 book chapters, 7 conference papers, 2 books, 1 practical notebook).

Citations : 1687 ; **h-index** : 20 ; **i10-index** : 22 ; **abstracts** : 120.

Research Supervision: **PhD Awarded** – 15; MPhil/MS Awarded – 56; MSc/BS – 37.

Field of Specialization. Vertebrate Paleontology.

Field of Research Activities Interested in various aspects of the Late Miocene mammals.

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Residence Warden House, Boys Hostel No. 14, New Campus, University of the Punjab, Lahore, Pakistan

Web Address/IDs

- https://www.researchgate.net/profile/Muhammad_Akbar_Khan2
- <http://faculty.m-akbar-khan.pu.edu.pk>
- <http://www.scopus.com/authid/detail.url?origin=AuthorProfile&authorId=15047997600>
- http://scholar.google.com/citations?hl=en&view_op=list_works&gmla=&user=9qyli1QAAAA
- <https://orcid.org/0000-0003-1049-895X>
- <https://www.facebook.com/profile.php?id=100007802523086>
- Dr. M. Akbar Khan @Akbarzool

Professional Experience

1. **Professor (TTS)**, 13 Dec. 2021-continue – Institute of Zoology, University of the Punjab, Lahore, Pakistan.
2. **Associate Professor (Tenured)**, 2019-2021 – Zoology Department, University of the Punjab, Lahore, Pakistan.
3. **Assistant Professor (Tenured)**, 2012-19 – Zoology Department, University of the Punjab, Lahore, Pakistan.
4. **Assistant Professor (BPS)**, 2008-12 – Zoology Department, GC University Faisalabad, Pakistan.
5. **Museum Curator**, 2007-08 – Zoology Department and Undergraduate Block, University of the Punjab, Lahore, Pakistan.
6. **Lecturer (Visiting/Contract)**, 2005-07 — Zoology Department and Undergraduate Block, University of the Punjab, Lahore, Pakistan.
7. **Field demonstrator (Honorary)**, 2000-05 — Zoology Department, University of the Punjab, Lahore, Pakistan.
8. **Editor**, 2008-11 – Journal of Natural Sciences, Zoology Department, GC University, Faisalabad, Punjab, Pakistan.

9. **Associate Editor**, 2013-2015 – Punjab University Journal of Zoology, University of the Punjab, Lahore.
10. **Coordinator** M. Phil and PhD programs, Zoology Department, GC University, Faisalabad (Dec. 03, 2010, to Jan. 31, 2012).
11. **Coordinator** for BS program in Zoology, University of the Punjab, Lahore (April 21, 2012, to May 2018).

Courses Taught: Principles of Palaeontology and Zoogeography, Vertebrate Palaeontology, Invertebrate Palaeontology, Mammalogy, Elements of Stratigraphy, Evolution.

International Collaboration

1. **Harvard University, USA:** Dr. David Pilbeam, Henry Ford II Professor of Human Evolutionary Biology, Harvard University, USA (project: *Sivapithecus* from Siwaliks).
2. **Harvard University, USA:** Dr. Lawrence John Flynn, Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, MA 02138, USA (project: Mammalian fauna of the Siwaliks).
3. **Arizona State University, USA:** Dr. Jay Kelley, Visiting Professor and Research Affiliate, Institute of Human Origins, Arizona State University, USA. Research Associate, Department of Human Evolutionary Biology, Harvard University Curator of Paleoanthropology, Peabody Museum (project: *Sivapithecus* from Siwaliks).
4. **The Pennsylvania State University, USA:** Dr. Nina G. Jablonski, Evan Pugh University Professor of Anthropology, The Pennsylvania State University 409 Carpenter Building University Park, PA 16802 (project: Siwalik *Mesopithecus*).
5. **University of Patras, Greece:** Dr. George Iliopoulos, University of Patras, Greece, 'Erasmus + International Credit Mobility KA 107' (project Miocene Ruminants of the Siwalik Potwar Plateau: A Correlation with the Miocene Ruminants of Balkan-Irano-Afghanian Province).
6. **Museo Nacional de Ciencias Naturales, Spain:** Dr. Maria Rios, Department of Paleobiology Museo Nacional de Ciencias Naturales (CSIC) C/ José Gutiérrez Abascal, 2 28006 - Madrid, SPAIN (project: Giraffidae from Siwaliks).
7. **New York Institute of Technology, USA:** Dr. Nikos Solounias, Department Anatomy and Basic Sciences (project: Giraffidae from Siwaliks).
8. **Academy of Sciences, Molodova:** Dr. Roman Croitor, Academy of Sciences, Molodova (project: Siwalik Cervidae).

Travelling Grants/Country Visited for Exploration, Conference, Training

1. **Switzerland** (22-04-2025; PHEC/A&R/ITG/1-645/2016) – Awarded Rs. 432,325/- to participate in the 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium, University of Zurich, Switzerland, 27 July to 01 August, 2025 in Zurich, Switzerland.
2. **Spain** (20-09-2024; Ref# HEC/R&D/TG/213022) – Awarded Rs. 409,529/- to participate in the Mediterranean Geosciences Union Annual Meeting (MedGU-24)" from 25-11-2024 to 28-11-2024 in Barcelona, Spain.
3. **Spain** (30-10-2024; D/4890/Est-I) – Awarded Rs. 300000/- to participate in the Mediterranean Geosciences Union Annual Meeting (MedGU-24)" from 25-11-2024 to 28-11-2024 in Barcelona, Spain.
4. **Turkey** (08-11-2023; D/6672/Est-I) – Awarded Rs. 300000/- to participate in the Mediterranean Geosciences Union Annual Meeting (MedGU-23)" from 27-11-2023 to 30-11-2023 in Istanbul, Turkey.
5. **Turkey** (05-10-2023) – Awarded Rs. 175000/- to participate in the Mediterranean Geosciences Union Annual Meeting (MedGU-23)" from 27-11-2023 to 30-11-2023 in Istanbul, Turkey.
6. **Kingdom of Saudi Arabia** (26-05-2023) – Awarded Rs. 300000/- to participate in the 4th Jeddah International Conference on Applied Research from 20-06-2023 to 26-06-2023, in Jeddah, Saudi Arabia.
7. **Morocco** (10.10.2022) – Received Rs. 120000/- to participate the Mediterranean Geosciences Union Annual Meeting (MedGU-22) in Marrakech, Morocco.

8. **Kingdom of Saudi Arabia** (04-03 2020) – participation at the 13th International Geological Conference, in Jeddah, Saudi Arabia.
9. **Australia** (20-09-19) – Received Rs. 300,000/- travelling grant to participate in the 79th annual meeting of the Society of Vertebrate Paleontology in Brisbane, Australia from 9-12 Oct. 2019.
10. **Tunisia** (30-08-18) – Received Rs. 230,000/- travelling grant to participate in the 1st Conference of the Arabian Journal of Geosciences (CAJG), in Hammamet, Tunisia from 12-15 Nov. 2018.
11. **France** (16-04-18) – Received Rs. 343764/- travelling grant to participate IPC5 (Jul. 9 to 13, 2018) at Muséum National D'Histoire Naturelle, Paris, France from HEC Islamabad.
12. **USA** (08-01-18) – Sponsor visit by Harvard and Arizona State University to visit to Harvard University, USA, on May 14-18, 2018.
13. **Australia** (16-06-2016) – Received Rs. 350000/- travelling grant to participate in the International Scientific Conference Palaeo Down Under 2 at Adelaide, Australia.
14. **Argentina** (2014) – Received Rs. 315000/- travelling grant to participate in 4th International Palaeontological Congress, Mendoza, Argentina.
15. **Russia** (2007) – Higher Education Commission (HEC) has awarded Rs. 1, 43500/- for traveling to Russia for the presentation in the 4th International Mammoth Conference, Jun. 128-22, 2007.
16. **Canada** (2006) – Higher Education Commission (HEC) has awarded Rs. 1,25,000/- for traveling to Canada, Montreal, RedPath Museum, McGill University for the oral presentation in the 16th Canadian Paleontology Conference on 13-16, 2006.
17. **USA (2005)** – Higher Education Commission (HEC) has awarded Rs. 94,000/- for traveling to USA, South Dakota for the presentation in the 2nd Congress, The World of elephant on Sep 22, 2005.

Funding

1. **University of the Punjab** funded research project of Rs. 300,000/- entitled, 'Hemicyonid and Amphicyonid Remains from the Middle to Late Miocene Siwaliks of Pakistan' (2024).
2. **University of the Punjab** funded research project of Rs. 300,000/- entitled, 'Faunal Correlation of Middle Miocene Locality of Chabbar Syedan with Some Other Localities of Chinnji Formation of Siwalik Group' (2023).
3. **University of the Punjab** funded research project of Rs. 433,000/- entitled, 'Hipparionine Fossils from Dhok Pathan Formation in Punjab, Pakistan' (2022).
4. **University of the Punjab** funded research project of Rs. 150,000/- entitled, 'Miocene Chalicotheres (Clawed Horses) from Potwar Plateau of Pakistan' (2019).
5. **University of the Punjab** funded research project of Rs. 150,000/- entitled, 'The Large Mammalian Fauna from the New Vertebrate Site of Pabbi Hills (Pleistocene), Pakistan' (2017).
6. **Erasmus + International Credit Mobility KA 107** for the purpose of staff mobility for training funded by European Union (2017).
7. **HEC** funded research project of Rs. 4,123,284/-, entitled, 'The Siwalik Proboscideans from Northern Pakistan' (2016).
8. **University of the Punjab** funded research project of Rs. 150,000/- entitled, 'Suidae (Mammalia) from Dhok Pathan Formation of Potwar Plateau, Pakistan' (2016).
9. **University of the Punjab** funded research project of Rs. 150,000/- entitled, 'Mammalian Fossil collection from the Potwar Plateau of Pakistan for the Fossil Display Research Centre at the Jhelum Campus, University of the Punjab, Lahore' (2016).
10. **University of the Punjab** funded special grant Rs. 1540000/- for the establishment of Palaeontology laboratory, University of the Punjab, Lahore (2015).
11. **University of the Punjab** funded research project of Rs. 150,000/-, entitled '*Progiraffa* (Mammalia, Artiodactyla, Giraffidae) from Lower Siwaliks of northern Pakistan (2015).

12. **University of the Punjab** funded special grant Rs. 2670000/- for the establishment of Fossil Display & Research Centre (2014).
13. **University of the Punjab** funded special grant Rs. 619000/- for the establishment of Fossil Display & Research Centre (2014).
14. **University of the Punjab** funded research project of Rs. 150,000/-, entitled 'Tragulid (Mammalia, Artiodactyla, Tragulidae) fossils from the Dhok Pathan Formation of northern Pakistan (2014).
15. **University of the Punjab** funded research project of Rs. 150,000/-, entitled 'Mammalian fauna from the Middle Miocene of Dhok Bun Amir Khatoon, northern Pakistan: Taxonomy and Biostratigraphy' (2013).
16. **HEC** funded research project of Rs. 16,45,800/-, entitled, 'Extinct Bovids from the Dhok Pathan Formation of the district Chakwal in the Siwaliks of Northern Pakistan' (2010).

Technical reports

1. **Faunal Correlation** of Middle Miocene Locality of Chabbar Syedan with Some Other Localities of Chnini Formation of Siwalik Group (2023).
2. **Hipparionine** fossils from Dhok Pathan Formation in Punjab, Pakistan (2022).
3. **Miocene chalicotheres** (clawed horses) from Potwar Plateau of Pakistan (2020).
4. **The large mammalian** fauna from the new vertebrate site of Pabbi Hills (Pleistocene), Pakistan (2019).
5. **The Siwalik proboscideans** from northern Pakistan (3rd year; 2019).
6. **The Siwalik proboscideans** from northern Pakistan (2nd year; 2018).
7. **The Siwalik proboscideans** from northern Pakistan (1st year; 2017).
8. **Suidae** (Mammalia) from Dhok Pathan Formation of Potwar Plateau, Pakistan (2016).
9. **Progiraffa** (Mammalia, Artiodactyla, Giraffidae) from Lower Siwaliks of northern Pakistan (2015).
10. **Tragulid** (Mammalia, Artiodactyla, Tragulidae) fossils from the Dhok Pathan Formation of northern Pakistan (2014).
11. **Mammalian** fauna from the Middle Miocene of Dhok Bun Amir Khatoon, northern Pakistan: Taxonomy and Biostratigraphy (2013).
12. **Extinct bovids** from the Dhok Pathan Formation of the district Chakwal in the Siwaliks of Northern Pakistan (2012).

Management

1. **Chairman Hall Council**, University of the Punjab, Lahore (March 24, 2025 to continue; No. 4865-72/Est. II).
2. **Warden** Boys Hostel No. 14, University of the Punjab, Lahore (Sep. 17, 2015 to continue).
3. **Acting Director General (SES)**, University of the Punjab, Lahore (July 08, 2025 to July 15, 2025; No. 10208-14/Est. II).
4. **In-charge** Zoological Museum, University of the Punjab, Lahore (July 29, 2022 to continue).
5. **Superintendent** Boys Hostel No. 14, University of the Punjab, Lahore (Aug. 25, 2012 to Sep. 17, 2015).
6. **Acting Superintendent** Boys Hostel No. 11, University of the Punjab, Lahore (April 23 to June 2014).
7. **Acting Warden** Boys Hostel No. 19, University of the Punjab, Lahore (March 5-26, 2019 (Ref. No. D/541/B.H=19, dated 4-3-19).
8. **Acting Warden** Boys Hostel No. 19, University of the Punjab, Lahore June 03 to Aug. 14, 2019 (Ref. No. D/556/BH=19, dated 30-5-19).
9. **Acting Warden** Boys Hostel No. 19, University of the Punjab, Lahore (Dec. 11, 2018 to Jan. 11, 2019).
10. **In-charge** attendance record keeping, building repair and modification, lawn maintenance, Zoology Department, University of the Punjab, Lahore (July 18, 2017 to continue).

11. **In-charge** computer lab, Zoology department, University of the Punjab, Lahore (July 2012 to 2016).
12. **In-charge** Non-Teaching Staff, Zoology Department, University of the Punjab, Lahore (Oct. 13, 2016 (D/1798/UZ).
13. **In-charge** Lawns/Parking, Zoology Department, University of the Punjab, Lahore (May 25, 2016; D/999/UZ).
14. **In-charge**, Admission BS Zoology, for the academic year 2014, University of the Punjab (Aug. 07, 2014).
15. **In-charge** BS Zoology Admission 2013, Zoology Department, University of the Punjab, Lahore, Pakistan (August 20, 2013).
16. **In-charge** Departmental Tours, Zoology Department, GC University, Faisalabad (Sep. 16, 2010 to Jan 31, 2012).
17. **In-charge** M. Sc. (M), 4th Semester, Zoology Department, GC University, Faisalabad (April 2010).
18. **In-charge** inventory control, GC University Faisalabad Guest House # 2 (2009).
19. **In-charge** GC University Faisalabad Guest House # 2 (2009).
20. **In-charge** computer lab, Zoology department, PU (February 2007 – Jan. 2008).
21. **Curator**, Department of Zoology, Quid-e-Azam Campus, Punjab University, Lahore (November 2006 – December 2007).
22. **Organizer**, organized several programmes of Adventure Foundation Pakistan at hilly areas since 1998.

