

Dr. Zulfiqar Ali

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Department of Zoology, University of the Punjab,
Lahore-54590, Pakistan.



Associate Professor

Specialization: Animal Diversity, Ecology and Wildlife

Research and Extension interests: Wildlife Conservation, Ecological Studies, Wildlife Habitat Restorations, Wetlands Restoration, Mammalians Ecology, Freshwater Biodiversity, Adaptive management of waterbirds and bird's populations; population dynamics modeling; impacts of dams and other water diversions on aquatic ecosystems; lake fertilization; food webs in rivers, lakes and reservoirs; terrestrial-aquatic linkages in watersheds.

PERSONAL STATEMENT

My work and expertise lies in the area of wildlife conservation that includes:

Wildlife surveys,

Habitat assessment,

Wetlands management,

Participatory Rural Appraisal (PRA),

Community mobilization,

And sustainable natural resource planning, backed by the requisite academic qualification. I can say with confidence that am sufficiently aware of contemporary nature conservation and paradigms. I have experience in managing multi-sectoral programme both independently and as a team player. I have lived and worked in multi-sectoral environments.

I am well-versed in ecology, life cycles and population trends of animals, and their habitat requirements. I can develop and implement plans to reduce the negative impacts of human activities on biodiversity.

I can gather information and research data through field work, and can use the data to learn more about the relationship of wildlife to the environment in which they live. I can also use my knowledge of migration and behavior to assist in the evaluation of hunting regulation of endangered species.

I can study living habitats and basic needs of different animal species to determine the kind of food and shelter that are needed. I can also study other characteristics of organisms such as reproductive habits and territorial ranges. Being wildlife biologist I can conduct field studies to determine management alternatives for wild animals.

OBJECTIVES

To play a leading role in nature conservation by increasing awareness among people for sustainable development of natural resources.

EDUCATION

2005 Ph.D., Zoology (Ecology, Wildlife), University of Punjab, Lahore.

Title: Ecology, distribution and conservation of migratory birds at Uchalli Wetlands Complex, Punjab, Pakistan. Course work (CGPA: 3.91)

Advisor: Prof. Dr. Muhammad Akhtar

External Evaluators: Brad A. Andres, Ph.D. U.S. Fish and Wildlife Service, Division of Migratory Bird Management, P.O. Box 25486, DFC-Parfet, Denver, CO 80225-0486 USA AND Prof. Dr. D B A Thompson, Principal Upland Advisor, 2 Anderson Place, Edinburgh EH6 5 NP UK

1990 M.Sc., Zoology (Specialization in Wildlife), University of the Punjab, Lahore, Pakistan. (1st Division)

Title: Study of the habitat and feeding biology of Barking Deer (*Muntiacus muntjak*) in Margalla Hills National Park.

Advisor: Prof. Dr. Tanveer Akhtar **External Evaluator:** Dr Abdul Aleem Chaudhary

Courses Studied: Ecology, Wildlife, Zoogeography, Taxonomy, Evolution, Paleontology, Biometry, Cell Biology, Biochemistry, Genetics, Physiology, Developmental Biology, and Wetlands Management. (1st Division)

1988 B.Sc., Zoology, Botany & Chemistry, Government College Sargodha, University of the Punjab

1986 F. Sc. Medical, Government College Jauharabad, Pakistan. (2nd Division)

1984 Matric Science, M. C. High School, Khushab, Pakistan. (1st Division)

SKILLS

- **Computers** - Widows 2000 (MS Word, MS Excel, Multimedia), SPSS, Internet Email Systems and Basic Stat (Biometry)
- **First Aid**
- **Driver's License**
- **Languages** - **English:** Good in writing, speech and comprehension
Urdu : Fluent in writing, speech and comprehension
Punjabi: Fluent in writing, speech and comprehension
Others are **Hindiko** and **Saraiki**

