

DETAILS OF RESEARCH PROJECTS

S. No.	Project Title	Project Cost	Principal Investigator	Commencement Date	Completion Date	Funding Agency	Remarks
1	Baseline Studies on Wildlife Diversity in Selected Protected Areas of Pakistan	1,364,454/-	Dr. Maqsood Anwar	08-04-2009	2012	HEC	Completed
2	“Ecology of Indian pangolin <i>Manis crassicaudata</i> in Potohar Region”	2,158,422/-	Dr. Tariq Mahmood	01-11-2010	10-3-2014	HEC	Completed
3	Prevalence of Salmonellosis in rat at Poultry Farms in Rawalpindi/Islamabad	98,000/-	Mrs. Bushara Allah Rakha	06-11-2007	05-11-2008	PMAS-AAUR	Completed
4	A Pilot Study on the Status of Wildlife Diversity at Kallar Kahar Lake	97,000/-	Dr. Muhammad Rais	03-04-2008	02-04-2009	PMAS-AAUR	Completed
5	Population & Food Habits of small Indian Mongoose in agro-ecosystem of Pothwar Region	94,068/-	Dr. Tariq Mahmood	03-04-2008	02-07-2009	PMAS-AAUR	Completed
6	Distribution and Population of Indian pangolin (<i>Manis crassicaudata</i>) in Chakwal and Rawalpindi Districts of Potohar Region	132,312/-	Dr. Tariq Mahmood	09-02-2010	08-02-2011	PMAS-AAUR	Completed
7	Comparison of plasma membrane integrity assessment techniques for urial spermatozoa	115,000/-	Mrs. Bushara Allah Rakha	24-12-2009	23-12-2010	PMAS-AAUR	Completed
8	Some Bio-ecological aspects of herpetofauna of the Potohar region”	139668/-	Dr. Muhammad Rais	24-12-2009	23-12-2010	PMAS-AAUR	Completed
9	Evaluation of acrosomal status of Red Jungle Fowl Spermatozoa with bright field, phase contrast and differential interference contrast microscopy	133,000/-	Mrs. Bushara Allah Rakha	01-03-2012	02-02-2013	PMAS-AAUR	Completed
10	Diversity of Amphibians and Reptiles in different Land Management Units of agro-ecosystem of Chakwal District	133,000/-	Dr. Muhammad Rais	11-02-2012	10-02-2013	PMAS-AAUR	Completed
11	Baseline Studies on Wildlife	3,916,555/-	Dr. Maqsood Anwar	10-03-2014	2017	HEC	On-going

	Diversity in Selected Protected Areas of Pakistan Phase-II						
12	Establishment of Aviary Facility for Captivity Breeding of Wild Birds	150,000/-	Mrs. Bushara Allah Rakha	01-01-2014	31-12-2015	PMAS-AAUR	On-going
13	Establishment of Aviary Facility for Captivity Breeding of Fancy Birds	150,000/-	Dr. Muhammad Rais	01-01-2014	31-12-2015	PMAS-AAUR	On-going
14	Captive Breeding and Rearing Wild and Fancy Birds	2,96,000/-	Dr. Tariq Mahmood	04-04-2014	03-04-2015	PMAS-AAUR	On-going
15	Spatial distribution of habitats influences anuran diversity and space use in the landscape: implications for conservation beyond species level.	1,269,952/-	Dr. Muhammad Rais	03-09-2013	02-09-2015	International Foundation for Science, Sweden	On-going
16	Ecology and conservation of soft-shell turtles, north Punjab, Pakistan	95,892/-	Dr. Muhammad Rais	18-12-2013	17-12-2015	IdeaWild, USA	On-going
17	Role of Crop Field Boundary Vegetation in Population Ecology of Passerine Birds in Birds in Pothwar Plateau, Pakistan. Plateau	600,000/-	Prof. Dr. Iftikhar Hussain	November 2013	October 2015	WWF-Pakistan	On-going
18	Ecologically-based rodent Management in Croplands of Pothwar Plateau, Pakistan	7,363,680/-	Prof. Dr. Iftikhar Hussain	December 2014	2017	HEC	On-going
19	Are Anurans impacted by urbanization? Anuran monitoring and conservation in a human dominated landscape	8,198,212	Dr. Muhammad Rais	09-03-2015	08-03-2018	HEC	On-going