Chairman/Convener/Member/Focal Person/Nominations of Administrative Bodies

1. **Chairman** Ad-Hoc committee for the appointment of Wardens and Superintendents of the Hostels, University of the Punjab, Lahore for the year 2025-26 (Oct. 20, 2025; No. D/809/HC).
2. **Chairman** Ad-Hoc committee for the appointment of Wardens and Superintendents of the Hostels, University of the Punjab, Lahore for the year 2025 (May 15, 2025; No. D/387/HC).
3. **Chairman** of the committee for revising the rules of University Halls and eligibility and evaluation criteria for appointment of the appointment of Assistant Superintendents, Superintendents and Wardens, University of the Punjab, Lahore (Nov. 5, 2025; No. D/868/HC).
4. **Chairman** Auction committee to sale out irreparable and redundant material piled up in the Hall Council, University of the Punjab, Lahore (March 11, 2025; No. D/262/R).
5. **Chairman/Convener** committee for selection as well as appointment of daily wages /contingent staff from self-supporting funds/contingent paid staff budget/Departmental funds/Hostel Budget, at Hostels/Hall Council, University of the Punjab, Lahore (June 4, 2025; No. D/2404/Est.II).
6. **Focal** Person for support and guidance regarding PC-1 plan for Zoological Museum Development at the Government Sadiq College Women University Bahawalpur (Sep. 01, 2025; No. D/781/R).
7. **Member** committee to deal with the matters of law and order within all campuses of the University of the Punjab (March 29, 2025; No. D/336/R).
8. **Member** committee to launch a campaign in the University of the Punjab for the humanitarian assistance of the flood affectees (Aug. 8, 2025; No. D/2258/Est.I).
9. **Member** committee to formulate a comprehensive for booking/allotment of university lawns for marriage ceremonies etc. University of the Punjab, Lahore (Feb. 25, 2025; No. D/362/R).
10. **Convener** a technical assistance and purchase committee to oversee and facilitate the solarization process at the hostel of University of the Punjab, Lahore (April 10, 2025; No. D/362/R).
11. **Member** MS/MPhil, PhD and equivalent programs for fall semester 2025 of Institute of Zoology, University of the Punjab, Lahore, Pakistan (July 14, 2025; No. D/4973/Acad.)

12. **Member** PU admission committee 2025, University of the Punjab, Lahore, Pakistan.
13. **Member** to determine eligibility of candidates for the post of Associate Professor for the Institute of Zoology under BS-Advt. last date 16.09.2024 (April 29, 2025; No. D/139/FAS-PS).
14. **Chairman** Disciplinary Committee for Institute of Zoology, University of the Punjab, Lahore (June 11, 2024 to continue; No. D/284/R).
15. **Convener** the committee prepare feasibility report to initiate zoology admission at Jhelum Campus, Institute of Zoology, University of the Punjab, Lahore (April 26, 2024).
16. **Member** Hall Council Committee, University of the Punjab, Lahore (May 14, 2024; D-142/HC).
17. **Incharge** Disciplinary Committee for students, Zoology Institute, University of the Punjab, Lahore (May 22, 2023 to continue; D/811/UZ).
18. **Member** organizing committee 17th National Honeybee Training 'Organic Beekeeping Practices', Institute of Zoology, University of the Punjab, Lahore (Oct. 16, 2023; DFLS/1586).
19. **Member** Hall Council Committee, University of the Punjab, Lahore (Jan. 24, 2023; D-55/HC).
20. **Organizer** 41st Pakistan Congress of Zoology, Institute of Zoology, University of the Punjab, Lahore (2023).
21. **Organizer** International Fisheries & Aquaculture Conference & Expo-2023 (IFACE-2023), Institute of Zoology, University of the Punjab, Lahore (2023).
22. **Member** of the Probe Committee to collect evidence regarding the incident in Boys Hostel No. 14, University of the Punjab, Lahore (Jan. 17, 2023; No.D/29/R).
23. **Member** of admission committee for MS/MPhil/PhD 2023-24, Institute of Zoology, University of the Punjab, Lahore, Pakistan (Aug. 15, 2023; D/1275/UZ).
24. **Member** of committee MS/MPhil Admission Fall Semester 2022, Institute of Zoology, University of the Punjab, Lahore, Pakistan (Oct. 06, 2022; D/1726/UZ).
25. **Member** of Committee Reopening PhD Admission at Institute of Zoology University of the Punjab, Lahore, Pakistan (Sep. 09, 2022; D/1461/UZ).
26. **Inquiry Officer;** inquiry against Mr. Muhammad Irfan Mali, University of the Punjab, Lahore (15-10-21; D/5761/Est.II) (University level).
27. **Member** of Committee for Hall Council, University of the Punjab, Lahore, Pakistan (29-9-21; D/451/HC) (University level).
28. **Member** of Committee for Hall Council, University of the Punjab, Lahore, Pakistan (15-3-21; D/142/HC) (University level).
29. **Member** of Committee for the Audit of the MS/M.Phil./PhD accounts of Zoology Department, University of the Punjab, Lahore, Pakistan (Oct. 05, 2020; D/529/R) (University level).
30. **Member** of Sub-committee for the Audit of the MS/M.Phil./PhD accounts of Zoology Department, University of the Punjab, Lahore, Pakistan (Nov. 04, 2020; D/1984/R).
31. **Expert** in the subject of Zoology for Affiliation Committee, University of the Punjab, Lahore (Sep. 23, 2020; D/1577/UZ).
32. **Chairman** of inquiry committee, constituted by Hall Council for Boys Hostel 18, University of the Punjab, Lahore (Feb. 19, 2020; D-206/HC).
33. **Member** MSc Admission Committee, Zoology Department, University of the Punjab, Lahore, Pakistan (Sep. 16, 2020; D/1464/UZ).
34. **Member** of Disciplinary Committee, Zoology Department, University of the Punjab, Lahore (Nov. 21, 2019 to continue; D/1585/UZ).
35. **Member** Sports Committee, Zoology Department University of the Punjab, Lahore (Feb. 20, 2020; D-596/UZ).
36. **Member** Drafting of Admission Regulations Book for Admission 2020-21 (Phase I), Zoology Department University of the Punjab, Lahore (Mar. 9, 2020; D-933/UZ).

37. **Member** Hall Council Committee-3 for Boys Hostel 18, 19, Islamic Centre Hostel, University of the Punjab, Lahore (April 22, 2019; D. No. 407/ HC).
38. **Member** of Hall Council investigation team for Boys Hostel 8, University of the Punjab, Lahore (Feb. 27, 2019; D. No. 913 HC).
39. **Member** of Hall Council investigation team for Boys Hostel 18, University of the Punjab, Lahore (Feb. 04, 2019 (D. No. 968 HC).
40. **Member** Qualification Equivalence Determination Committee (QEDC) for the Posts of Subject Specialist (Biology) (BS-17) in the Mines Labour Welfare Organization Punjab, Lahore (Jan. 31, 2019; R/136/UZ).
41. **Focal Person** for Provision of Data for Compilation of Annual Report for the Year 2017-18, Zoology Department, University of the Punjab, Lahore (Feb. 8, 2019 (R/178/UZ).
42. **Member** of Committee on review of Security arrangements at educational institutions, Zoology Department, University of the Punjab, Lahore, Pakistan Jan. 8, 2019 (R/98/UZ) –.
43. **Focal Person** for data submission for the Year 2019, Zoology Department, University of the Punjab, Lahore (Jan. 16, 2019; R/72/UZ).
44. **Member** of Entry Test Committee MS/M.Phil, Zoology Department, University of the Punjab, Lahore, Pakistan (2019).
45. **Member** of Disciplinary Committee, Zoology Department, University of the Punjab, Lahore (Feb. 18, 2016 to continue; D/295/UZ).
46. **Focal Person** of Department Hostel affairs, Zoology Department, University of the Punjab, Lahore, Pakistan (April 09, 2018 to continue; D/644/HC).
47. **Focal Person** of Zoology Department, University of the Punjab, Lahore, Pakistan for prevention/elimination of Drug-Use tendencies among students in Educational Institutions (May 7, 2018 to continue; D/529/UZ).
48. **Member** MSc Admission Committee, Zoology Department, University of the Punjab, Lahore, Pakistan (Aug. 07, 2019; D/952/UZ).
49. **Member** BS Admission Committee, Zoology Department, University of the Punjab, Lahore, Pakistan (Sep. 05, 2019; D/1038/UZ).
50. **Member** of Interview Committee of PhD in-service program, Zoology Department, University of the Punjab, Lahore (Jan. 31, 2018; D/174/UZ).
51. **Member** facts finding committee, Hall Council, University of the Punjab, Lahore, Pakistan (Oct. 13, 2018).
52. **Member** MSc Admission Committee, Zoology Department, University of the Punjab, Lahore, Pakistan (Aug. 29, 2018; D/1205/UZ).
53. **Organizer** 38th Pakistan Congress of Zoology, Zoology Department, University of the Punjab, Lahore (2018).
54. **Organizer** annual sports 2017 Zoology Department, University of the Punjab, Lahore (2017).
55. **Member/Coordinator** BS Admission Committee, Zoology Department, University of the Punjab, Lahore, Pakistan (Sep. 12, 2017; D/1585/UZ).
56. **Member** of University Admission Stall Committee, University of the Punjab, Lahore (Sep. 14, 2017; D/1610/UZ).
57. **Focal Person** of Department Hostel affairs, Zoology Department, University of the Punjab, Lahore, Pakistan (Sep. 25, 2017; D/927/HC).
58. **Member** accommodation committee for 38th Pakistan Congress of Zoology (International) (July 18, 2017).
59. **Member** Curriculum Review Committee, Zoology Department, University of the Punjab, Lahore (Aug. 01, 2017; D/203/QEC).
60. **Nomination** to visit various colleges of Punjab for affiliation, University of the Punjab, Lahore (Aug. 23, 2017).
61. **Chairman** of Disciplinary Committee, Boys Hostel # 14, University of the Punjab, Lahore (March 03, 2016).
62. **Nomination** of Faculty Member for University's 125th Convocation (Dec. 15, 2016).

63. **Member** Departmental Committee for Dengue Eradication/Awareness, Zoology Department, University of the Punjab, Lahore (April 19, 2016 (D/712/UZ)).
64. **Member** of inspection team for Halls 15-19 (2015-16), University of the Punjab, Lahore (Nov. 26, 2015).
65. **Focal Person** of Department Hostel affairs, Zoology Department, University of the Punjab, Lahore, Pakistan (Feb. 20, 2016; D/203/HC).
66. **Focal Person** for Main Library for BS Programme, Zoology Department, University of the Punjab, Lahore, Pakistan (2016).
67. **Member** of Committee on review of Security arrangements at educational institutions, Zoology Department, University of the Punjab, Lahore, Pakistan (Jan. 26, 2016; D/078/R).
68. **Member** of the Hall Council for the year 2015-16, University of the Punjab, Lahore, Pakistan (Nov. 11, 2015).
69. **Focal Person** of Department Hostel affairs, Zoology Department, University of the Punjab, Lahore, Pakistan (2015).
70. **Member** of University Admission Stall Committee, University of the Punjab, Lahore (2015).
71. **Member** of Entry Test Committee MS/M.Phil, Zoology Department, University of the Punjab, Lahore, Pakistan (2015).
72. **Secretary** BS Admission Committee, Zoology Department, University of the Punjab, Lahore, Pakistan (2015).
73. **Member** Purchase Committee Zoology Department, University of the Punjab, Lahore, Pakistan (2015).
74. **Member** Examination Monitoring Team for B.A./B.Sc. and other annual and supplementary examinations of MA/MSc., B. Com., Law, University of the Punjab, Lahore for the year 2015 (March 08, 2015).
75. **Member** of Special Purchase Committee for Halls of University of the Punjab, for the financial year 2015.
76. **Focal Person** for Hostel Affairs, Zoology Department, University of the Punjab, Lahore, Pakistan (Sep. 2015).
77. **Member** of Inquiry Committee Hall Council, University of the Punjab, Lahore, Pakistan (March 2015).
78. **Member/Secretary** of Disciplinary Committee of the Zoology Department, University of the Punjab, Lahore (Dec. 13, 2012 to Continue).
79. **Member** of Special Purchase Committee for Halls of University of the Punjab, for the financial year 2014-2015 (Sep. 08, 2014).
80. **Member** of Dengue Eradication/Awareness committee, Zoology Department, University of the Punjab (Sep. 25, 2014).
81. **Member** of Special Admission Committee, Zoology Department, University of the Punjab (Sep. 08, 2014).
82. **Member** of committee for Khalid Bin Waleed Hall, Allama Iqbal Campus, University of the Punjab, Lahore (July 21, 2014).
83. **Member** of Committee for Security Measures in hostels of the Punjab University, Lahore (June 11, 2014).
84. **Member** of Examination Committee Zoology Department, University of the Punjab, Lahore, Pakistan (May 2, 2014).
85. **Member** of **Inquiry Committee** Zoology Department, University of the Punjab, Lahore, Pakistan (March 23, 2014).
86. **Member** Examination Monitoring Team for B.A./B.Sc. and other annual and supplementary examinations, University of the Punjab, Lahore (March 08, 2014).
87. **Member** Purchase Committee Zoology Department, University of the Punjab, Lahore, Pakistan (Feb. 20, 2014).
88. **Member** of committee for Punjab Youth Festival, Zoology Department, University of the Punjab, Lahore, Pakistan (Feb. 17, 2014).
89. **Member** Sports Committee, Zoology Department University of the Punjab, Lahore (March 10, 2014).