ACADEMIC AWARDS

2002 Awarded WWF-International Prince Bernhard Scholarship for Nature Conservation.

GRANTS

1990 WWF-Grant to study habitat of Margalla Hills National Park, Islamabad, Pakistan.

1993 WWF-Grant to study Habitat of Otters at Taunsa Barrage.

1994 WWF-Grant to study Habitat and Distribution of Woolly Flying Squirrel in Pakistan.

2004 JNCC Grant to attend Global Flyways Conference in UK.

2004 CIDA Grant to attend 16th SER Conference in Canada.

2005 IPRN Grant to attend 17th SER Conference and IPRN meeting in Spain.

2006 HEC Pakistan Grant to attend SWS Conference in Australia.

COMMITTEE POSITIONS

2003 Secretary, Inter University Course Curriculum Committee IUCCC

2003 Secretary, Board of Studies in Wildlife in UVAS

2003 Secretary, Faculty Board of Studies in UVAS

2003 Member, State Management Committee in UVAS

2004 Organizer of Wildlife Education and Research Seminar in UVAS

2004 Session Chair, Wetlands Restoration at 16th SER Conference, BC, University of Victoria, Canada.

2006 Student presentations Judge at SWS Conference

EMPLOYMENT

- Currently working as **Associate Professor**, in Department of Zoology, University of the Punjab, Lahore, since May 2011 to date.
- As **Director, External Linkages**, in University of Veterinary and Animal Sciences, Lahore from May 2010 to December 2010.
- As **Project Director** in Wildlife Education, Research and Training Project of Higher Education Project Pakistan (HEC) from July 2004 to December 2009.
- As **Assistant Professor** Wildlife and Ecosystems, I am working in University of Veterinary and Animal Sciences Lahore, since June 2003 to April 2011.
<http://www.uvas.edu.pk/faculty/fish/wildlife/wildlife.htm>
- **Consultant** Pakistan Wetlands Project for Biodiversity surveys in WWF-Pakistan.
- I have worked as **Conservation Officer/ Research Scholar/ Wetland Surveyor** in WWF-Pakistan from January 1991 to June 2003.

RESEARCH AND PROJECTS:

- Ethno-Environmental studies, Resilience to climate change study, WWF-Pakistan Project study going on
- DeLPHE Research on Wetlands Conservation and Ecology, Being Lead Coordinator along with Prof. Peter and Azra Meadows from University of Glasgow and Dr. James Butler of CSIRO-Australia,
- Climate Change studies with University of Essex, UK with Prof. Jules Pretty.
- Preserving Biodiversity Project with Prof. Pierre Taberlet France
- HEC-BC Link Programme research on environmental analysis, I worked as Lead Coordinator along with Prof. Ian Colbeck, from University of Essex, UK, produced three high impact factor research papers and one book.
- Ornithological survey of Salt Range Wetlands Complex. Pakistan Wetlands Project Richard Garstang. (Report)
- Baseline survey of Mangla Dam for biodiversity: WWF-Pakistan. Aashiq Ahmad (Report)
- Alexandrine Parakeet and bird cages: UVAS (Report)
- Crows and Kites Problems in Big Cities. UVAS (Report)
- Ecology, distribution and conservation of migratory birds at Uchalli Wetlands Complex, Punjab, Pakistan. **Ph.D., Zoology** (Ecology, Wildlife), University of Punjab, Lahore. **Advisor:** Prof. Dr. Muhammad Akhtar **External Evaluators:** Brad A. Andres, Ph.D. U.S. Fish and Wildlife Service, Division of Migratory Bird Management, P.O. Box 25486, DFC-Parfet, Denver, CO 80225-0486 USA and Prof. Dr. D B A Thompson, Principal Upland Advisor, 2 Anderson Place, Edinburgh EH6 5 NP UK.(Thesis)
- Gyps Vulture restoration in Pakistan. UVAS (Research plan)
- Ecology and biological facts of black buck UVAS, (Report)
- Biodiversity Survey of River Ravi. UVAS. (Report)
- White-headed Duck Survey in Punjab: WWF-Pakistan. (Report)

