



Curriculum Vitae

DR RAJPAN MUHAMMAD NAWAZ

Wildlife and Forest Ecologist

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Father's Name: Rajpar Muhammad Hashim
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Current Employment

1st March 2017 Continue till present date **Assistant Professor**, Department of Forestry, Shaheed Benazir Bhutto University Sheringal Dir (Upper), Pakistan

Job Description

1. Teach various forestry and wildlife subjects to BS/M.Sc/M.Phil students
 2. Supervise M.Phil and PhD Scholars
 3. Prepared Research Projects on various aspects of wildlife species and their habitats for future conservation and management plans across different ecosystems
 4. Conduct research on behavioral ecology of different wildlife species, effects of climate change, habitat loss, and human disturbance on wildlife habitats, and population community parameters across the heterogeneous eco-region.
 5. To establish collaboration with local and international scientists in the field of forestry and wildlife ecology, conservation, and management plans
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Previous Employment

Aug 2014–Nov 2016 **Consultant Wildlife**, Sindh Wildlife Department, Government of Sindh, Karachi Pakistan

Dec 2012–Aug 2014 **Researcher (Post-Doctoral)** Department of Recreation and Ecotourism, Faculty of Forestry, Universiti Putra Malaysia, Serdang Selangor Darul Ehsan, Malaysia

Mar 2012–Dec 2012 **Director, National Park**, Sindh Wildlife Department, Government of Sindh, Karachi Pakistan

Sep 2007–Mar 2012 **Lecturer in Forestry**, Pakistan Forest Institute, Peshawar, Pakistan

Oct 2000–Sep 2007 **Technical Assistant**, Pakistan Forest Institute, Peshawar, Pakistan

Post-Doctoral Research

Dec 2012– Dec 2013 Biodiversity Assessment and Economic Valuation of Mangrove Forest

Doctoral Degree

Jul 2006– Nov 2009 PhD Wildlife Management, Universiti Putra Malaysia

Research Topic: Avifauna Composition and Habitat in the Paya Indah Freshwater Wetland Ecosystem, Malaysia

Graduate Degree

Oct 2002–Jan 2005 Master of Science in Forestry, University of Peshawar

Oct 1996–Dec 1998 Master of Science in Freshwater Biology, University of Sindh

Consultancy Projects

- 2018 Survey of Keystone Birds Species and Hog Deer in Kot Dinghano Riverine Forest, Lakhat Sindh, Pakistan
 - 2010–2014 Biodiversity Assessment and Economic Valuation of Mangrove Forest
 - 2009–2011 Foraging Ecology of Different Egret Species in Wastewater Treatment Ponds
 - 2009–2010 Terrestrial Fauna of Putrajaya Artificial Wetland and Lake, Malaysia
 - 2007–2009 Avifauna Composition and its Habitat in Freshwater Wetland Ecosystem of Malaysia
 - 2008 Macro EIA of Forest Management Unit of Terengganu, Malaysia
 - 2008 Macro EIA of Forest Management Unit of Negeri Sembilan, Malaysia
 - 2007 Macro EIA of Forest Management Unit of Perak, Malaysia
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Skills & Expertise

Research Expertise

To ascertain the effects of climate change, food resources, micro-climate, habitat characteristics & alteration, water level fluctuations, and anthropogenic disturbances on population community parameters of birds and mammal species especially threatened and endangered species.

Used birds and mammals as bio-indicator to examine the current status of habitat, productivity, richness and diversity of food resources, human and predation disturbance, and pollution, etc. inhabiting in heterogeneous habitats.

Consultancy Expertise

Biodiversity Assessment, Use of GIS in Wildlife Research, Climate Change, Rangeland Management, Integrated Watershed Management, Behavioral Ecology of Wildlife Species, Restoration and Conservation of Degraded Wildlife Habitats, Water Quality Assessment, Environmental Impacts Assessment, and Effects of Human Disturbance on Wildlife and Their Habitats, etc.

Statistical Expertise

Analysis of Variance (ANOVA) and Tukey's (HSD) test, Pearson's Correlation Coefficient Test, Canonical Correlationship, Density and Diversity Analysis, etc.

Teaching Expertise

Lecturer in Forestry, Pakistan Wildlife Ecology, Integrated Land Management, Biodiversity and Forest Institute, Peshawar Climate change, Research Methods & Scientific Writing, Zoology, Statistics, Rangeland Management, Integrated Land Use and Watershed Management, Fisheries and Wildlife Management, Recreation and Park Management, Forest Ecology, Soil and Water Relationship, Wildlife Biology and Ecology, Wildlife Policy, Law, & Administration, etc.

Visiting Lecturer, Department of Environmental Science, University of Peshawar Human Ecology and Pathology, Human Anatomy, Human Physiology, and Forestry Science

Supervision of Graduate Students
B.Sc Forestry 40 Students (All graduated), 6 Thesis
M.Sc Forestry 4 (All graduated) 4 Thesis
M.Sc Wildlife Management 2 Students

Languages English, Sindhi, Urdu, Peshato

Research Collaboration

Prof. Dr. Mohamed Zakaria (Dean, Faculty of forestry, Universiti Putra **Malaysia**)

Prof. Dr. Ibrahim Ozdemir, (Department of Wildlife Ecology and Management, Faculty of Forestry, Suleyman Demirel University, Isparta, **Turkey**)

Prof. Dr. Munir Ozturk (Deptt: of Botany, Ege University, Izmir, **Turkey**)

Assoc. Prof. Dr. Salih Gucl (Institute of Environmental Sciences, Nicosia, Northern **Cyprus**)

Dr. Zamri Rosli, (Dean/Senior Lecturer at Bintulu Campus, Universiti Putra **Malaysia**)