90. **Member** of Inspection Committee for checking of furniture purchased for the University Halls, University of the Punjab, Lahore (Dec. 17, 2013).
91. **Member** Examination Monitoring Team, University of the Punjab, Lahore (April 08, 2013).
92. **Member** Security Committee for Book Fair University of the Punjab, Lahore (March 28, 2013).
93. **Member** of Inspection Team for Halls 15-19, University of the Punjab, Lahore (March 26, 2013).
94. **Focal Person** for National Sciences, Technology and innovation policy, 2012 (Ministry of Science and Technology; April 02, 2013).
95. **Member** Sports Committee, Zoology Department University of the Punjab, Lahore (March 27, 2013).
96. **Member/Secretary** of Disciplinary Committee of the Zoology Department, University of the Punjab, Lahore (Dec. 13, 2012).
97. **Member** of Affiliation Committee, University of the Punjab, Lahore, Pakistan (Nov. 29, 2012).
98. **Member** of laptop distribution committee, Zoology Department, University of the Punjab, Lahore (Dec. 24, 2012).
99. **Member** of inspection committee for checking of furniture purchased for the University Halls, University of the Punjab, Lahore (Dec. 05, 2012).
100. **Member** of Inspection Team for Halls 15-19, University of the Punjab, Lahore (Sep. 01, 2012).
101. **Member** of Special Purchase Committee for Halls for the financial year 2012-2013 (Sep. 09, 2012).
102. **Member** Interview Committee for Admission MS/M.Phil. Fall 2012, Zoology department, University of the Punjab, Lahore (July 25, 2012).
103. **Member** Interview Committee for Admission PhD regular program, Zoology department, University of the Punjab, Lahore (July 25, 2012).
104. **Member** for Inspection the B.Sc. Zoology Practical 2012 Examination Centers (Lahore region) from 6-6-12 to 12-6-12 (June 6, 2012)
105. **Member** Ph. D. Admission Committee, Zoology department, University of the Punjab, Lahore (Jul. 11, 2012).
106. **Member** Sports Committee Zoology Department, University of the Punjab, Lahore (March 9, 2012).
107. **Nomination** for Book Fair, University of the Punjab, Lahore (March 8, 2012).
108. **Convener** M. Phil/PhD Admission Committee, Zoology Department, GC University, Faisalabad (Feb. 2011).
109. **Member** Departmental Thesis Scrutiny Committee, Zoology Department, GC University, Faisalabad (Dec. 14, 2010 to Jan. 31, 2012).
110. **Member** Annual Stock Verification Committee, GC University, Faisalabad (June 07, 2010).
111. **Convener** Book Selection Committee, Zoology Department, GC University, Faisalabad (May 06, 2010).
112. **Convener** Departmental Library Committee, Zoology Department, GC University, Faisalabad (April 2010).
113. **Secretary**, Committee for Dealing the Impress Money, Zoology Department, GC University, Faisalabad (2009).
114. **Member** discipline committee GC University Faisalabad (2009).
115. **Member** Publicity Committee of the 1st Convocation of GC University, Faisalabad (2009).
116. **Member** Reception Committee of the 1st Convocation of GC University, Faisalabad (2009).
117. **Member** M. Sc. Admission Committee, Zoology department, PU (2007-2008).
118. **Member** of Examination Inspection Team, Zoology department, Punjab University (Nov. 2006 – Jan. 2008).

119. **Member** of Examination Inspection Committee of Zoology department, Punjab University for the examination of M. Sc. (Nov. 2006 – Jan. 2008).
120. **Member** of the Disciplinary Committee for the Hall Council, GC University, Faisalabad (2011).

Professional Membership

1. **Member** Board of Faculty of Health Sciences, University of the Punjab, Lahore (Sep. 9, 2025; No. D/6012/Acad.)
2. **Member** Board of Studies, Zoology Department, Govt. College Women University Sialkot (July 24, 2025 to July 24, 2028; No. D/REG/Zool/25/1321).
3. **Member** Board of Studies, Zoology Department, Govt. College University Faisalabad (Aug. 4, 2025; No. /ZOL/2025/4054).
4. **Member** Editorial Committee, Pakistan Journal of Zoology (Sept. 22, 2023 to continue).
5. **Member** Departmental Tenure Review Committee (DTRC), Institute of Zoology, University of the Punjab, Lahore (April 04, 2023 to continue; No.D/367/HR).
6. **Member**, Board of Faculty of Life Sciences (Duration: 01-08-24 to 31-07-26), University of the Punjab, Lahore, Punjab, Pakistan (Aug. 01, 2024; D/4975/Acad.).
7. **Subject Specialist**, Recruitment to the posts of Lecturer (Female, BS 17), Federal Directorate of Education, Ministry of Federal Education & Professional Training (Feb. 3, 2023; No. R/3633/Est-I).
8. **Subject Specialist**, Recruitment to the posts of Lecturer (Male, BS 17), Federal Directorate of Education, Ministry of Federal Education & Professional Training (Jan. 9, 2023; No. R/103/Est-I).
9. **Member**, Departmental Research Program Committee (DRPC), Govt. College Women University Sialkot (Notification No. D/REG/Zoo/23/1561; dated 14-09-2023).
10. **Member** The Departmental Doctoral Program Committee (DDPC), Zoology Department, University of the Punjab, Lahore (Sep. 19, 2022 to continue; No.D/12178/HR).
11. **Member** of the committee to prepare/conduct the test at par with GRE (General) & GRE (Subject) for admission in MS/MPhil & PhD or equivalent Program in the Department of Zoology, Government College Women University, Sialkot; letter No. D/REG/Comm/22/3489, dated: 07-09-22.
12. **Member** Assessment Team, Department of Zoology, University of Gujrat, Punjab, Pakistan (external subject specialist for Self-Assessment Report; letter No. UOG/QEC/ACD/07/254; dated: 11/05/2022).
13. **Member** of the Senate, University of the Punjab, Lahore, Pakistan (12-02-22; D/1253/Acad) (University level).
14. **Member** of the Academic Council, University of the Punjab, Lahore, Pakistan (03-03-22; D/1931/Acad) (University level).
15. **Member** Departmental Tenure Review Committee (DTRC), Department of Zoology, University of Okara, Okara (Dec. 31, 2021 to continue; No.UO/R/2021/7166).
16. **Member** Board of Studies, Institute of Zoology, University of the Punjab, Lahore, Pakistan (Mar. 02, 2022; D/1902/Acad.).
17. **Member** Departmental Tenure Review Committee (DTRC), Institute of Zoology, University of the Punjab, Lahore (April 13, 2022 to continue; No.D/543/HR).
18. **Member** Departmental Tenure Review Committee (DTRC), Zoology Department, University of the Punjab, Lahore (Oct. 29, 2020 to continue; No.D/1529/HR).
19. **Member** Departmental Tenure Review Committee (DTRC), Zoology Department, University of the Punjab, Lahore (Feb. 04, 2020; D/488/UZ).
20. **Focal Person** for Quality Enhancement Cell (QEC), Zoology Department, University of the Punjab, Lahore (Feb. 04, 2020 to continue; D/432/UZ).

21. **Member** ORIC Steering Committee for the subject Zoology, University of the Punjab, Lahore (July 09, 2020; D/1040/UZ).
22. **Member** of Department Doctorate Coordination Committee (DDPCC), Zoology Department, University of the Punjab, Lahore (Jan. 23, 2020 to continue; D/299/UZ).
23. **Member** of Scientific Committee, 3rd Conference of the Arabian Journal of Geosciences (CAJG), Springer Nature (Nov. 5, 2020).
24. **Member** Editorial Committee, Punjab University Journal of Zoology, University of the Punjab, Lahore (2015-continue).
25. **Member** Data Required for QS World University Ranking, Zoology Department University of the Punjab, Lahore (Jan. 3, 2020; D-10/UZ).
26. **Member** of the Scientific Committee of the 2nd Conference of the Arabian Journal of Geosciences (CAJG), held in Sousse, Tunisia on 25–28 Nov. 2019.
27. **Member** Departmental Committee for Dengue Eradication/Awareness, Zoology Department, University of the Punjab, Lahore (Sep. 19, 2019; D/1119/UZ).
28. **Member** of Curriculum Review Committee, Zoology department, Punjab University, Lahore (May 05, 2017; No. D/769/UZ).
29. **Nomination** for updating information on PU website for Zoology department, Punjab University, Lahore (Feb. 26, 2016 (No. D/198/R).
30. **Nominated** as expert member for the affiliation branch, University of the Punjab, Lahore, Pakistan (Aug. 23, 2017).
31. **Member**, subject/specialization for departmental test instead of GAT subject in Zoology (Paleontology) (Mar. 11, 2014; No. 1084/Acad.).
32. **Member** National Curriculum Revision Committee in BS Zoology, HEC Islamabad (Mar. 20, 2013).
33. **Elected Member** of Academic Council for Assistant Professor, GC University, Faisalabad (2009-12).
34. **Member** organizing committee for 11th National Beekeeping Training Workshop, Zoology Department, University of the Punjab, Lahore (09-03-15 to 13-03-15).
35. **Member** organizing committee for 10th National Beekeeping Training Workshop, Zoology Department, University of the Punjab, Lahore (17-03-14 to 21-03-14).
36. **Member** organizing committee for 9th National Beekeeping Training Workshop, Zoology Department, University of the Punjab, Lahore (11-03-13 to 15-03-13).
37. **Member** organizing committee for 8th National Beekeeping Training Workshop, Zoology Department, University of the Punjab, Lahore (12-16Mar., 2012).
38. **Member** Organizing Committee for 9th National Beekeeping Training Workshop, Zoology Department, University of the Punjab, Lahore (11-03-13 to 15-03-13).
39. **Member** of the Zoological Society of Pakistan.
40. **Member** of the Fisheries Society of Pakistan.
41. **Member** of the Speers chemical Society, F. C. College, Lahore.
42. **Member** of Adventure Foundation Pakistan.

Life Fellowship

1. Zoological Society of Pakistan (2009).

Distinction

1. **Head Examiner**, Zool II, Chordate Diversity, University of the Punjab, Lahore, Pakistan (Diary No. 1931/AS-II; Dairy Date 25-06-2024).
2. **Chairperson**, Session 4, Section 5 – in the 41th Pakistan Congress of Zoology (International), Institute of Zoology, University of the Punjab, Lahore (Mar. 16-18, 2023).
1. **HEC** (Higher Education Commission of Pakistan) Approved Supervisor (2008).
2. **Reproductive Scientists** of Pakistan, Directory No. 125
3. **Chairperson**, Session V, Section 6 – in the 39th Pakistan Congress of Zoology (International), Zoology Department, Islamic College University Peshawar, Pakistan (Mar. 4-6, 2019).

4. **Co-chairperson**, Session 1, Section XII – in the 38th Pakistan Congress of Zoology (International), University of the Punjab, Lahore, Pakistan (Feb. 28, 2018).
5. **Received** amounts Rs. 12700 for publication cost from University of the Punjab, Lahore, Pakistan (Sep. 22, 2017).
6. **Received** amounts Rs. 12900 for publication cost from University of the Punjab, Lahore, Pakistan (Sep. 22, 2017).
7. **Received** amounts for publication cost from University of the Punjab, Lahore, Pakistan (2016).
8. **Co-chairperson**, Session 4, Section V – in the 35th Pakistan Congress of Zoology (International), University of Karachi (March 4, 2015).
9. **Received** amounts for publication cost from University of the Punjab, Lahore, Pakistan (2015).
10. **Received** amounts for publication cost from University of the Punjab, Lahore, Pakistan (2014).
11. **Received** amounts for publication cost from University of the Punjab, Lahore, Pakistan (2013).
12. **Co-chairperson**, Section V – Fisheries, Ecology, Wildlife, Freshwater Biology, Marine Biology, in the Pakistan Congress of Zoology (International), 32, GC University Lahore (2012).
13. **Received** amounts for publication cost from University of the Punjab, Lahore, Pakistan (2012).
14. **Chairperson**, Section V – Fisheries, Ecology, Wildlife, Freshwater Biology, Marine Biology, in the Pakistan Congress of Zoology (International), 31, University of Azad Jammu and Kashmir, Muzaffarabad (2011).
15. **Received** amounts for publication cost from University of the Punjab, Lahore, Pakistan (2011).
16. **Received** amounts for publication cost from University of the Punjab, Lahore, Pakistan (2010).

Invited Lectures/Discussion/Seminars/expert

1. **Participation** - “France-Pakistan research and academic cooperation: How to identify and apply for EU funds” series organized by the French Embassy in Pakistan, on the Horizon Europe- MSCA – Postdoctoral Fellowships (Mar. 29, 2022).
2. **Invited Lecture** – Siwaliks of Pakistan and paleofauna; one week training workshop on fauna study organized by Stephenson Natural History Museum, Zoology Department, GC University, Lahore (Aug. 27, 2021).
3. **Invited Lecture** – The mammalian paleontology of the Siwalik Potwar Plateau of Pakistan; Seminar series on Siwalik Stratigraphy (Feb. 13, 2021).
4. **Panel Discussion** on the reward system for researchers from scopus community team Elsevier (Jun. 24, 2020).
5. **Lecture/Discussion** on Paleozoology Outreach Event in NUST, Islamabad (Jan. 13, 2019).
6. **Expert** for the selection of Assistant Professor at Federal Public Service Commission Office, Lahore (Sep. 18, 2018; No. R/2821/Dean.Sc.).
7. **Group Discussion** at Department of Human Evolutionary Biology, Harvard University, Boston, United States of America (May 15-18, 2018).
8. **Key Speaker** ‘Two days 4th International Palaeontology Seminar’ Zoology Department, GC University Faisalabad, Punjab, Pakistan (Dec. 14, 2017).
9. **Key Speaker** ‘Two days 3rd National Palaeontology Seminar’ Zoology Department, GC University Faisalabad, Punjab, Pakistan Nov. 16, 2016 –.
10. **Key Speaker** ‘Two days 2nd National Palaeontology Seminar’ Zoology Department, GC University Faisalabad, Punjab, Pakistan (Dec. 03, 2015).
11. **Key Speaker** ‘Two days 1st National Palaeontology Seminar’ Zoology Department, GC University Faisalabad, Punjab, Pakistan (Dec. 04, 2014).

12. **Panel Discussion:** French colleagues for the discussion on “Cenozoic vertebrate from Pakistan in the context of climate changes, and Indo Pakistan (Feb. 3, 2014).