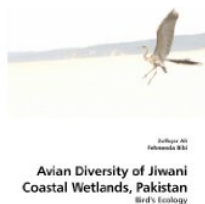
- Pakistan Wetlands Project: WWF-Pakistan. Richard Garstang. (Three Reports)
- Fauna and flora surveys in ICI WWF-Pakistan. Advisor: Masood Arshad (Three Reports)
- Woolly Flying Squirrel Survey in Northern Areas, Pakistan. WWF-Pakistan. Peter Zahler. (Research Report)
- Participatory Rural Appraisal. Micheal Pimbert: WWF-Pakistan (Report)
- Otters Habitat study at Tounsa Barrage WWF-Pakistan. Najam Khurshid (Report)
- Houbara Bustard Survey in Cholistan. Punjab Wildlife Department. (Report)
- Ecological Studies and Research: Punjab Wildlife Department. Dr. Abdul Aleem Chaudhary (Report)
- Study of the habitat and feeding biology of Barking Deer (*Muntiacus muntjak*) in Margalla Hills National Park. **MSc., Zoology** (Ecology, Wildlife), University of Punjab, Lahore. **Advisor:** Prof. Dr. Tanveer Akhtar **External Evaluator:** Dr Abdul Aleem Chaudhary (Thesis)

Research Papers:

Topic of the Papers	Name of the Journal	Date of Publication
Study of the habitat and diurnal activities of Barking Deer (<i>Muntiacus muntjak</i>) in Margalla Hills National Park Islamabad, Pakistan	J. Syst. & Exp. Biol., pp 107-122.	1992
Biological analysis of Makran Coastal Wetlands Complex, Pakistan.	Proceeding of International Congress of Zoology; Vol.23, pp. 99-140, 2003	2003
Taphonomy and Paleoecology of the Hasnot (Middle Siwalik), Potwar Plateau, Northern Pakistan.	Geol. Bull. Punjab Univ. 39, 33-35	2004
The comments on the possible origin of the ruminants in Asia.	Geol. Bull. Punjab Univ. 39, 87-94	2004
Birds surveys at wetlands in Punjab, Pakistan, with special reference to the present status of White-headed Duck <i>Oxyura leucocephala</i> . www.orientalbirdclub.org/publications/forktail/21.html - 12k -	FORKTAIL Vol. 21 pp. 43-50, 2005	2005
Importance of Fisheries and Wildlife Education in Pakistan	Journal of Educational Research Vol. 8 No. 8 pp13-18	2005
Extinct elephants from Upper Siwaliks of Pakistan, with a new discovery of Gomphotherium tusk from Tatrot locality. www.mammothsites.com/WorldofElephants.html - 21k -	Proceedings of 2nd International Congress, The World of Elephants, Hot Springs, South Dakota, USA.	2005
Report on mammalian Fossils of Chinji Formation, Dhulian, Pakistan	American Journal of Applied Sciences 2 (12) 1619-1628, 2005.	2005