Research titles (Approved) Ph.D. Theses (Wildlife Management)

a) Ph.D. (Wildlife Management) Session: 2009-10

S. No.	Name and Reg. No.	Research Title
1	Durr-e-Shawar (05-arid-371)	Development of rodenticide bait for rodent control in poultry farms of Rawalpindi-Islamabad area.
2	Sangam Khalil (05-arid-334)	Habitat preference and breeding biology of Grey Partridge (<i>Francolinus pondicerianus</i>) in Salt Range, Punjab.
3	Nausheen Irshad (07-arid-1192)	Population, distribution and food habits of Indian pangolin (<i>Manis crassicaudata</i>) in Potohar Plateau.
4	Baseer-ud-Din Qureshi (07-arid-1117)	Identification, population and food habits of Marmots in district Neelum, Azad Jammu and Kashmir
5	Syed Hashim Raza (09-arid-395)	Risks to <i>Prinia</i> warblers from pesticides use in cotton based agro-ecosystem of Southern Punjab.

b) Ph.D. (Wildlife Management) Session 2011-12

S. No.	Name and Reg. No.	Research Title
1.	Saima Yousaf (05-arid-342)	Population Ecology of Freshwater turtle species of Potohar Plateau.
2.	Nasra Ashraf (06-arid-593)	Ecology of Grey goral (<i>Nemorhaedus goral</i>) in Machiara National Park, Azad Jammu & Kashmir.
3.	Sara Shabbir (06-arid-608)	Ecology of Western Horned Tragopan (<i>Tragopan melanocephalus</i>) in Machiara National Park, Azad Jammu & Kashmir, Pakistan.
4.	Riaz Hussain (06-arid-679)	Comparative Ecology of two mongoose species (<i>Herpestes javanicus</i> and <i>H. edwardsii</i>) inhabiting Potohar Plateau.
5.	Misbah Sarwar (06-arid-555)	Role of crop-field boundary vegetation in population ecology of passerine birds in Pothwar Plateau, Pakistan.

c) Ph.D. (Wildlife Management) Session 2012-13

S. No.	Name and Regd. No.	Research Title
1.	Khalida Jabeen 04-arid-1211	Implications of Pesticide use on Conservation of Frog Species in Rice Based Agro-Ecosystem of Punjab, Pakistan

d) Ph.D. (Wildlife Management) Session 2013-14

S. No.	Name and Reg. No.	Research Title
1.	Bushra Allah Rakah (03-arid-779)	Semen Characteristics, Preservation and its use in Artificial Insemination of Red Jungle fowl (<i>Gallus gallus murghi</i>)
2	Shaista Andleeb (06-arid-621)	Chromium toxicity in Small Indian Mongoose (<i>Herpestes javanicus</i>) inhabiting Tanneries area of Kasur, Punjab Pakistan.
3	Samia Taher (10-arid-1252)	Ecology of Punjab Urial (<i>Ovis vignei punjabiensis</i>) in Kala Chitta National Park, Punjab Pakistan.
4.	Faraz Akrim (11-arid-3899)	Resource partitioning among sympatric carnivore species at Pir Lasura National Park, Azad Jammu & Kashmir, Pakistan.

Research Titles (Approved) M.Phil. Theses (Wildlife Management)

a) M. Phil. (Wildlife Management) Session 2009-11

S. No.	Name and Reg. No.	Research Title
1	Madiha Sharif (06-arid-562)	Habitat selection by common moorhen (<i>gallinula chloropus</i>) at Kallar Kahar Lake, Chakwal
2	Muhammad Irfan Qadir Qadosi (09-arid-391)	Effect of water pollution on breeding potential of Ranid frogs inhabiting Korang River, Rawalpind-Islamabad.
3	Bushra Allah Rakha (03-arid-779)	Evaluation of semen extenders for liquid storage of spermatozoa of Punjab Urial (<i>Ovis vignei punjabiensis</i>).
4	Sadia Bilal (07-arid-1107)	Habitat slection by Little Grebe (<i>Tachybaptus ruficollis</i>) at Kallar Kahar Lake, Chakwal
5	Abid Mehmood (07-arid-1105)	Population and habitat of Indian Peafowl (<i>Pavo cristatus</i>) in Deva Vatala National Park, Azad Jammu and Kashmir
6	Syed Muhammad Usman-ul-Hassan (07-arid-1156)	Population and diet of common starling (<i>Sturnus vulgaris</i>) in agro-ecosystem of district Sialkot
7	Muhammad Kabir (09-arid-392)	Food composition of Common Leopard (<i>Panthera pardus</i>) in Machiara National Park, Azad Jammu and Kashmir
8	Naveed Ahmed Qureshi (07-arid-1103)	Food hoarding and burrow characteristics of lesser bandicoot rat (<i>Bandicota bengalensis</i>) inhabiting agro-ecosystem of Chakwal
9	Hussain Ali (09-arid-393)	Population and habitat of Himalayan Ibex (<i>Capra ibex</i>) in Nagar Valley, district Gilgit
10	Khalida Jabeen (04-arid-1211)	Habitat characteristics and diet composition of Indian pangolin (<i>Manis crassicaudata</i>) in district Attock.
11	Sakhawat Ali (07-arid-1106)	Breeding habits of Red Jungle Fowl (<i>Gallus gallus</i>) in Deva Vatala National Park, Azad Jammu and Kashmir
12	Malik Muhammad Munir (09-arid-394)	Food habits of Punjab Urial (<i>Ovis vignei punjabiensis</i>) in Chumbi Surla Wildlife Sanctuary, Chakwal
13	Misbah Iftikhar (03-arid-801)	Hair characteristics of rodent pest species of Potohar Plateau.
14	Sheeba Iram (07-arid-1108)	Evaluation of some frightening techniques to reduce birds' problem at fish farms of district Gujranwala
15	Fouzia Niazi (04-arid-1185)	Diet composition of Asiatic jackal (<i>Canis aureus</i>) in Islamabad area.