Academic Awards

1. **Oral Presentation Certificate** at the 4th Crossing the Paleontological-Ecological Gap (CPEG) Meeting & 3rd Conservation Paleobiology Symposium, University of Zurich, Switzerland, 27 July to 01 August, 2025 in Zurich, Switzerland.
2. **Oral Presentation Certificate** at the 5th Palaeontological Virtual Congress, 10-25, March 2025 at the Department of Earth Sciences, GeoBioTec. NOVA School of Science and Technology | FCT NOVA. Spain.
3. **Oral Presentation Certificate** at the 5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTec 2024) held in Ankara, Turkey, on 26 to 28 June 2024.
4. **Oral Presentation Certificate** at the Mediterranean Geosciences Union Annual Meeting (MedGU-23), held in Istanbul, Turkey, on 26 to 30 November 2023.
5. **Oral Presentation Certificate** at the 4th Palaeontological Virtual Congress, 8-26, May 2023 at the Department of Earth Sciences, GeoBioTec. NOVA School of Science and Technology | FCT NOVA. Spain.
6. **Oral Presentation Certificate** at the 8th International Meeting on the valorization and Preservation of Paleontological Heritage (RIV3P8; November 23 – 25, 2023, Faculty of Sciences, Chouaib Doukkali University, El Jadida – Morocco.
7. **Oral Presentation Certificate** at the First International Conference on Innovative Academic Studies on 10-13 Sep., 2022 (Sep 11, 2022), at Konya/Turkey.
8. **Oral Presentation Certificate** at the First International Conference on Engineering and Applied Natural Sciences from 10-13 May, 2022 (May 12, 2022).
9. **Oral Presentation Certificate** at the VIII International Conference on Mammoths and their Relatives from 25-28 Oct., 2021 (Oct. 28, 2021).
10. **Participation Certificate** at the VIII International Conference on Mammoths and their Relatives from 25-28 Oct., 2021 (Oct. 28, 2021).
11. **Poster Presentation Certificate** at the 81th Annual Meeting of the Society of Vertebrate Paleontology from 1-5 Nov., 2021 (Nov. 4, 2021).
12. **Oral Presentation Certificate** at the 7th International Conference on Biological Sciences, Faculty of Biology, Universitas Gadjah Mada, Yogyakarta, Indonesia (14-15 Oct., 2021).
13. **Oral Presentation Certificate** at the 10th Nepal Geological Congress, in Kathmandu, Nepal (7 Mar., 2021).
14. **Oral Presentation Certificate** at the 10th Nepal Geological Congress, in Kathmandu, Nepal (7 Mar., 2021).
15. **Oral Presentation Certificate** at the 80th Virtual Annual Meeting of the Society of Vertebrate Paleontology from 11-17 Oct., 2020 (Oct. 12, 2020).
16. **Oral Presentation Certificate** at the 13th International Geological Conference, in Jeddah, Saudi Arabia (Mar. 4, 2020).
17. **Contribution Certificate**, 3rd Conference of the Arabian Journal of Geosciences (CAJG), Springer Nature (Nov. 5, 2020).
18. **Poster Presentation Certificate** at the 79th annual meeting of the Society of Vertebrate Paleontology in Brisbane, Australia from 9-12 October, 2019 (Oct. 10, 2019).
19. **Contribution Certificate**, 3rd Conference of the Arabian Journal of Geosciences (CAJG), Springer Nature (2019).
20. **Oral Presentation Certificate** at the 1st Conference of the Arabian Journal of Geosciences (CAJG), in Hammamet, Tunisia (Nov. 14, 2018).
21. **Oral Presentation Certificate** at the 5th International Palaeontological Congress, Paris, France (Jul. 16, 2018).
22. **Oral Presentation Certificate** at the 38th Pakistan Congress of Zoology (International), 27 Feb.-01 March., 2018 (Mar. 1, 2018).

23. **Oral Presentation Certificate** at the 37th Pakistan Congress of Zoology (International), 28 Feb.-02 March., 2017 (Feb. 28, 2017).
24. **Oral Presentation Certificate** at the Palaeo Down Under 2 Adelaide Australia (Jul. 15, 2016).
25. **Certificate of Participation** in 2 days 3rd National Palaeontology Seminar (Nov. 16, 2016).
26. **Certificate of Excellence** for the establishment of Dr. Abu Bakr Fossil Display & Research Centre, Zoology Department, University of the Punjab, Lahore (Mar. 09, 2015).
27. **Shield and Certificate** in 'Two days 1st National Palaeontology Seminar' GC University Faisalabad (Dec. 04, 2014).
28. **Oral Presentation Certificate** at the 4th International Palaeontological Congress, Mendoza, Argentina (Sep. 28, 2014).
29. **Certificate** for the Curriculum Base training Program, HEC, Islamabad (Mar. 11, 2014; D/807/Est.I).
30. **Oral Presentation Certificate** in 34th Pakistan Congress of Zoology (International), 25-27 Feb. 2014.
31. **Shield and Oral Presentation Certificate** at the 33rd Pakistan Congress of Zoology (International), 02-04 Apr. 2013.
32. **Oral Presentation Certificate** at the 31st Pakistan Congress of Zoology (International), 19-21 Apr. 2011.
33. **Oral Presentation Certificate** at the 30th Pakistan Congress of Zoology (International), 02-04 Mar. 2010.
34. **Shield and Oral Presentation Certificate** at the 29th Pakistan Congress of Zoology (International), 24-26 Feb. 2009.
35. **Shield and Oral Presentation Certificate** at the 28th Pakistan Congress of Zoology (International), 18-20 Mar., 2008.
36. **Oral Presentation Certificate** at the 27th Pakistan Congress of Zoology (International), 26 Feb.-1 Mar., 2007.
37. **Oral Presentation Certificate** at the 26th Pakistan Congress of Zoology (International), 4-6 Apr. 2006.
38. **Merit Certificate** is awarded at the annual prize distribution function held on 1996 at the Govt. F.C. College Lahore (1996).
39. **Merit Certificate** is awarded at the annual prize distribution function held on 22-2-93 at Govt. Islamia College Narowal (1993).

Incentive Awards

1. **Award** of performance based one increment + honorarium-Rs. 395000/- for the year 2024 (dated 21.07.25, No. D/1479/HR).
2. **Award** of performance based one increment for the year 2023 (dated 03.06.24, No. D/322/HR).
3. **Award** of performance based one increment + honorarium-Rs. 395000/- for the year 2022 (dated 25.07.23, No. D/775/HR).
4. **Award** of performance based one increment + honorarium-Rs. 395000/- for the year 2021 (dated 07.07.22, No. D/1119/HR).
5. **Award** of performance based one increment + honorarium-Rs. 195000/- for the year 2020 (dated 13.08.21, No. D/1093/HR).
6. **Award** of performance based one increment + honorarium-Rs. 195000/- for the year 2019 (dated 24.09.20, No. D/1663/HR).
1. **Award** of performance based one increment + honorarium-Rs. 130000/- for the year 2018 (2019).
2. **Publication** awards (2019).
3. **Publication** awards (2018).
4. **Award** of performance based one increment + honorarium-Rs. 130000/- for the year 2017 (dated 11.09.18, No. D/3208/Est-I).
5. **Award** of performance based one increment + honorarium-Rs. 130000/- for the year 2016 (dated 30.08.17, D/3894/Est-I).

6. **Award** of performance based one increment + honorarium-Rs. 130000/- for the year 2015 (dated 13.07.16, D/2663/Est-I).
7. **Publication** awards (2016).
8. **Award** of performance based one increment + honorarium-Rs. 130000/- for the year 2014.
9. **Research** productivity award from Pakistan Council of Science & Technology for the year 2014-2015.
10. **PhD** Co-supervisor honorarium Rs. 30,000, University of the Punjab, Lahore (2015).
11. **Award** of performance based one increment + honorarium-Rs. 100000/- for the year 2013.
12. **Award** of performance based one increment + honorarium-Rs. 100000/- for the year 2012.
13. **Research** productivity award (Rs. 50,000) of G-category from Pakistan Council of Science & Technology for the year 2012.
14. **Award** of performance based four advanced increments, University of the Punjab, Lahore (2012).
15. **Research** productivity award (Rs. 50,000) from GC University Faisalabad (2011).
16. PhD Co-supervisor honorarium Rs. 30,000, University of the Punjab, Lahore (2009)
17. **PhD** completion award (Rs. 50,000) University of the Punjab, Lahore (2007).

Examiner

1. University of the Punjab, affiliated colleges, (BS 4 years program: Palaeontology).
2. Bahauddin Zakariya University (BZU) Multan, Punjab, Pakistan.
3. Government College University, Faisalabad, Punjab, Pakistan.
4. Baluchistan University, Quetta, Baluchistan, Pakistan.
5. Government College University, Lahore, Punjab, Pakistan.
6. Minhaj University Lahore, Pakistan.
7. University of Okara, Pakistan.

Reviewer

1. Johns Hopkins University Press, *At the Foot of the Himalayas*, book (2023).
1. Paläontologische Zeitschrift, PalZ (2021)
2. Academia Letters (2021)
3. 3rd Conference of the Arabian Journal of Geosciences (2021)
4. Springer Nature (2020)
5. Journal of Bioresource Management
6. HEC Research Projects (2020)
7. Historical Biology (2019).
8. Environmental Earth Sciences (2019).
9. Bollettino della Società Paleontologica Italiana (02-05-16).
10. Member of review committee on subjects of Humanities and Technical of Punjab Curriculum and Text Book Board (27-08-15; No. 2634/D(H).
11. Zitteliana, Bayerische Staatssammlung für Paläontologie und Geologie, Germany.
12. Environmental Earth Sciences.
13. HEC's funding project on the discipline vertebrate paleontology.
14. Journal of Himalayan Earth Sciences, University of Peshawar.
15. The Journal of Animal and Plant Sciences, University of Veterinary and Animal Sciences, Lahore.
16. Editorial member of Punjab University Journal of Zoology, University of Punjab.
17. Pakistan Journal of Agricultural Sciences, University of Agriculture, Faisalabad.

Training/Workshops

1. **Workshop:** Latest Developments in Scientific Publishing Landscape & Publishing ethics. Higher Education Commission of Pakistan (12 Dec. 2024).

2. **Workshop:** Navigating the pathways of publishing in High-quality journals by using Scopus. Higher Education Commission of Pakistan (15 Nov. 2022).
3. **Workshop:** Enabling a perfect research ecosystem with Science Direct. Higher Education Commission of Pakistan (28 Nov. 2022).
4. **Training:** From Research to Publication: An Overview on IEEE Publication Process (14 Aug. 2022; online).
5. **Training:** Research Management with IEEE Xplore: Tips & Practices (11 May 2022; online).
6. **Training:** Get the necessary knowledge to maximize your chance for your paper to get accepted in academic journals – Part2. Higher Education Commission of Pakistan (23 Mar. 2021).
7. **Training:** Boost your knowledge with ProQuest Business Premium Collection Database. Higher Education Commission of Pakistan (16 Feb. 2021).
8. **Workshop:** HEC Pakistan Author Workshop: Dissecting the scholarly publishing process. An overview and guidance on publishing. Webinar of John Wiley & Sons, Publishing company (2 Feb. 2021).
9. **Workshop:** Filling the Expectation Gap: Paleontologists as Teaching Professors". Division of Science and Mathematics Delta College, Michigan, USA (12 Oct., 2020).
10. **Training** for measuring stratigraphic sections, the documentation of fossil localities, the use of paleomagnetic stratigraphy for dating localities, and the curation of fossil remains at Department of Human Evolutionary Biology, Harvard University, Boston, United States of America (15-18 May, 2018).
11. **Training:** Indigenous on-Campus Training Program for Management Team, University of the Punjab in collaboration with Higher Education Commission (Dec. 22-26, 2014).
12. **Training** of electronic database "Institute of Electrical and Electronics Engineer", internet Lab of Punjab University Library, Lahore (Jan. 23, 2014).
13. **Short Training Course** 'PC-1 Preparation' at Management and Professional Development Department, Government of the Punjab, Lahore from 16-07-12 to 20-07-12.
14. **Workshop** on Sharing Biodiversity Data on Internet organized by Pakistan Museum of Natural History and Global Biodiversity Information Facility (GBIF) in 21st July 2008.
15. **Training:** Five days in – service teachers training course in Museum Curation and Management on 9th to 13th January 2007 organized by Higher Education Commission, Islamabad, held in department of Zoology, GC University, Lahore.
16. **Workshop:** Five days Consultancy Workshop on Development of Safari Parks in Punjab to be organized by Punjab Wildlife & Parks Department held at officer mess GOR1, Lahore from 5th-10th March 2007.

Attended Seminars/Symposiums

1. **Seminar** – RELX SDG Inspiration Day 2022: Peace, Justice and Strong Institutions – The role for business in advancing SDG 16 (9 May 2022).
2. **Seminar** – History of the Dartmouth/Peshawar Project and the importance of the stratigraphic record in the Siwaliks by Gary D Johnson; Seminar Series on Siwalik Stratigraphy (17 Feb. 2021).
3. **Seminar** – The Yale/Harvard/Geological Survey of Pakistan collaboration and the importance of paleontology in the Siwaliks by John C Barry; Seminar Series on Siwalik Stratigraphy (24 Feb. 2021).
4. **Seminar** - The India Asia collision and its impact on the development of the northwestern Himalayan Mountain front by Abdul Qayyum; Seminar Series on Siwalik Stratigraphy (03 Mar. 2021).
5. **Seminar** - Fluvial Architecture, Landscapes, and Fossil Preservation in the Miocene Siwalik Sequence of Northern Pakistan by Anna 'Kay' Behrensmeyer, Ph.D., Research Curator in Paleobiology, Smithsonian Institution, Washington DC, USA; Seminar Series on Siwalik Stratigraphy (28 Apr. 2021).

6. **Symposium** - Macroecology & Macroevolution Networking Session, Society of Vertebrate Paleontology, USA (15 Oct., 2020).
7. **Seminar** on “Perissodactyls from the Siwaliks of Pakistan”, Department of Wild Life and Fisheries, University of Agriculture, Faisalabad, Punjab, Pakistan (2019).
8. **Seminar** on “The mammalian fauna from the Pabbi Hills of Pakistan”, Zoology Department, University of the Punjab, Lahore, Pakistan (Sep. 2018).
9. **Seminar** on “The Siwalik Middle Miocene mammals from the Chinji Formation of Pakistan”, Zoology Department, University of the Punjab, Lahore, Pakistan (Sep. 2017).
10. **Seminar** on “The Siwalik Proboscideans”, Zoology Department, University of the Punjab, Lahore, Pakistan (Apr. 2016).
11. **Seminar** on “The Siwalik Artiodactyls”, Zoology Department, University of the Punjab, Lahore, Pakistan (Aug. 2015).
12. **Seminar:** The first international seminar on “French Contribution to Pakistan Studies” organized by the Embassy of France in Islamabad, Pakistan (3 Feb., 2014).
13. **Seminar** ‘Two days 1st National Palaeontology Seminar’ GC University Faisalabad (4-5 Dec., 2014).
14. **Seminar** on “Democracy and Governance in Pakistan: Challenges and Opportunities” Al-Raazi Hall, Undergraduate Block, University of the Punjab, Lahore (20 Aug., 2014).
15. **Seminar** on Seerat –ul-Nabi by Tariq Jamil in Faisal Auditorium University of the Punjab, Lahore (21 Mar. 2013).
16. **Seminar:** Member for organizing ‘Quaid Day’ Seminar (25 Dec., 2012).
17. **Seminar:** Attend a seminar ‘Balochistan-Problems and Solutions’ in Al-Razi Hall, Centre for Undergraduate Studies, University of the Punjab, Lahore (17 Apr. 2012).