Phylogeny and cladogenesis analysis of ruminants.	BIOLOGIA (PAKISTAN) 2006. 52 (1), PP 43-56	2006
Records of <i>Flora</i> and <i>Fauna</i> from ICI Soda Ash Works, Khewra, Principally the Salt Range, Pakistan	BIOLOGIA (PAKISTAN) 2006. 52 (2), PP 163-175	2006
Avian species analysis at three major Wetlands Complexes in Pakistan.	BIOLOGIA (PAKISTAN) 2006. 52 (2), PP 191 - 202	2006
<i>Gyps</i> vulture restoration in Pakistan	BIOLOGIA (PAKISTAN) 2006. 52 (2), PP 203 - 213	2006
Decrease in size of Lakes and number of birds in selected Wetlands in Pakistan. www.jncc.gov.uk/PDF/pub07_watbirds_part3.5.12.pdf	WATERBIRDS (1), pp. 294-295, 2006 (Impact Factor 0.467)	2006 (Impact Factor = 0.818)
Conservation of the White-headed Duck in Central and South Asia. www.jncc.gov.uk/PDF/pub07_watbirds_part5.1.6.pdf	WATERBIRDS (1), pp. 624-628, 2006 (Impact Factor 0.467)	2006 (Impact Factor = 0.818)
Recent records of globally endangered White-headed Duck <i>Oxyura leucocephala</i> in Pakistan	JAPS J. Anim. Pl. Sci. 17 (1-2): 2007, pp. 36-40	2007
Ecology and Diversity of Planktons in Lakes of Uchalli Wetlands Complex, Pakistan	JAPS J. Anim. Pl. Sci. 17 (1-2): 2007, pp. 41-43	2007
Physico-chemical and biological analysis of freshwater lakes in Salt range of Pakistan	Biologia Vol. 53, No. 1 pp. 25-40	2007
Bio-accumulation of Lead in the the bodies of major carps (<i>Catla catla</i> , <i>Labeo rohita</i> and <i>Cirrhina mrigala</i>) during 96-h C 50 exposures	International Journal of Agriculture and Biology, Vol. 9, No. 6 pp 909-912	2007
<i>Dorcatherium minus</i> from the Siwaliks, Pakistan	JAPS, J. Anim. Pl. Sc. 17, No. (3-4), pp 86-89	2008
The state of ambient air quality in Pakistan –a review,	Environ Sc Pollut res Volume 17, Number 1, 49-63	2010 (Impact Factor = 3.890)
Characteristics of indoor/outdoor particulate pollution in urban and rural residential environment of Pakistan	Indoor Air 20:40-51	2010 (Impact Factor = 3.151)
The state of indoor air quality in Pakistan –a review,	Environ Sc Pollut res Volume 17, Number 6, 1187-1196	2010 (Impact Factor = 3.890)
Nitrogen dioxide and household fuel use in the Pakistan	Science of the Total Environment 409 (2010) 357–363	2010 (Impact Factor = 2.490)

PUBLICATIONS:



Avian Diversity of Jiwani Coastal Wetlands, Pakistan: Bird's Ecology
Zulfiqar Ali (Author)

Editorial Reviews

Wetlands are valuable ecosystems that occupy about 6% of the world's land surface. Natural wetlands in Pakistan covering approximately 10%

of the total land area of the country. This book helps in identification, ecology and population of waterbirds along Jiwani Coastal Wetlands that is an internationally well known wetlands and declared as Ramsar Site on 5th October, 2001. Located along Gawater Bay around the delta of the Dasht River, a very significant area of mangrove forests extending westward to the Iranian frontier, contiguous with Iran's Gawater Bay and Hur-e-Bahu Ramsar site. Number of birds species recorded were 112; representing 16 orders and 38 families with a total count of 15,469 that comprise, 79 species as migratory and 33 were resident. Out of 79 visitor species, 54 species were winter visitor, 11 summer visitor, 10 were irregular year round visitor, and three species were vagrant.

About the Author

Dr. Zulfiqar Ali and Fehmeeda Bibi are members of DelPHE team in Wildlife and Ecology, University of Veterinary and Animal Sciences, Lahore, Pakistan. They are working for the establishment of a conservation economy, which would achieve both sustainable livelihoods for the local people and the protection of the wildlife protected areas.

Product Details

Paperback: 172 pages
Publisher: VDM Verlag (October 14, 2009)
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MIGRATORY BIRDS CONSERVATION: ECOLOGY, DISTRIBUTION AND CONSERVATION OF MIGRATORY BIRDS AT UCHALLI WETLANDS COMPLEX, PUNJAB, PAKISTAN
 Zulfiqar Ali (Author)
 Price: \$105.00

Editorial Reviews

Wetland ecosystems are interconnected and interactive within a watershed. In Uchalli Wetlands Complex the environmental pressure of drought and growing demand of agriculture has taken its toll of wetlands. The study revealed about 73% decline in the water surface area and 90 % in birds population and loss in the interconnectivity among wetlands disrupting the drainage network and the hydrological regime leading to irreversible changes in wetland quality. Various measures including the creation of wetlands restoration team is suggested to help restore the degraded lakes, and conserve them from the brink of death. In order to restore, conserve and manage the fast perishing wetland ecosystem, the need of the hour is to implement viable plans, policies and management strategies.