b) M. Phil. (Wildlife Management) Session 2010-12

S. No.	Name and Reg. No.	Research Title
1	Shaista Andleeb (06-arid-621)	Habitat, distribution and population of Scaly Anteater (<i>Manis crassicaudata</i>) in the Margalla Hills National Park, Islamabad.
2	Shahid Mahmood (07-arid-1148)	Current population and habitat status of Grey Goral (<i>Naemorhedus goral</i>) in the Margalla Hills National Park, Islamabad.
3	Jibran Haider (10-arid-1250)	Habitat and population of Marcopolo Sheep (<i>Ovis ammon polii</i>) in Khunjerab National Park, Gilgit Baltistan.
4	Samia Taher (10-arid-1252)	Diet composition of Grey Goral (<i>Naemorhedus goral</i>) in the Margalla Hills National Park, Islamabad.

c) M. Phil. (Wildlife Management) Session 2011-13

S. No.	Name and Reg. No.	Research Title
1	Farwa Rubab Minhas (07-arid-1176)	Habitat use and population of hedgehog species in Talagang area, district Chakwal.
2	Bilal Kabeer (08-arid-814)	Feeding preference of Hog deer (<i>Axis porcinus</i>) under captivity.
3	Sajid Abbasi (08-arsid-817)	Habitat use and population of Kalij pheasant (<i>Lophura leucomelanos</i>) in Sangher Battara forest, district Bagh, AJ&K
4	Hira Fatima (08-arid-1774)	Reproductive physiology of female small Indian mongoose (<i>Herpestes javanicus</i>) inhabiting Pothwar Plateau.
5	Saida Amna Nazir (08-arid-1783)	Seasonal variations in male gonads of small Indian mongoose (<i>Herpestes javanicus</i>) in Pothwar Plateau.
6	Muhammad Farooq (09-arid-378)	Distribution and habitat use of Kalij pheasant (<i>Lophura leucomelanos</i>) in Margalla Hills National Park, Islamabad.
7	Zeenat (09-arid-380)	Population density and habitat preference of hedgehog species in district Attock.
8	Sara Balouch (09-arid-386)	Diet composition of Asiatic black bear (<i>Ursus thibetanus</i>) inhabiting Naran-Kaghan valleys of Khyber Pakhtunkhwa province.
9	Ayesha Akram (09-arid-1502)	Microhabitat partitioning of anuran species in Rawalpindi-Islamabad area.
10	Samah Bashir Kayani (11-arid-3897)	DNA based taxonomy of fresh water turtle species found in Rawalpindi-Islamabad area.
11	Umer Hafeez Goursi (11-arid-3898)	Habitat characteristics and distribution of Asiatic black bear (<i>Ursus thibetanus</i>) in Machiara National Park, AJ&K.
12	Faraz Akrim (11-arid-3899)	Breeding ecology of small Indian mongoose (<i>Herpestes javanicus</i>) in district Chakwal.