Selected Conferences/Presentations/Participations/Abstracts

1. Khan, M.A. and Ghous, A. 2025. *Merycopotamus nanus* (Anthracotheriidae) from the Kanhatti Chinji Formation, Pakistan at the 5th Palaeontological Virtual Congress, 10-25, March 2025 at the Department of Earth Sciences, GeoBioTec. NOVA School of Science and Technology | FCT NOVA. Spain.
2. Khan, M.A., 2024. Giraffidae from the Middle Miocene of Potwar Plateau, Punjab, Pakistan at the 5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTec 2024) held in Ankara, Turkey, on 26 to 28 June 2024.
3. Khan, M.A., Grossman, A. and Sayyed Abbas, S.G., 2023. New dental remains of *Anisodon salinus* from the Potwar Plateau, Pakistan at the Mediterranean Geosciences Union Annual Meeting (MedGU-23), held in Istanbul, Turkey, on 26 to 30 November 2023.
4. Mahmood, K., Khan, M. A., Akhtar, M., 2023. Barbourafelines from the Middle-Late Miocene of the Siwaliks, Pakistan. 41st Pakistan Congress of Zoology-International) (Mar. 16 to 18, 2023), at Institute of Zoology, University of the Punjab, Lahore, Pakistan.
5. Ghaus, A., Mahmood, K., Khan, M. A., Abbas, S. G., 2023. Giraffids (Giraffidae: Mammalia) from Middle Miocene of Kanhatti, Punjab, Pakistan. 41st Pakistan Congress of Zoology- International) (Mar. 16 to 18, 2023), at Institute of Zoology, University of the Punjab, Lahore, Pakistan.
6. Khan, M. A., Mahmood, K., Naz, S., 2023. New Fossils of Bovids (Bovidae, Mammalia) From Middle Siwaliks, Punjab, Pakistan. 8th International Meeting on the valorization and Preservation of Paleontological Heritage (RIV3P8; November 23 – 25, 2023, Faculty of Sciences, Chouaib Doukkali University, El Jadida – Morocco.
7. Khan, M. A., Babar, M. A., Akhtar, M., 2022. *Equus Sivalensis* from the Pleistocene of Pabbi Hills, Pakistan. The First International Conference on

- Innovative Academic Studies on 10-13 Sep., 2022 (Sep. 11, 2022), at Konya/Turkey.
8. Khan, M. A. and Babar, M. A., 2022. First Report of *Lophochoerus nagrii* (Suidae) from Siwaliks of Pakistan. 1st International Conference on Engineering and Applied Natural Sciences from 10-13 May, 2022, Konya, Turkey.
 9. Khan, M. A., Siddiq, M. K., Abbas, S. G. and Babar, M. A., 2021. Pleistocene proboscideans from the Sardhok Pabbi Hills, Pakistan. 81th Annual Meeting of the Society of Vertebrate Paleontology from 1-5 Nov., 2021 (Nov. 4, 2021), India.
 10. Khan, M. A., Abbas, S. G. Sultana, K. and Babar, M. A., 2021. Some rare occurring proboscidean species from the middle Siwalik subgroup of Pakistan. VIII International Conference on Mammoths and their Relatives from 25-28 Oct., 2021 (Oct. 28, 2021), India.
 11. Khan, M. A., Aftab, K. and Zahid, A., 2021. Bovids from Tatrot Formation (Pliocene) of Pakistan. 7th International Conference on Biological Sciences, Faculty of Biology, Universtas Gadjah Mada, Yogyakarta, Indonesia (14-15 Oct., 2021).
 12. Khan, M. A., 2021. The Siwalik Group in emphasizing the Hasnot (Late Miocene) ruminants, Pakistan. 10th Nepal Geological Congress, in Kathmandu, Nepal (7-8 Mar., 2021).
 13. Aftab, K., Khan, M.A., Afsheen, S., Hussain, M. & Arif, A. 2021. Miocene Giraffids (Giraffidae; Mammalia) from the Lower Siwalik of Pakistan. 7th International Conference on Biological Sciences (ICBS). Universitas Gadjah Mada, Indonesia (October 14 to 15, 2021).
 14. Aftab, K., Khan, M.A., Hussain, M. & Arif, A. 2021. *Tragoportax punjabicus* (Artiodactyla: Bovidae) from the Dhok Pathan Formation of Middle Siwalik, Pakistan. The First Virtual Congress of Zoology (40th Pakistan Congress of Zoology- International) (December 17 to 19, 2021).
 15. Khan, M. A. and Abbas, S. G., 2020. Proboscidean (Mammalia) from the Mio-Pliocene of northern Pakistan. The 80th Virtual Annual Meeting of the Society of Vertebrate Paleontology (11-17 Oct., 2020).
 16. Khan, M. A., Babar, M. A. and Abbas, S. G., 2020. Late Miocene Suidae from Siwaliks, Northern Pakistan: Biostratigraphy. 13th International Geological Conference, in Jeddah, Saudi Arabia (3-6 Mar., 2020).
 17. 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 Oct.), p. 129.
 18. Khan, M. A., Zahid, A., 2019. New bovids fossils from Jhelum Tatrot Formation, Punjab, Pakistan” Pakistan Congress of Zoology (International), 39, Islamia College of Peshawar, Pakistan (Mar. 4-6, 2019).
 19. 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 Nov., 2018), p. 121.
 20. Khan, M. A. et al., 2018. The large mammalian fauna from the new vertebrate site of Pabbi Hills (Pleistocene), Pakistan. International Palaeontological Congress, Paris, France, 5 (9-13 Jul., 2018), p. 335.
 21. Khan, M. A. et al., 2018. New artiodactyl fossils from Dhok Pathan Formation of Pakistan. Pakistan Congress of Zoology (International), 38, University of the Punjab, Lahore (27 Feb.-01 Mar., 2018).
 22. Khan, M. A. et al., 2018. *Merycopotamus dissimilis* (Anthracotheriidae, Mammalia) from Middle Siwaliks of Punjab, Pakistan. Pakistan Congress of Zoology (International), 38, University of the Punjab, Lahore (27 Feb.-1 Mar., 2018).
 23. Khan, M. A. et al., 2018. *Stegolophodon* (Proboscidea, Mammalia) from Siwalik Group, Punjab, Pakistan. Pakistan Congress of Zoology (International), 38, University of the Punjab, Lahore (27 Feb.-1 Mar., 2018).

24. Khan, M. A., 2017. *Deinotherium* (Proboscidea, Mammalia) from Siwaliks, Pakistan. Pakistan Congress of Zoology (International), 37, GCU, Faisalabad (28 Feb.-2 Mar., 2017).
25. Khan, M. A., 2016. Tragulids (Artiodactyla, Ruminantia, Tragulidae) from the Siwaliks of Pakistan. Palaeo Down Under 2 Adelaide, 11-15 July 2016. The Geological Society of Australia.
26. Khan, M. A. and Akhtar, M., 2015. *Hippopotamus* (Mammalia, Hippopotamidae) from the Pinjor Formation of Bhimber, Azad Kashmir, Pakistan. Pakistan Congress of Zoology (International), 35, KU, Karachi (01-04 Mar., 2015).
27. Khan, M. A., Abbas, S. G., Akhtar, M., Khan, A. M., 2014. The Late Miocene bovids (Bovidae, Mammalia) from Dhok Pathan Formation of Siwaliks, Northern Pakistan. International Palaeontological Congress, Mendoza, Argentina, 4 (28-09-14 to 03-10-14), p. 735.
28. Khan, A. M., Cerdano, E., Akhtar, M., Khan, M. A., Siddiq, M., 2014. An account of the Upper Siwalik Rhinocerotids of Pakistan. International Palaeontological Congress, Mendoza, Argentina, 4 (28-09-14 to 03-10-14), p. 549.
29. Dar, F.A. Y., Khan, M. A., Khan, A. M. and Akhtar, M., 2014. Some new remains of Suidae (Artiodactyla, Suiformes) from Dhok Pathan Formation of Siwaliks, northern Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 257.
30. Babar, M. A., Khan, M. A. and Akhtar, M., 2014. Ruminant fossils (Mammalia, Artiodactyla) from Dhok Pathan Formation of Middle Siwaliks, northern Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 257.
31. Abbas, S. G., Khan, M. A. and Akhtar, M., 2014. Proboscideans (Vertebrata, Mammalia) from Dhok Pathan Formation of Siwaliks, northern Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 256.
32. Saeed, Z., Khan, A. M., Khan, M. A. and Akhtar, M., 2014. Some new fossils of *Gazella* (Artiodactyla, Ruminantia, Bovidae) from Dhok Pathan Formation of Siwaliks, northern Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 258.
33. Iqbal, A., Khan, A. M., Akhtar, M., Khan, M. A. Ghaffar, A. and Khursheed, H. F., 2014. *Merycopotamus medioximus* (Anthracotheriidae, Suiformes, Artiodactyla) from Middle Siwaliks of Hasnot, Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 256.
34. Aziz, H., Akhtar, M., Khan, M. A. and Khan, A. M., 2014. New hipparionine fossils (Perissodactyla, Equidae) from Dhok Pathan Formation of Siwaliks, northern Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 255.
35. Batool, A., Khan, M. A., Qureshi, N. A. and Akhtar, M., 2014. New hipparionine fossils (Perissodactyla, Equidae) from Dhok Pathan Formation of Siwaliks, northern Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 255.
36. Khan, A. M., Cerdano, E., Akhtar, M., Khan, M. A. Iqbal, A. and Mubashir, 2014. New fossils of *Gaioitherium* (Rhinocerotidae, Mammalia) from the Middle Miocene of Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 253.
37. Rafah, A., Akhtar, M., Khan, A. M., Khan, M. A. and Ahmad, R. M., 2014. First report of '*Procoelodonta*' (*Pasalarhinus*) *tekkayai* from Miocene of Pakistan. Pakistan Congress of Zoology (International), 34, BZU, Multan (25-27 Feb., 2014), p. 253.
38. Aslam, M., Akbar Khan, M. and Akhtar, M., 2013. Some new Remains of the Proboscideans from the Middle Siwaliks, northern Pakistan. Pakistan Congress of Zoology (International), 33, Pakistan Museum of Natural History and PMAS Arid Agriculture University Rawalpindi (2-4 April, 2013).
39. Mahmood, K., Akbar Khan, M. and Akhtar, M., 2013. Some New Fossils of *Giraffokeryx* (Mammalia: Cetartiodactyla: Giraffidae) from the Chinji Formation

- of Pakistan. Pakistan Congress of Zoology (International), 33, Pakistan Museum of Natural History and PMAS Arid Agriculture University Rawalpindi (2-4 April, 2013).
40. Abbas, S. G., Akbar Khan, M. and Akhtar, M., 2013. *Dorcatherium minus* (Mammalia: Cetartiodactyla: Tragulidae) from Dhok Bun Amir Khatoon Chinji Formation of Pakistan. Pakistan Congress of Zoology (International), 33, Pakistan Museum of Natural History and PMAS Arid Agriculture University Rawalpindi (2-4 April, 2013).
 41. Batoool, A., Akbar Khan, M. and Akhtar, M., 2013. New Fossils of Tragulids (Ruminantia: Tragulidae) from the Dhok Pathan Formation of Hasnot, Pakistan. Pakistan Congress of Zoology (International), 33, Pakistan Museum of Natural History and PMAS Arid Agriculture University Rawalpindi (2-4 April, 2013).
 42. Siddiq, M. K., Akbar Khan, M. and Akhtar, M., 2013. Some New Remains of Bovines from Sardhok Pleistocene of Pakistan. Pakistan Congress of Zoology (International), 33, Pakistan Museum of Natural History and PMAS Arid Agriculture University Rawalpindi (2-4 April, 2013).
 43. Babar, M. A., Akbar Khan, M. and Akhtar, M., 2013. *Gomphotherium* (Proboscidea, Mammalia) from the Middle Miocene Lava of the Lower Siwaliks, Pakistan. Pakistan Congress of Zoology (International), 33, Pakistan Museum of Natural History and PMAS Arid Agriculture University Rawalpindi (2-4 April, 2013).
 44. Nawaz, M. K., Akbar Khan, M. and Akhtar, M., 2013. Ruminant Fossils from Dhok Bun Amir Khatoon of the Lower Siwaliks, Punjab, Pakistan. Pakistan Congress of Zoology (International), 33, Pakistan Museum of Natural History and PMAS Arid Agriculture University Rawalpindi (2-4 April, 2013).
 45. Akbar Khan, M., 20-22 March, 2012. Attended the three days Aquaponics Training Seminar at Zoology Department, PU, Lahore, under the collaboration of Fishgruen (Switzerland).
 46. Akbar Khan, M. Actively participated and organize the students participation in the Pakistan Congress of Zoology (International), 32, GC University Lahore (6-8 Mar., 2012).
 47. Akbar Khan, M., Akhtar, M., Khan, A. M., Ikram, T., 2011. *Dorcatherium* from the Hasnot of the Middle Siwaliks, northern Pakistan. Oral Presentation in the Pakistan Congress of Zoology (International), 31, University of Azad Jammu and Kashmir, Muzaffarabad.
 48. Khan, A. A., Akbar Khan, M. and Akhtar, M., 2010. New Remains of *Gaundatherium vidali* from Upper Chinji Formation of the Siwaliks, Pakistan. Oral Presentation in the Pakistan Congress of Zoology (International), 30, University of Agricultural, Faisalabad, Pakistan.
 49. Akbar Khan, M. and Islam, A. M., 2009. Taxonomic study of Tertiary bovids from the Padri village, Dhok Pathan Formation, district Jhelum, Punjab, Pakistan. Oral Presentation in the Pakistan Congress of Zoology (International), 29, University of Sind, Jamshoro, Pakistan.
 50. Naeem, L. and Akbar Khan, M., 2009. Study of Hipparions from the Nagri Formation of Pakistan. Oral Presentation in the Pakistan Congress of Zoology (International), 29, University of Sind, Jamshoro, Pakistan.
 51. Ali, Z., Akhtar, M., Akbar Khan, M., 2005. Ecological Restoration needed at a heavily degraded ecosystem, a case study from Pakistan. Oral presentation in "17th Conference of the Society for Ecological Restoration International, 4th European Conference on Ecological Restoration. 12-18 September, Zargoza, Spain, Europe.
 52. Akbar Khan, M., and Akhtar, M. 2008. A new Fossil Pocket in the Neogene of Lava. Oral Presentation in the Pakistan Congress of Zoology (International), 28, GC University, Faisalabad, Pakistan.
 53. Akbar Khan, M., Sadaqat, U., Khan, A. M. and Akhtar, M. 2008. *Chilotherium intermedium* from the Dhok Pathan Formation of the Siwaliks. Oral Presentation in the Pakistan Congress of Zoology (International), 28, GC University, Faisalabad, Pakistan.