About the Author

The author is a wildlife biologist and has a leading role in nature conservation in Pakistan. Besides, he investigated some most important issues of wildlife in Pakistan: the start of M. Phil and PhD programme in Wildlife and Ecology in University of Veterinary and Animal Sciences in Pakistan is his significant success and contribution.

Product Details

Paperback: 304 pages
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Product Dimensions: 8.6 x 5.9 x 0.9 inches



BASICS OF AIR POLLUTION MONITORING

Editors: Zulfiqar Ali, Ian Colbeck, Zaheer Ahmad Nasir

Authors: Charlotte Ruth Bryant, Claire Bird, Ian Colbeck, Guy Coulson, Zaheer Ahmad Nasir, Zulfiqar Ali

ISBN: 9789699345012

Pages: xvii- 194

Price: Rs. 2,000

Book Review

Air pollution comes from many sources. Cars, trucks, buses, factories, power plants and even fires can create pollution that will harm our environment. Determining the amount of air pollution through monitoring is essential to effective control of air pollution.

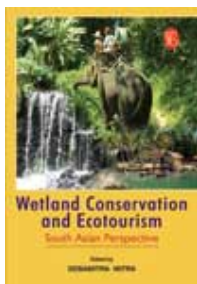
After all, most of the methods mentioned in the book are novel and have been well established for years, if not for several decades. Nevertheless, this book is not just a collection of analytical recipes but also aims to give students an understanding of the role of analytical methods in the broader picture of environmental pollution control. As our understanding of the impacts of pollution is constantly improving there have been changes in some of the regulations relating to many of the "classical" pollutants discussed in this book. This is especially true of environmental standards, which are continually changing in the light of new knowledge. Furthermore, newer techniques have been developed for monitoring these pollutants in the environment. It is therefore necessary to keep students updated with the current status of environmental analytical methodology and the associated regulations of these pollutants as well as to keep them informed about present day and future concerns in environmental pollution.

About the Editors

Dr. Zulfiqar Ali is the Lead Coordinator of HEC-BC Link programme in University of Veterinary and Animal Sciences, Lahore, Pakistan.

Zaheer Ahmad Nasir is a PhD researcher in Bio Aerosol Laboratory of University of Essex, UK.

Professor Ian Colbeck is Director of Centre of Environment and Society, University of Essex, UK.



Wetland Conservation and Ecotourism: South Asian Perspective

Debamitra Mitra, and authors

ISBN: 81-314-1170-7 Pages: 244

Price US\$ 16.5

Contents of the Book

1. Wetland Conservation and Ecotourism in South Asia
2. Wetland Conservation and Ecotourism: Concepts, Trends and Perspectives
3. Assessing Ecotourism
4. Strengthening Wetland Education for Wetland Conservation
5. Ecotourism for Non-Consumptive Use of Indian Wetlands: Adding Value for Conservation
6. Conservation of Wetland in West Bengal Sundarbans
7. Wetlands and Birds of Uchalli Wetlands Complex in Punjab, Pakistan, with a Note on their Conservation
8. Policies in Ecotourism and Wetland Conservation in Sri Lanka
9. Conservation of Coastal Wetland in Perspective of Industrial Shrimp Farming
10. Review of the Himalayan Wetlands Conservation Initiative
11. Present Status and Future Prospects of Ecotourism in Himalayan Wetlands of Nepal
12. Ecotourism, Conservation and Development of Phobjikha Valley, Western Bhutan
13. Is the Paradise Protected? Maldives: A Case Study
14. APPENDIX
15. Index

Overview

Wetlands are an integral part of nature as it harbours huge biological diversity. With time, wetlands became a part of human livelihood. Human civilization, particularly the poorer section of the population, depends heavily on these resources. The inevitable result of the rapid increase in population and urbanization leads to overexploitation of natural resources. Wetlands get affected

largely by this overexploitation. Consequently, there comes the felt need of conservation of this natural resource through different policy measures.