d) M. Phil. (Wildlife Management) Session 2012-14

S. No.	Name and Regd. No.	Research Titles
1	Muhammad Awais Rasool (07-arid-89)	Prevalence and Habitats of Carnivore Species in Riverine Forest of Dera Gazi Khan Sub-Division
2	Syed Wasif Ahmed Shah (07-arid-161)	Burrow Characteristics and Family Composition of Mongoose Species in Pothwar Area
3	Rukhsana Bibi (08-arid-1754)	Effect of Nitrogenous Fertilizers on Tadpole Survival of Common skittering Frog (<i>Euphlyctis cyanophlyctis</i>)
4	Muhammad Saeed (09-arid-379)	Population and Habitats of White-Breasted Waterhen (<i>Amaurornis phoenicurus</i>) at Natural Water Bodies of Rawalpindi-Islamabad Area
5	Nadeem Munawar (09-arid-389)	Evaluation of different Baits for Kill Trapping of Lesser Bandicoot Rat (<i>Bandicota bengalensis</i>) in Field Crops of Pothwar Area
6	Nimra Afzal (09-arid-1516)	Diet Analysis of Afghan Urial (<i>Ovis vignei cycloceros</i>) in Torghar Mountains, Balochistan
7	Naureen Mustafa (09-arid-1513)	Diet Analysis of Straight-Horned Markhor (<i>Capra falconeri jerdoni</i>) in Torghar Mountains, Balochistan
8	Badar Khayam 09-arid-387	Relationship Between Avian Diversity and Small Dam Size in Pothwar Area
9	Fakhra Fazal (09-arid-1612)	Food Habits of Owl Species in Margalla Hills National Park, Islamabad
10	Muhammad Arslan Asadi (10-arid-1244)	Spatio-Temporal use of Habitats by Red-Wattled Lapwing (<i>Vanellus indicus</i>) in Pothwar Area
11	Muhammad Jawad Jilani (10-arid-1245)	Morphometric and Gravimetric Parameters of Common Anuran Species in Rice Based Agro-Ecosystem of Gujranwala Area
12	Atta Ul Mohsin Chaudhary (12-arid-714)	Habitat Preference and Damage of Wild Boar (<i>Sus scrofa</i>) to Field Crops in Taxila Area
13	Hannan Nasib Hamid (12-arid-715)	Farmers Perception about Local Populations of Rhesus Monkey (<i>Macaca mulatta</i>) in District Haripur
14	Shafqat Rasool (12-arid-717)	Nesting Habitats of Owl Species in Margalla Hills National Park, Islamabad
15	Siddiq Qasim (12-arid-718)	Habitat Preference and Diet Analysis of Indus Valley Spiny-Tailed Lizard (<i>Sara hardwickii</i>) in Chakwal Area
16	Madiha Arshad (08-arid-1807)	Abundance and Habitat of Grey Partridge (<i>Francolinus pondicerianus</i>) in Dakhnair Forest, District Attock.

e) M. Phil. (Wildlife Management) Session 2013-15

S. No.	Name and Reg. No.	Research Title
1.	Mazhar Hayat Khan (08-aird-76)	Habitat preference and damage to field crops by Wild Boar (<i>Sus scrofa</i>) in Chashma Barrage area, district Mianwali.
2.	Shahzad Aslam (08-arid-825)	Food preference of Rhesus Monkey (<i>Macaca mulatta</i>) in the Margalla Hills National Park, Islamabad.
3.	Nida Amjad (11-arid-2721)	Habitat and breeding of South-east Asian Toad (<i>Duttaphrynus melanostictus</i>) in Rawalpindi-Islamabad area.
4.	Ayesha Adil (13-arid-2523)	Diet composition of small Indian mongoose (<i>Herpestes javanicus</i>) inhabiting agro-ecosystem of district Sialkot.
5.	Ayesha Younas (13-arid-2524)	Comparative analysis of historical and current distribution ranges of Snow Leopard (<i>Panthera uncia</i>) in Asia.

MEMORANDUM OF UNDERSTANDING

Signed By
PMAS-ARID AGRICULTURE UNIVERSITY RAWALPINDI

S. No.	Name of Agency	Administration
1	Sustainable Use Specialist Group-Central Asia (Susg-Casia), Quetta	i. Mr. Tahir Rasheed ii. Chairman WLM
2	Himalayan Wildlife Foundation, Islamabad (HWF)	i. Dr. Anis ur Rehman ii. Chairman WLM
3	Punjab Wildlife & Parks Department, Lahore	i. Dr. Zafar Nasrullah Khan ii. Chairman WLM
4	Directorate of Wildlife & Fisheries, AJ&K	i. Dr. Javaid Ayub ii. Chairman WLM
5	Pakistan Wildlife Foundation, Islamabad	i. Mr. Waseem Ahmad Khan ii. Chairman WLM
6	The Ministry of Environment's Pakistan Wetlands Programme (PWP), WWF-Pakistan Islamabad	i. Mr. Najam Ul Huda Khan ii. Chairman WLM
7	Snow Leopard Trust, USA	i. Dr. Muhammad Ali Nawaz ii. Chairman WLM