54. Akbar Khan, M., Khan, A. M., Akhtar, M. and Ali, M. 2008. *Chilotherium intermedium* from the Nagri Formation of the Siwaliks. Oral Presentation in the Pakistan Congress of Zoology (International), 28, GC University, Faisalabad, Pakistan.
55. Akbar Khan, M., Khan, A. M., Akhtar, M., Hayyat, M. U., and Majeed, A. A. 2008. Rhinoceroses from the Dhok Pathan Formation of the Siwaliks. Oral Presentation in the Pakistan Congress of Zoology (International), 28, GC University, Faisalabad, Pakistan.
56. Khan, A. A., Akbar Khan, M., Akhtar, M. and Chayyan A. 2008. *Aceratherium perimense* from the Middle Siwaliks of the Dhok Pathan. Oral Presentation in the Pakistan Congress of Zoology (International), 28, GC University, Faisalabad, Pakistan.
57. Ali, Z., Akbar Khan, M., Akhtar, M., 2005. Climate change Influence on Avian Diversity of Wetlands, A study with Management Options on a Ramsar site from Pakistan. Oral presentation in “Global indigenous meeting on climate change and its effects on indigenous peoples and the role of Traditional Ecological Knowledge (TEK)” 12-18 September, Zargoza, Spain, Europe.
58. Akbar Khan, M., Ali, Z., Akhtar, M., 2005. Extinct elephants from Upper Siwaliks of Pakistan, with a new discovery of Gomphotherium tusk from Tatrot Locality. Oral presentation in the International Congress, The World of Elephants, Hot Springs, South Dakota, 2, USA.
59. Akbar Khan, M., Iliopoulos, G., Ghaffar, A., and Akhtar, M., 2005. Paleobiogeography of Siwaliks and Mediterranean Neogene Ruminants. Oral presentation in Congress R.C.M.N.S., 12, Vienna, Austria.

Palaeontological - Geological Work Experience

1. Mammal taxonomy, anatomy and morphometrics. Previous work on ruminants in general and elephants.
2. Taphonomy. Collection and elaboration of taphonomic data.
3. Experience in the conduction of excavations for the collection of vertebrate material, as well as in the collection of taphonomic data.
4. Experience in the curation of vertebrate fossil specimens, cataloguing and creation of Excel databases.
5. Sedimentology, Stratigraphy.
6. Preparation/consolidation of fossil bone: Experience in the use of excavation tools and drills and several different consolidants.

Fossil Preparation/Field Work/Study Tour

1. Study tours to the Siwalik Hills of Pakistan (2024).
2. Study tours to the Siwalik Hills of Pakistan (2023).
3. Study tours to the Siwalik Hills of Pakistan (2022).
4. Study tours to the Siwalik Hills of Pakistan (2021).
5. Study tours to the Siwalik Hills of Pakistan (2020).
1. Study tours to the Siwalik Hills of Pakistan (2019).
2. Study tours to the Siwalik Hills of Pakistan (2018).
3. Study tours to the Siwalik Hills of Pakistan (2017).
4. Study tours to the Siwalik Hills of Pakistan (2016).
5. Study tours to the Siwalik Hills of Pakistan (2015).
6. Tour to Andes Hills, Mendoza, Argentina (30 Sep. 2014)
7. Study tour to Islamabad, Murree, Khanuspur and Ayubia (15-19 May 2014).
8. Study tour to Multan & Bahawalpur Zoo & Lal Suhanra National Park (1 Mar. 2014).
9. Field tour for the study of geological rocks of Margallah and Muree Hills, Islamabad, northern Pakistan (4-6 Feb. 2014).
10. Field tour for Fossil collection from Jhelum (Dina), Mirpur and Bhimber districts, northern Pakistan (6-8 Dec. 2013).
11. Field tour for Fossil collection from Jhelum, Pakistan (23 Nov. 2013).

12. Field tour for Fossil collection from Jhelum, Pakistan (2 Nov. 2013).
13. Study tour to Islamabad and Khanuspur, Pakistan (1-7 Apr. 2013).
14. Fossil collection from Chinji, Chakwal, Pakistan (13 Dec. 2012).
15. Fossil collection from Kallar Kahar, Chakwal, Pakistan (7 Dec. 2012).
16. Fossil collection from Nagri, Chakwal, Pakistan (12 Nov. 2012).
17. Fossil collection from Dhok Bun Amir Khatoon, Chakwal, Pakistan (5 Oct. 2012).
18. Fossil collection from Sardhok, Gujrat, Pakistan (21 Sep. 2012).
19. Fossil collection from the Chakwal, Jhelum and Attock districts, Pakistan and Mir Pur district, Azad Kashmir (2011).
20. Fossil collection from the Chakwal, Jhelum and Attock, Pakistan (2010).
21. Fossil collection from the Chakwal, Jhelum and Attock, Pakistan (2009).
22. Fossil collection from the Chakwal, Jhelum and Attock, Pakistan (2008).
23. Fossil collection from the Chakwal, Jhelum and Attock, Pakistan (2007).
24. Fossil collection from the Chakwal, Jhelum and Attock, Pakistan (2006).
25. Fossil collection from the Chakwal, Jhelum and Attock, Pakistan (2005).
26. Honorary Research Assistant – Conducted excavations in the locality of Hasnot, Tatrot, Pakistan (2003-4).
27. Participation in the excavations that the vertebrate group of the Zoology Department (University of the Punjab) conducted in the Siwalik localities of Pakistan (1998 – 2004).

RESEARCH WORK

Ph.D. Projects Completed under my SUPERVISION

1. Mariam Zaheer. Taxonomy and dietary evaluation of Middle Siwalik Bovids from Jhelum, Punjab, Pakistan. (Punjab University, session 2018). Degree awarded in 2025.
2. Aalia Tabsum. Middle Siwalik perissodactyls from Pakistan: systematics and paleodietary analysis. (Punjab University, session 2018). Degree awarded in 2025.
3. Zaman Gul. Dental defects in the Mio-Pleistocene and recent Perissodactyls from Pakistan (Punjab University, session 2017). Degree awarded in 2024.
4. Asra Ghous. New Mammalian Fossils from Chinji Formation (Siwalik Group) of Kanhatti, Chakwal, Punjab, Pakistan (Punjab University, session 2015). Degree awarded in 2023.
5. Khalid Mahmood. Carnivora (Mammalia) from the Siwaliks of Pakistan (Punjab University, session 2015). Degree awarded in 2023.
6. Fatima Yousuf Dar. New mammalian remains from Pabbi Hills of Upper Siwalik, Pakistan (Punjab University, session 2014). Degree awarded in 2022.
7. Muhammad Khalil Nawaz. New Remains of Mammals from Chabbar Syedan Chinji Formation of Jhelum, Pakistan (Punjab University, session 2013). Degree awarded in 2021.
8. Muhammad Asim. New remains of Middle Miocene artiodactyls from Chakwal, Punjab, Pakistan (Punjab University, session 2013). Degree awarded in 2021.
9. Muhammad Hanif. Perissodactyla (Mammalia) from the Middle Siwaliks of Potwar Plateau, Pakistan (University of Agriculture, Faisalabad, Session 2015). Degree awarded in 2019.

10. Sayyed Ghyour Abbas. Taxonomic studies on new remains of the Siwalik proboscideans from northern Pakistan (Punjab University, Session 2012). Degree awarded in 2018.
11. Muhammad Adeeb Babar. Taxonomic studies of Late Miocene artiodactyls (Mammalia) from northern Pakistan (Punjab University, Session 2012-17). Degree awarded in 2017.
12. Khalid Siddiq. Taxonomic studies of mammalian remains from the Siwalik Hills of Sardhok, Punjab, Pakistan (Punjab University, Session 2011-14). Degree awarded in 2015.
13. Arifa Batool. Tertiary artiodactyls from the Hasnot of the district Jhelum, northern Pakistan (Govt. College University Faisalabad, Session 2009-14). Degree awarded in 2014.
14. Tasneem Ikram. Dental Morphological Studies of True Ungulates from the Type Locality of Nagri Formation, Punjab, Pakistan (Punjab University, Session 2005). Degree awarded in 2011.
15. Mehboob Iqbal. Taxonomy and Dental Morphological Studies on Artiodactyls from the Dhok Pathan, Type Locality, Punjab, Pakistan (Punjab University, Session 2005). Degree awarded in 2010.

Ph.D. Theses Evaluated as an EXTERNAL EXAMINER

1. Muhammad Usman Ali. Effect of organic acid blend and prebiotic on growth performance, gut histomorphology, tibia bone characteristics, reactive oxygen species, microbial account and expression of HSP70 in heat stressed broilers (University of Veterinary & Animal Sciences, Lahore, session, 2018).

M. Phil/MS Theses Completed under my SUPERVISION

1. Sadaqat Ali, 2008-10 (GCUF, Zoology Department). Taxonomic study of the Tertiary Hipparionine in the Dhok Pathan Formation of the Middle Siwaliks, Punjab, Pakistan.
2. Muhammad Javed Iqbal, 2008-10 (GCUF, Zoology Department). Taxonomic study of the Tertiary Bovids in the Dhok Pathan Formation of the Middle Siwaliks, Punjab, Pakistan.
3. Sammia Farheen, 2009-11 (GCUF, Zoology Department). *Giraffokeryx* (Mammalian, Giraffidae) remains from the Lower Siwaliks of the Dhok Bun Amir Khatoon, northern Pakistan.
4. Sobia Noreen, 2009-11 (GCUF, Zoology Department). *Rhinoceros* fossils from the middle Miocene of Lava of the Lower Siwaliks, northern Pakistan.
5. Muhammad Khalil Nawaz, 2009-11 (GCUF, Zoology Department). Ruminant fossils from the Dhok Bun Amir Khatoon (Lower Siwaliks), Punjab, Pakistan.
6. Sayyed Ghyour Abbas 2009-11 (GCUF, Zoology Department). New bovid remains from the Dhok Pathan Formation (Middle Siwaliks) of the district Chakwal, Punjab, Pakistan.
7. Muhammad Asim, 2011-13 (Punjab University). Tragulids (Ruminantia, Tragulide) from the Middle Siwaliks of Pakistan.
8. Rabia Mumtaz, 2011-2013 (Punjab University). Boselaphines (Bovidae, Boselaphini) from the Late Miocene Padri of northern Pakistan.
9. Fatima Yousuf Dar, 2012-2014 (Punjab University). Some New remains of Suidae (Artiodactyla, suiformes) from the Dhok Pathan Formation of the Siwaliks, Northern Pakistan.
10. Ms. Bushra Khalid Ch., 2013-2015 (University of Azad Jammu & Kashmir). Study on new mammalian remain from the Upper Siwaliks of Bhimber Azad Kashmir (Co-supervisor).

11. Arslan Lodhi, 2013-2015 (Punjab University). New bovid (Bovidae, Mammalia) remains from Dhok Pathan Formation of Chakwal, Punjab, Pakistan.
12. Sabah Kiran, 2013-2016 (Punjab University). New tragulids (Tragulidae) remains from Chinji Formation of Dhok Bun Amir Khatoon Punjab Pakistan.
13. Huma Zahra, 2014-16 (Punjab University). New remains of Perissodactyla from Upper Siwaliks of Punjab, Pakistan.
14. Humaira Amanat, 2014-16 (Punjab University). Bovid fossils from the newly discovered locality of Upper Siwaliks, Punjab, Pakistan.
15. Zunaira Javaid, 2014-16 (Punjab University). New fossils of large mammals from Upper Siwaliks, Punjab, Pakistan.
16. Mariam Zaheer, 2014-16 (Punjab University). Some new fossils of bovids (Bovidae, Mammalia) from the Dhok Pathan Formation of the Siwaliks.
17. Asim Kamran, 2015-17 (Punjab University). New fossils of mammals from Tatrot type locality, Jhelum, Punjab, Pakistan.
18. Asifa Abbas, 2015-17 (Punjab University). Middle Miocene Bovidae from Dhok Bun Amir Khatoon, Chakwal, Punjab, Pakistan.
19. Badr un Nisa Khan, 2015-17 (Punjab University). Some new remains of proboscideans from the Siwaliks of northern Pakistan.
20. Qurat ul Ain, 2015-17 (Punjab University). New fossils of Artiodactyla from Lower Siwalik Subgroup of Chakwal, Punjab, Pakistan.
21. Anum Zahid, 2016-18 (SE) (Punjab University). New bovid remains from Tatrot Formation, Jhelum, Pakistan.
22. Ifrah Munwar, 2016-18 (SM) (Punjab University). New remains of Artiodactyla (Mammalia) from Dhok Pathan Formation of Padhri, Jhelum, Pakistan.
23. Rabia Shahid, 2016-18 (SM) (Punjab University). New remains of Rhinocerotidae from Lower Siwalik Subgroup, Pakistan.
24. Huma Irshad, 2016-18 (SM) (Punjab University). Morphometric and taxonomic studies of new remains of bovids from Nagri Formation of Chakwal, Pakistan.
25. Sumail Ashfaq, 2016-18 (M) (Punjab University). New fossils of perissodactyls (Mammalia) from Nagri type locality of Siwaliks, Punjab, Pakistan.
26. Asma Iqbal, 2016-18 (SE) (Punjab University). New mammalian remains from Dhok Pathan Formation (Middle Siwaliks) of district Jhelum, Pakistan.
27. Abdul Rehman Anees, 2015-18 (IS) (Punjab University). New remains of Bovinae (Bovidae, Mammalia) from Sardhok, Upper Siwaliks of Pakistan.
28. Ayesha Riaz, 2016-18 (E) (Punjab University). Fossil mammals from Tatrot type locality (Tatrot Formation), Upper Siwaliks, Jhelum, Pakistan.
29. Amina Tufail, 2016-18 (E) (Punjab University). New collection of the Late Miocene Siwalik suids from Siwaliks, Pakistan.
30. Maheen Khalid, 2016-18 (E) (Punjab University). New fossil remains of bovids (Bovidae, Mammalia) from Nagri type locality of Punjab, Pakistan.
31. Iftikhar Ahmad, 2016-18 (E) (Punjab University). Mammalian fossils from Litra Formation, D.G. Khan, Punjab, Pakistan.
32. Muhammad Adil, 2017-19 (FS) (Punjab University). *Choerolophodon* (Proboscidean) from the Siwaliks, Punjab, Pakistan.
33. Ammar Ali, 2017-19 (FS) (Punjab University). Late Miocene Mammals from Dera Ghazi Khan, Punjab, Pakistan.
34. Rafia Anjum, 2016-19 (IS) (Punjab University). Taxonomic studies of newly remains from Tatrot Formation of Siwaliks, Pakistan.
35. Samina Iqbal, 2016-19 (IS) (Punjab University). Taxonomic studies of newly recovered bovid remains from Nagri Formation of Siwaliks, Pakistan.
36. Khushboo Javed, 2018-20 (E). New remains of bovids from Dhok Pathan Formation, Pakistan.
37. Syeda Nida Kazmi, 2017-2020 (IS) (Punjab University). New dental remains of tragulids (Artiodactyla) from Nagri Type Locality, Chakwal, Pakistan.
38. Abdul Rehman, 2017-2020 (IS) (Punjab University). New remains of bovids from Nagri Type Locality, Chakwal, Pakistan.