Human nature always wants to explore natural beauty, society, culture and religion that directly compel people to move around. The nature of these activities leads to mass tourism. Gradually, with time, mass tourism became antithetical towards protecting the natural biodiversity as it directly began destroying nature and environment. Policies of ecotourism or sustainable tourism and conservation of wetland biodiversity pose to be solutions to the overexploitation of wetland biodiversity to a large extent.

The book raises the issue as to how and why wetland is a buzzword today. Concerned about the severe threat the wetlands are facing due to low level of environmental awareness and irresponsible behaviour, the book says that potential ecotourism is a strategic option not only to ensure biodiversity conservation and environmental protection but is also a unique opportunity for local people for sourcing their livelihoods and accessing the direct economic incentives as well. With socio-economic potential, wetlands of the South Asian region are sources for subsistence and traditional activities like fishing, grazing, farming and others. Approximately with forty wetlands identified as Ramsar sites under the Convention of Wetlands of International Importance (1971) and designated as Sites of Special Scientific Interest in the South Asian region, the book explores the policies of ecotourism, conserving and managing the wetlands by the SAARC countries to ensure the integration of ecological values in the activities of tourism and establish a symbiotic relationship between the wetlands and human community. The book has been divided into two sections. The first section deals with the articles which are conceptual in nature. The second section mainly focuses on the policy perspectives for wetland conservation adopted by the SAARC countries.

The seventh article “**Wetlands and Birds of Uchalli Wetlands Complex in Punjab, Pakistan, with a Note on their Conservation**” by *Zulfiqar Ali* and *Muhammad Akhtar*, is a case study on the wetlands of birds of Uchalli Wetlands Complex in Punjab, Pakistan, that focuses on wetland conservation through wetland management program. Uchalli Wetland Complex, situated in Khusab district, is ecologically important as it hosts 173 bird species belonging to 104 genera and 47 families and sub-families. The bird species confined to the complex are basically less than 100 in number under uncommon category and more than 100 birds under common category. The complex is under severe threat due to encroachment, shrinking of water-spread area of the wetlands and natural factors like siltation, organic matter accumulation and eutrophication. The ideal objectives of wetland management are to maintain and increase ecological integrity, to meet the traditional demand of local population through conservation, to maintain and encourage the population of endangered species in the wetland area, to maintain a viable flyway for threatened migratory birds. The paper also stresses on the involvement of common mass in the wetland management process. The local population will help in increasing water level of lakes, planting of trees to improve the vegetative cover, controlling of livestock grazing and finally stopping the poaching.

Ali, Z., 1997 Birds Watching Guide WWF-Pakistan.

Data in Popular Publications:

- **1993** Management Plan for Uchalli Wetlands Complex
- **1994** Community based planning for wetlands conservation: Lessons from the Uchalli Complex in Pakistan.
- **2001** An overview of the Ungulates of Pakistan.
- **2001** Crane conservation plan in Pakistan.
- **2002** The Status overview and Recommendation for conservation of White-headed Duck (*Oxyura leucocephala*) in Central Asia.
www.issg.org/database/species/reference_files/oxyjam/GAP2005.doc -
- **2003** Savings Asia's Threatened Birds
- **2004** CAMP workshop Report Mammals IUCN Islamabad.
- **2004** Vulture Restoration Plan in Pakistan.
- **2005** CAMP workshop Report Freshwater Biodiversity IUCN Islamabad.

REVIEWED:

Millennium Ecosystem Assessment

www.millenniumassessment.org | Strengthening Capacity to Manage Ecosystems Sustainably for Human Well-Being

MA Synthesis Reports for the Convention on Biological Diversity, Convention to Combat Desertification, Ramsar Wetlands Convention, health sector, business, and general audience.

<http://www.millenniumassessment.org/en/about.people.reviewers.subglobal.aspx>.

Trainings:

Conducted short trainings for UVAS students and community on 25 different subjects and completed 12 training workshops as resource person for British Council and higher Education commission Pakistan in Talented Researcher Exchange Programme.

Trainings Courses and Workshops/Conferences/Seminars Attended:

- **1990** 10th Congress of Zoology, Khanspur, Pakistan
- **1991** 11th Congress of Zoology Khanspur, Pakistan
- **1992** 12th Congress of Zoology, Government College, Lahore, Pakistan.
- **1992** Wetlands Training Course WWF-Pakistan.
- **1993** Raptor Identification Course
- **1993** 13th Pakistan Congress of Zoology, University Grants Commission, Islamabad, Pakistan.
- **1994** Punjab Social Services Board Training Workshop.
- **1994** Participatory Rural Appraisal (PRA) Workshop, Khushab.
- **1994** 14th Congress of Zoology,
- **1997** Report Writing Workshop WWF-Pakistan.
- **1997** Large Mammals Survey Techniques Training Course WWF-Pakistan.
- **1998** Orientation Workshop in Environmental Education.
- **2002** Trophy-hunting procedures workshop Gilgit, WWF-Pakistan.
- **2003** CAMP Workshop for Mammals, IUCN Islamabad, Pakistan
- **2003** Zoo Management Workshop WWF-Pakistan
- **2003** WTO Seminar University of Veterinary and Animal Sciences, Lahore Pakistan.
- **2004** Wildlife Education and Research University of Veterinary and Animal Sciences, Lahore Pakistan. <http://www.worldvet.org/displayarticle1521.html>
- **2004** **Waterbirds around the World, Global Flyways Conference, Edinburgh, UK.**
- **2004** Seminar on Environmental Education at Lahore College for Women University, Lahore, Pakistan.
- **2004** Computer and Digital Library course University of Veterinary and Animal Sciences, Lahore Pakistan.
- **2004** Parasitology National Conference University of Veterinary and Animal Sciences, Lahore Pakistan.
- **2004** Pakistan conference on Biology, Government College University, Lahore.
- **2004** **16th Int'l Conference on Ecological Restoration, Victoria BC Canada.**
- **2004** CAMP Workshop for Freshwater biodiversity, IUCN Islamabad, Pakistan.
- **2005** **17th Int'l Conference on Ecological Restoration, Zaragoza Spain.**
- **2005** **TEK Conference, IPRN Meeting in Spain.**
- **2006** 26th Pakistan Congress of Zoology (International), Punjab University, Lahore, Pakistan.
- **2006** Video Live Conference, British Council Pakistan and Swansea University UK.
- **2006** Logframe and Proposal Writing, British Council Pakistan.
- **2006** **Catchments to Coasts Conference organized by SWS International. held at Cairns, Australia.**

PROFESSIONAL AND RELATED MEMBERSHIP:

- Fellow of Zoological Society of London, UK
- Fellow of Linnaean Society of London, UK
- Member British Ecology Society, UK
- Member of Society of Wetlands Scientist, USA.
- Member of British Natural History Museum, UK.
- Fellow of Zoological Society of Pakistan.

- Fellow of Biological Society of Pakistan.
- Member Ornithological Society of Pakistan.
- Member of Parasitological Society of Pakistan.
- Member of Society for Ecological Restoration International, USA.
- Member of Zoo Outreach Organization, India.
- Member of CBSG.
- Member of WWF-Pakistan.
- Member and Contributor of Data in Wetlands International Reports since 1992.

REFERENCES

- **Ali Hassan Habib**
Director General
WWF- (World Wide Fund for Nature) Pakistan, P O Box 5180, Model Town, Lahore.
Tel: 0092 42 5862360 Fax: 0092 42 5862358
Email: ahabib@wwf.org.pk
- **Richard Garstang**
Conservation Advisor, WWF-Pakistan. P O Box 5180, Model Town, Lahore.
Tel: 0092 42 5862360 Fax: 0092 42 5862358
Email: rgarstang@wwf.org.pk
- **Prof. Dr. Muhammad Akhtar**
Chairman, Zoology Department, University of the Punjab, Lahore, Pakistan.
Tel: 0092 42 9231246. Email: drakhtarfdrc@hotmail.com
- **Joseph D Cruse**
UNDP- JEF Expert Pakistan. B-3-2-Le Chateau II, 30, Lorong Syed Putra Kiri 50460
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