39. Afifa Khan, 2018-20 (FS) (Punjab University). New remains of artiodactyls (Mammalia) from Middle Siwaliks of Pakistan.
40. Zartash M. Yaseen, 2018-20 (FS) (Punjab University). New remains of ruminants from Nagri Formation of Chakwal, Pakistan.
41. Zoobia Ahsan, 2018-21 (IS) (Punjab University). New remains of bovids from Lower Siwaliks of Chakwal, Pakistan.
42. Faiza Abid, 2018-21 (IS) (Punjab University). New mammalian remains from Siwaliks of Chakwal, Pakistan.
43. Ahmad Muhammad Arif, 2019-21 (FS) (Punjab University). Mammalian remains from the Hasnot deposits, Jhelum, Punjab, Pakistan.
44. Kishwar Sultana, 2019-21 (FS) (Punjab University). Proboscidean remains from the Miocene of Middle Siwalik Subgroup, Pakistan.
45. Sania Saeed, 2019-21 (E) (Punjab University). The giraffid remains From Middle Miocene deposits of Dhok Banu Amir Khatoon, Chakwal, Punjab, Pakistan.
46. Muhammad Ghaus, 2019-21 (E) (Punjab University). Hipparionines from the Middle Siwalik deposits of Jhelum, Pakistan.
47. Tuba Maryam, 2020-22 (E) (Punjab University). New mammalian remains from the Lower Siwalik Subgroup of Chakwal, Punjab, Pakistan.
48. Hamza Faseeh, 2020-22 (M) (Punjab University). New remains of Bovidae, Equidae, and Suidae from Tatrot, Punjab, Pakistan.
49. Tayba Akram, 2020-22 (Punjab University). New proboscidean remains from the Upper Siwaliks of Punjab, Pakistan.
50. Anam Aziz, 2020-22 (Punjab University). New mammalian remains from Nagri Formation of Sethi Nagri, Chakwal, Punjab, Pakistan.
51. Hassan Raza, 2020-22 (Punjab University). New remains of Suidae from the Dhok Pathan Formation Hasnot, Punjab, Pakistan.
52. Naveed Ahmed, 2021-23 (Punjab University). New remains of *Choerolophodon* from Middle Siwalik, Punjab, Pakistan.
53. Abdul Manan, 2021-23 (Punjab University). Perissodactyl remains from Middle Siwalik of Pakistan.
54. Muhammad Faraz, 2021-23 (Punjab University). Mammalian remains from Middle Siwalik deposits of Jhelum, Punjab, Pakistan.
55. Rizwan Haider, 2021-23 (Punjab University). Middle Miocene giraffid remains from Dhok Bun Amir Khatoon, Chakwal, Punjab, Pakistan.
56. Muhammad Irfan, 2022-24 (Punjab University). Bovid remains from Dhok Pathan Formation stratotype, district Talagang, Pakistan.
57. Umar Hayat, 2022-24 (Punjab University). Late Miocene artiodactyls from Hasnot, Jhelum, Punjab, Pakistan.
58. Rabia Fatima, 2022-24 (Punjab University). *Giraffa punjabiensis* from the Dhok Pathan Formation of Mohal Pati, Jhelum, Pakistan.
59. Maheen Anjum, 2022-24 (Punjab University). Bovid remains from the Dhok Pathan outcrops, Talagang, Punjab, Pakistan.
60. Jaweria Sehr, 2022-24 (Punjab University). Artiodactyl remains from the Siwalik Late Miocene of Pakistan.
61. Firdous Tabbassum, 2023-25 (Punjab University). Bovid Remains from the Dhok Pathan Formation of Dhok Gaal, Punjab, Pakistan.
62. Eman Fatima, 2023-25 (Punjab University). New Remains of Mollusca from the Koh-e-Suleiman Range, Dera Ghazi Khan, Punjab, Pakistan.
63. Zaman Nadeem, 2023-25 (Punjab University). Carnivoran Remains from the Dhok Pathan Formation (Middle Siwaliks) of Mohal Patti, Jhelum, Punjab, Pakistan.
64. Ahmed Nasir, 2023-25 (Punjab University). Artiodactyls from the Tertiary Deposits of Mohal Pati, Jhelum, Punjab, Pakistan.

M. Phil. Theses Evaluated as an EXTERNAL EXAMINER

65. Ms. Nosheen Malik. Lower dentitions of *Chilotherium intermedium* from the Nagri, type locality, Pakistan (Punjab University, Session 2006).
66. Ms. Maryam Afghani. *Aceratherium perimens* from the Tertiary Hills of the Dhok Pathan Formation, Pakistan (Punjab University, Session 2006).
67. Ms. Afshan Syed Abbas. *Alicornops* sp. from the Kamlial formations of the Siwaliks, Pakistan (Punjab University, Session 2006).
68. Mr. Irfan. Ecology and population of birds of Changa Manga Forest, Pakistan (University of Veterinary and Animal Sciences, Lahore, Session 2008-10).
69. Wasif Nawaz. The study of dental morphology of the Siwalik bovids of Middle Pliocene from Dhok Pathan type locality, district Chakwal, Pakistan (Minhaz University Lahore, Session 2016-18).
70. Muhammad Tahir Raza. Determination of mineral variations in *Apis mellifera* honey from different districts of Punjab, Pakistan (Government College University Faisalabad, Session 2017-19).
71. Zahra. Fossil mammals of Middle Miocene Chinji Formation, Potwar Plateau, Punjab, Pakistan (Minhaz University Lahore, Session Fall 2017-19).
72. Ms. Hira Shabbir (2020). A comparative study of dentition and frontal bony horns of *Selenoportax* and *Pachyportax* (Mammalia, Bovidae) (Minhaz University Lahore, Session Fall 2017-19).
73. Muhammad Shadab (2021). Taxonomic Study of Mammalian Fauna of the Lower Siwaliks of District Jhelum, Punjab, Pakistan (University of Gujrat, Punjab, Pakistan).
74. Muhammad Kashif (2021). Taxonomic studies of new Perissodactyl remains from the Dhok Pathan Formation of Potwar Plateau, Pakistan (University of Education, Lahore, Punjab, Pakistan).
75. Areej Arif (2021). Taxonomic Study of New Ungulate Remains from The Middle Siwaliks, Punjab, Pakistan (University of Gujrat, Punjab, Pakistan).
76. Bakhtawar Bibi (2022). Artiodactyls from the Dhok Pathan Formation (Middle Siwaliks) of Pakistan (University of Sialkot, Punjab, Pakistan).
77. Samra Waris (2022). Mammalian Remains from the Siwalik Group of Pakistan (University of Sialkot, Punjab, Pakistan).
78. Sara Khushnood (2022). Mammalian Fossils from the Lower Siwalik Subgroup of Chabbar Syedan, Jhelum, Punjab, Pakistan (University of Sialkot, Punjab, Pakistan).
79. Muhammad Sajid Hussain (2022). Late Miocene suids (Artiodactyla) from Hasnot region of Siwaliks, Pakistan (University of Okara, Punjab, Pakistan).
80. Mr. Kamran (2022). New remains of small bovids from late Miocene deposits of Hasnot, Jhelum, Punjab, Pakistan (University of Okara, Punjab, Pakistan).
81. Misbah Abdullah (2023). Study of some suid remains from Middle Siwaliks of Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
82. Maham Dilawaiz (2023). Fossil Giraffidae (Artiodactyla) from Hasnot, Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
83. Faisal Mumtaz (2023). Dental remains of mammals from Tatrot, Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
84. Kashif Riaz (2023). New mammalian remains from Middle Siwaliks of Hasnot, Pakistan (University of Okara, Punjab, Pakistan).
85. Qurban Ali (2023). Proboscidean remains from Pinjor Formation around Rohtas, district Jhelum, Punjab, Pakistan (University of Okara, Punjab, Pakistan).
86. Hafiz Aftab Ahmad (2023). Study of some remains of Giraffe (Giraffidae: Artiodactyla) from Jhelum, Punjab, Pakistan (University of Okara, Punjab, Pakistan).
87. Sheraz Khan (2023). Mammalian remains from Miocene deposits of northern Punjab, Pakistan (University of Okara, Punjab, Pakistan).
88. Saira Ashfaq (2023). Dental remains of *Pachyportax* (Bovidae) from late Miocene deposits of Jhelum, Punjab, Pakistan (University of Okara, Punjab, Pakistan).

89. Sana Khalil (2023). Study of *Tragoportax punjabicus* fossils from late Miocene deposits of Jhelum, Punjab, Pakistan (University of Okara, Punjab, Pakistan).
90. Hafiza Zazid (2023). *Gazella lydekkeri* remains from Hasnot, Punjab, Pakistan (University of Okara, Punjab, Pakistan).
91. Hira Shafique (2023). Study of some artiodactyl remains from late Miocene deposits of Hasnot, district Jhelum, northern Punjab, Pakistan (University of Okara, Punjab, Pakistan).
92. Uzma Kanwal (2023). Study of *Selenoportax* (Bovidae) from Hasnot outcrops of Siwaliks, Pakistan.
93. Sania Akram (2023). Study of *Tragoportax salmontanus* fossils from late Miocene deposits of Jhelum, Punjab, Pakistan (University of Okara, Punjab, Pakistan).
94. Saira Siddique (2023). Study of some mammalian remains from Hasnot outcrops of Siwaliks, Pakistan (University of Okara, Punjab, Pakistan).
95. Arjmand Shaheen (2024). Genetic diversity of *Paramphistomum* transmitting snail in district Sialkot (GC Women University Sialkot).
96. Arooba (2024). Genetic diversity of *Schistosoma* transmitting snail in district Sialkot (GC Women University Sialkot).
97. Saja Aleem (2024). Screening and Evaluation of *Bacillus subtilis* for amylase production from soil samples of district Sialkot (GC Women University Sialkot).
98. Sehrish Ansar (2024). Genetic characterization of Vector Ticks from animal hosts in district Sialkot (GC Women University Sialkot).
99. Faiqa Latif (2024). Early Bovini (Bovidae) from Dhok Pathan Formation of Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
100. Arsheia Shaheer (2024). Bovid and carnivore remains from Late Miocene deposits of Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
101. Shahzad Ahmad (2024). Suid remains from Middle Siwaliks (Late Miocene), Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
102. Muqaddas Bibi (2024). Mammalian fauna from Dhok pathan Formation of Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
103. Fatima Yousaf (2024). Bovini (Bovidae) from Dhok Pathan Formation (Late Miocene) deposits of Jhelum, Punjab, Pakistan (University of Okara, Punjab, Pakistan).
104. Muhammad Sabeeh Haider (2024). *Gazella lydekkeri* (Antilopinae: Bovidae) from Middle Siwaliks of Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
105. Muhammad Umar (2024). Carnivore fossils from Markhal, Punjab, Pakistan (University of Okara, Punjab, Pakistan).
106. Saba Kusar (2024). Bovid remains from Late Miocene deposits of Hasnot area, Jhelum, Pakistan (University of Okara, Punjab, Pakistan).
107. Faiza Yasmeen (2025). New remains of late Miocene Boselaphini from Mohal Patti, Punjab, Pakistan (University of Narowal, Punjab, Pakistan).
108. Sana Tanveer (2025). Bovid remains from Dhok Pathan of Bhuluwala, Jhelum, Punjab, Pakistan (University of Narowal, Punjab, Pakistan).
109. Mehreen Iftikhar (2025). New remains of late Miocene Bovini from Mohal Patti, Punjab, Pakistan (University of Narowal, Punjab, Pakistan).
110. Aneeqa Habib (2025). Hipparionine remains from late Miocene deposits of Mohal Patti, Jhelum, Punjab, Pakistan (University of Narowal, Punjab, Pakistan).

M.Sc. Theses Written under my SUPERVISION

1. Madiha Malik, 2006- 08 (GCUF, Zoology Department). Studies of Some Mammalian Fossils from the Chinji Formation of the Lower Siwaliks, Punjab, Pakistan.
2. Sobia Shehzad, 2006-08 (GCUF, Zoology Department). Dental Morphological Studies of girrafids from the Lehri, district Jhelum, Pakistan.
3. Allah Rakha, 2006-08 (GCUF, Zoology Department). Dental Morphology of the Siwalik *Gazella*.

4. Faiza Manzoor, 2007- 09 (GCUF, Zoology Department). Taxonomic Study of Hipparion from the Dhok Pathan Outcrops of the Middle Siwaliks, Pakistan.
5. Hina, 2007-09 (GCUF, Zoology Department). Taxonomic Study of the Tragulids from the Padhri Outcrops of the Middle Siwaliks, Pakistan.
6. Shakila Naseem, 2008-10 (GCUF, Zoology Department). Taxonomic study of some Bovid remains from the Tatrot Formation of the Upper Siwaliks, Pakistan.
7. Ammara Irum, 2008-10 (GCUF, Zoology Department). Taxonomic Study of Giraffid Fossils from the Dhok Pathan Formation of the Middle Siwaliks, Pakistan.
8. Anam Raza, 2008-10 (GCUF, Zoology Department). Taxonomic Study of *Pachyportax* (Bovidae, Mammalia) from the Dhok Pathan Formation of the Middle Siwaliks, Pakistan.
9. Kiran Rubab, 2008-10 (GCUF, Zoology Department). Taxonomic Study of Bovid Fossils from the Hasnot Outcrops of the Middle Siwaliks, Pakistan.
10. Fozia Tabassum, 2008-10 (GCUF, Zoology Department). Taxonomic Study of Some Bovid Fossils from the Pinjor Formation of the Upper Siwaliks, Pakistan.
11. Saima Nazir, 2009-11 (GCUF, Zoology Department). Taxonomic Study of new remains of boselaphines from the Chinji Formation of the Lower Siwaliks, Pakistan.
12. Hafsa Yaqoob, 2009-11 (GCUF, Zoology Department). Taxonomic Study of new remains of bovids from the Chinji Formation of the Lower Siwaliks, Pakistan.
13. Muhammad Mubashar, 2009-11 (GCUF, Zoology Department). New mammalian remains from the Chinji Formation of Lava, district Chakwal, Pakistan.
14. Rabia Ansari, 2012-14 (Punjab University). A taxonomic Study on *Sivillhippus theobaldi* from the Middle Siwaliks of Pakistan, District Chakwal, Punjab, Pakistan.
15. Amina Khalid, 2013-15 (Punjab University). Taxonomy of late Miocene bovids (Bovidae, Mammalia) of Padhri, district Jhelum, Punjab, Pakistan.
16. Fouzia Safdar, 2015-16 (Punjab University). New remains of mammals from Late Miocene Hasnot of Potwar Plateau, Punjab, Pakistan.
17. Attia Arif, 2016-17 (Punjab University). Taxonomic Study of the New Remains of Mammals from the Middle Miocene of Bhilomar, Punjab, Pakistan.
18. Kiswar Sultana, 2016-18 (Punjab University). New fossils of *Gazella* from Middle Miocene of Siwaliks, Pakistan.
19. Maham Arif, 2017-19 (Punjab University). New fossils from Nagri type locality, Chakwal, Pakistan.
20. Salsabil Zafar, 2018-20 (Punjab University). New remains of artiodactyls (Mammalia) from Nagri Formation of Siwaliks, Pakistan.
21. Rabia Fatima, 2019-21 (Punjab University). Proboscidean Remains from Siwaliks Group of Pakistan.
22. Zaman Nadeem, 2020-22 (Punjab University). *Gazella* remains from the Hasnot Late Miocene of Jhelum, Punjab, Pakistan.
23. Amina Yasin, 2021-23 (Punjab University). Bovid remains from late Miocene outcrops of Hasnot, Jhelum, Pakistan.

B.S. Theses Written / Evaluation under my SUPERVISION

24. Ayesha M Islam, 2004-2008 (GCUF, Zoology Department). Taxonomic Study of Tertiary Bovids from the Padhri Village, Dhok Pathan Formation, District Jhelum, Punjab, Pakistan.
25. Lubna Naseem, 2004-2008 (GCUF, Zoology Department). Study of Hipparions from the Nagri Formation of Pakistan.
26. Tuba Noor, 2005-2009 (GCUF, Zoology Department). Taxonomic Study of Gazelle from the Tertiary Rocks of Padhri (Middle Siwaliks), Pakistan.
27. Sitwat Shahbaz, 2007-11 (GCUF, Zoology Department). *Giraffokeryx punjabiensis* from the Chinji Formation of the district Chakwal, northern Pakistan.
28. Omer Draz, 2007-11 (GCUF, Zoology Department). *Giraffa priscilla* from the Chinji Formation of the district Chakwal, northern Pakistan.

29. Nighat Sultana, Roll No. 1205. Some new fossils of mammals from the Chinji Formation of Chakwal, northern Pakistan.
30. Madeeha Jamil, 2009-13 (Punjab University, Zoology Department). Taxonomic study of the new remains of cervids from the Tatrot Formation of Upper Siwaliks of northern Pakistan.
31. Rohma Khan, 2011-15 (Punjab University, Zoology Department). New Mammalian Remains from the Dhok Pathan Formation of the Chakwal District, Punjab, Pakistan.
32. Hafiza Saman Akram, 2012-16 (Punjab University, Zoology Department). New Fossils of *Pachyportax* (Bovidae, Mammalia) from Middle Siwaliks, Punjab, Pakistan.
33. Saba Naz, 2012-2016 (Punjab University, Zoology Department). New fossils of Bovids (Bovidae, Mammalia) from Middle Siwaliks, Punjab, Pakistan.
34. Noureen Hameed, 2013-2017 (Punjab University, Zoology Department). New fossils of ungulates from Dhok Bun Ameer Khatoon, Chakwal, Punjab, Pakistan.
35. Hafiza Rafia Zaman, 2014-18 (Punjab University). Some bovid remains of Padhri, Jhelum, Punjab, Pakistan.
36. Zainab Anwar, 2015-19 (Punjab University, Zoology Department). New suid remains from Hasnot, Jhelum, Punjab, Pakistan.
37. Sehri Shahid (2016-20) (Punjab University, Zoology Department). New fossils of bovids from Dhok Pathan type locality of Middle Siwaliks, Pakistan.
38. Minal Mahmood, 2017-21 (Punjab University). Early late Miocene Mammalian fauna from Nagri Formation, Chakwal, Pakistan.
39. Masooma Ramzan, 2017-21 (Punjab University). Middle Miocene Mammals from Dhok Bun Amir Khatoon and Chabbar Syedan, Potwar Plateau, Pakistan.
40. Mubeen Zafar, 2018-2022 (Punjab University). Mammalian remains from the Pleistocene deposits of Gujrat (Pabbi Hills), Punjab, Pakistan.
41. Areej Ahmad, 2019-23. Mammalian remains from late Miocene / early Pliocene deposits of Hasnot, Punjab, Pakistan.
42. Maryam Faiz, 2018-23. Late Miocene mammalian remains from Padhri, Jhelum, Pakistan.
43. Hafiza Ansa, 2022-24. Late Miocene bovids of Padri, Jhelum, Punjab, Pakistan.
44. Toheed Fatima, 2022-24. Equid (Perissodactyla) remains from the Dhok Pathan Formation of Punjab, Pakistan.
45. Nawal Akram, 2023-25. Artiodactyl Remains from the Sethi Nagri (Middle Siwaliks) of Chakwal, Punjab, Pakistan.
46. Amina Zafarullah, 2021-25. Suid Remains from the Dhok Pathan Formation of Mohal Patti, Jhelum, Punjab, Pakistan.
47. Amna, 2008-09. Studies on Fossil *Hipparion* from Locality of Dhok Pathan, Punjab, Pakistan (Punjab University).
48. Muhammad Atiq, 2009-10. Dental Morphological studies of the Siwalik Tragulids (Nagri) (Punjab University).
49. Ayseha, 2008. Rhinoceroses from the Middle Siwaliks, Pakistan (Punjab University).
50. Nadia Hameed, 2018-22. New mammalian remains from the Chakwal district, Pakistan (Science college, Lahore).
51. Noor Ul Eza, 2018-22. New artiodactyl remains from the Siwaliks of Potwar Plateau, Pakistan (Postgraduate College of Science, Lahore).
52. Ms. Khadija Sarwar, 2007-11. *Rhinoceros sivalensis* from the Upper Siwaliks, Pakistan (Punjab University).
53. Maria Ashraf, 2023-24. Boselaphini remains from Late Miocene of Dhok Bun Ameer Khatoon, district Chakwal (Postgraduate College of Science, Lahore).
54. Sana Noreen, 2023-24. Middle Miocene giraffid remains from Dhok Bun Ameer Khatoon, district Chakwal (Postgraduate College of Science, Lahore).

55. Rida Fatima, 2023-24. Late Miocene perissodactyle remains from Mori Mothan, district Jhelum, Pakistan (Postgraduate College of Science, Lahore).
56. Hina Fatima, 2023-24. Effect of temperature and humidity on spinning behavior of Silkworms. (Postgraduate College of Science, Lahore).
57. Umm e Farwa, 2023-24. Effect of various dietary supplements on growth and molting of Silkworms (Postgraduate College of Science, Lahore).
58. Aroosa Bukhari, 2023-24. A study on quality and quantity of cocoon production under vitamin C and honey supplementation (Postgraduate College of Science, Lahore).

PUBLICATIONS

Articles Having Impact Factor

1. Abbas, S.G., Grohé, C., Grossman, A., Mahmood, K., Babar, M. A., Akbar Khan, M. 2025 New fossil Asian palm civets (Carnivora, Viverridae) from the Siwaliks of Pakistan, *Geobios*, 92: 1-12; doi: <https://doi.org/10.1016/j.geobios.2025.05.002>
2. Zulfiqar, S., Aftab, K., Akbar Khan, M., Babar, M. A., Hussain, M. and Shah, S. Z. H. 2025. *Listriodon pentapotamiae* From the Dhok Bun Ameer Khatoon, Siwaliks, Pakistan *Geological Journal*, 2025; 0:1–11 <https://doi.org/10.1002/gj.70052> (in press)
3. Akbar Khan, M., Mahmood, K., Abbas, S.G., Babar, M. A., Ahmed, Q., Hanif, M. & Asim, M. 2025. *Anisodon salinus* (Perissodactyla, Chalicotheridae) from the Potwar Plateau, Pakistan. *Paleontological Journal*, 59 (7): 7–15.
4. Ahmed, Q. and Akbar Khan, M. 2025. New proboscidean remains from the Chinji Formation (Middle Miocene) of the Siwaliks, Punjab, Pakistan *Bollettino della Società Paleontologica Italiana*, 64(2): 459-468, doi:10.4435/BSPI.2025.26
5. Tabsum, A. and Akbar Khan, M. 2025. Chalicotheres (Perissodactyla) from the Bhandar Bone Bed (Late Miocene) of Jhelum, Punjab, Pakistan. *Historical Biology*; 37(6): 1494-1499; <https://doi.org/10.1080/08912963.2024.2370014>
6. Akbar Khan, M., Aftab, K., Abbas, S.G., Siddiq, M. K., Mahmood, K., Babar M. A. and Akhtar, M. 2025. *Equus* Remains from the Pleistocene Deposits of Sardhok Pabbi Hills of Pakistan. *Geobios*, 88-89: 153-162.
7. Mahmood K., Morlo M., Abbas S. G., Babar M. A. and Akbar Khan M. 2025. The Lutrinae (Mustelidae, Carnivora, Mammalia) from Late Miocene to Early Pleistocene deposits of Pakistan. *Geodiversitas* 47 (5): 301-311. <https://doi.org/10.5252/geodiversitas2025v47a5>
8. Sankhyan, A. R., Abbas, S. G., Jasinski, Akbar Khan, M., Mahmood, K. 2025. Rare carnivorous mammals from a diverse fossil assemblage from the Middle Siwaliks of Haritalyangar area, Himachal Pradesh, North India. *Journal of Mammalian Evolution*, 32:14 (1-31); <https://doi.org/10.1007/s10914-025-09749-4>
9. Asim, M., Akbar Khan, M., Abbas, S.G., Nawaz, M. K., Babar, M. A., Ahmed, Q., Mahmood, K. & Akhtar, M. 2025. Mesowear analysis and paleodiets of Middle Miocene artiodactyls from Chakwal, Punjab, Pakistan. *Taiwania*, 70(2): 285-292. DOI: 10.6165/tai.2025.70.
10. Asim, M., Aftab, K., Akbar Khan, M., Abbas, S.G., Babar, M. A., Hussain, M. & Saeed, S. 2024. Middle Miocene “*Giraffa*” from the Chinji Formation of Siwaliks, Pakistan. *Palaeoworld*, 33: 459-468; <https://doi.org/10.1016/j.palwor.2023.03.003>
11. Babar, M.A., Abbas, S.G., Akbar Khan, M. & Akhtar, M. 2024. *Lophochoeerus nagrii* (Suidae) from the Siwaliks (Neogene) of Pakistan. *Annales de Paléontologie*, 110: 1-8. <https://doi.org/10.1016/j.annpal.2024.102666>

12. Ríos, M., Abbas, S. G., Akbar Khan, M., and Solounias, N. 2024. A new giraffid *Bramiscus micros* nov. gen. nov. sp. (Ruminantia, Giraffidae) from the Miocene of northern Pakistan. *Palaeontologia Electronica*, 27(2):a29, 1-21. <https://doi.org/10.26879/1243>
13. Akbar Khan, M., Abbas, S.G., Aftab, K., Babar, M.A., Ali, M., Malik, M.F., Zaman, R., 2024. New fossils of *Tragoportax* and *Gazella* from Padhri, Pakistan, and comments on these genera in the Siwaliks. *Historical Biology*, 36(7): 1180-1187; DOI: 10.1080/08912963.2022.2117041
14. Babar, M.A., Abbas, S.G., Akbar Khan, M., Mahmood, K., Jabber, F., Raza, H. & Akhtar, M. 2024. *Propotamochoerus* (Suidae) from the Siwalik Dhok Pathan Formation of Pakistan. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen*, 311/2: 191-204; DOI: 10.1127/njgpa/2024/1190
15. Mahmood, K., Morlo, M., Akbar Khan, M. & Abbas, S.G., 2024. Late Miocene '*Martes*' *lydekkeri* (Mammalia: Carnivora: Mustelidae) from the Hasnot outcrops Punjab, Pakistan, *Historical Biology*, 36(9): 1767-1776; DOI: 10.1080/08912963.2023.2230590
16. Zaheer, M. and Akbar Khan, M., 2024. The Late Miocene Bovids of Mohal Pati, Jhelum, Punjab, Pakistan. *The Journal of Animal and Plant Sciences*, 34(4): 962-976. [ps://doi.org/10.36899/JAPS.2024.4.0780](https://doi.org/10.36899/JAPS.2024.4.0780)
17. Nawaz, M.K., Akbar Khan, M., Abbas, S.G., Babar, M.A., Mahmood, Gul, Z. & Abbas, A., 2024. Proboscideans from the middle Miocene deposits of Chabbar Syedan in Pakistan. *Alcheringa: An Australasian Journal of Palaeontology*; 48(3): 522-542; <https://doi.org/10.1080/03115518.2024.2350622>
18. Nawaz, M.K., Abbas, S.G., Akbar Khan, M., Babar, M.A., Aftab, K., Ali, M. & Akhtar, M., 2023. Faunal correlation of Middle Miocene locality of Chabbar Syedan with some other localities of Chinji Formation of Siwalik Group. *Paleontological Journal*, 57 (7): 848–856.
19. Mahmood, K., Akbar Khan, M., Abbas, S.G., Babar, M.A. & Asim, M., 2023. Barbouriines from the Middle-Late Miocene of the Siwaliks, Pakistan *Pakistan Journal of Zoology*, 55(6): 2753-2759. <https://dx.doi.org/10.17582/journal.pjz/20221013201049>
20. Sankhyan, A.R., Abbas, S.G., Akbar Khan, M., Babar, M.A., Yasin, A., 2023. Diversity of Hipparionines in the Late Miocene-Pliocene Siwalik Deposits at Haritalyangar, India. *Annales de Paléontologie*, 109(2): 1-13; DOI: <https://doi.org/10.1016/j.annpal.2023.102602>
21. Aftab, K., Shadab, M., Akbar Khan, M., Hussain, M., Babar, M.A., Abbas, S.G., Malik, M.F., Iqbal, R., Arif, A. 2023. New fossils of *Miotragocerus gluten* from the Lower Siwaliks, Pakistan. *Kuwait J. Sci.*, 50 (1A): 1-12.
22. Hanif, M., Rana, N., Akbar Khan, M., Asim, M., Babar, M.A., Abbas, S.G., Gul, Z., Ahmad, Q. & Mehmood, K., 2023. Rhinocerotid Remains from Middle Siwalik Subgroup of Northern Pakistan. *Taiwania* 68(2): 205-216; DOI: 10.6165/tai.2023.68.205
23. Steven E. Jasinski, Abbas, S.G., Mahmood, K., Babar, M.A. & Akbar Khan, M., 2023. New Carnivoran (Mammalia: Carnivora) specimens from the Siwaliks of Pakistan and India and their faunal and evolutionary implications. *Historical Biology*, 35(11): 2217-2252, DOI: 10.1080/08912963.2022.2138376
24. Ríos, M., Abbas, S.G., Akbar Khan, M., Solounias, N., 2022. Distinction of *Sivatherium* from *Libytherium* and a new species of *Libytherium* (Giraffidae, Ruminantia, Mammalia) from the Siwaliks of Pakistan (Miocene). *Geobios*, 74: 67-76. <https://doi.org/10.1016/j.geobios.2022.06.002>

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