Journal Publications

- 1 **Rajpar, M.N.**, Zakaria, M., Ozdemir, I., Sheryar, S. and Rab, A. (2018). Ascertain the productivity of heterogeneous wetland and adjacent habitats through avian foraging guilds. Accepted in *ISI Journal Animal and Plant Science*. 28(5): 1372–1384 (ISI Index; Impact Factor = 0.405)
- 2 Rosli, Z., Zakaria, M. and **Rajpar, M.N.** (2018). Edge effect on foraging guilds of upperstory birds in an isolated tropical rainforest of Malaysia. *Journal Animal and Plant Science*, 18(1): 307–320 (ISI Index; Impact Factor = 0.422).
- 3 Onwuka, M.C., **Rajpar, M.N.**, Nurhidayu, S. and Zakaria, M. (2017). Habitat selection of *Dendrocygna javanica* in heterogeneous lakes of Malaysia. *Journal of Biodiversity Management and Forestry*, 6: 3. DOI: 10.4172/2327–4417.1000183. (Sci Technol Index; Impact Factor = 1.85).
- 4 **Rajpar, M.N.**, Zakaria, M., Ozdemir, I., Ozturk, M., and Gucl, S. (2017) Avian Assemblages at Paya Indah Natural Wetland Reserve, Malaysia. *Expert Opinion Environ Biol.*, 7:1. DOI: 10.4172/2325-9655.1000148 (Sci Technol Index; Impact Factor: 0.92)
- 5 **Rajpar, M.N.**, Zakaria, M., Gucl, S. and Ozturk, M. (2015). Avian diversity in Marudu bay mangrove forest Sabah, Malaysia. Accepted in *Ekoloji Journal* (ISI Index; Impact Factor: 0.708)
- 6 Zakaria, M. and **Rajpar, M.N.** (2015). Assessing the fauna diversity of Marudu bay mangrove forest Sabah, Malaysia for future conservation. *Diversity*, 7: 137–148.

- 7 Zakaria, M. and **Rajpar, M.N.** (2015). Effects of logging and recovery process on avian richness and diversity in hill dipterocarp tropical rainforest. *Journal of Environmental Biology*, 36 (Spec. Iss): 121–127. (ISI Index; Impact Factor = 0.55)
- 8 **Rajpar, M.N.** and Zakaria, M. (2015). Bird abundance and its relationship with microclimate and habitat variables in open-area and shrub habitats in Selangor, Peninsular Malaysia. *Journal Animal and Plant Science*, 25 (1): 114–124. (ISI Index; Impact Factor = 0.549)
- 9 Khan, W.R., Khokhar, M.F., Munawar, S., Yasmin, N., Panhwar, Q.A. and **Rajpar, M.N.** (2015). Assessing the Context of Redd+ in Muree Hill Forest, Pakistan. *Advance Environmental Biology*, 9(6): 15–20. (RG Index; Impact Factor = 0.18)
- 10 **Rajpar, M.N.** and Zakaria, M. (2014). Effects of habitat characteristics on waterbird distribution and richness in wetland ecosystem of Malaysia. *Journal of Wildlife and Parks*, 28: 107–122.
- 11 **Rajpar, M.N.** and Zakaria, M. (2014). Assessing the effects of logging activities on avian richness and diversity in different aged post-harvested hill dipterocarp tropical rainforest of Malaysia. *American Journal of Applied Sciences*, 11(9): 1519–1529 (RG Index; Impact Factor = 0.79)
- 12 Zakaria, M. and **Rajpar, M.N.** (2014). Assessing the habitat suitability of two different artificial wetland habitats using avian community structures. *American Journal of Applied Sciences*, 11 (8): 1321–1331. (RG Index; Impact Factor = 0.79)
- 13 Zakaria, M., **Rajpar, M.N.**, Moridi, H.W. and Rosli, Z. (2014). Comparison of understory bird species in relation to edge-interior gradient in an isolated Tropical Rainforest of Malaysia. *Environment, Development and Sustainability*”, 16(2):375-392. (ISI Index; Impact Factor = 1.379)
- 14 **Rajpar, M.N.** and Zakaria, M. (2013). Assessing An Artificial Wetland In Putrajaya, Malaysia As An Alternate Habitat for Waterbirds. *Waterbirds*, 36 (4): 482–493. (ISI Index; Impact Factor = 0.919)
- 15 Bing, D.Y., **Rajpar, M.N.** and Zakaria, M. (2013). Avian Richness and Habitat Characteristics In Primary and Logged Hill Dipterocarp Tropical Rainforest Of Peninsular Malaysia. *Malayan Nature Journal*, 65(4): 300–316. (SCImago Index)
- 16 Zakaria, M. and **Rajpar, M.N.** (2013). Density and diversity of waterbirds and terrestrial birds in man-made marsh, Malaysia. *Sains Malaysiana*, 42(10): 1483–1492. (ISI Index; Impact Factor = 0.405).
- 17 **Rajpar, M.N.** and Zakaria, M. (2013). Avian density in different habitat types at Paya Indah natural wetland reserve, Peninsular Malaysia. *Journal Animal and Plant Science*, 23 (4): 1019-1033. (ISI Index; Impact Factor = 0.638).
- 18 **Rajpar, M.N.** and Zakaria, M. (2012). Avian community parameters of freshwater wetland ecosystem in Peninsular Malaysia. *Asia Life Sciences*, 21(2): 1–19. (ISI Index; Impact Factor = 0.259).
- 19 **Rajpar, M.N.** and Zakaria, M. (2011). Effects of water level fluctuation on waterbirds distribution and aquatic vegetation composition at natural wetland reserve, Peninsular Malaysia. *International Scholarly Research Network ISRN Ecology*, 2011, Article ID 324038, DOI: 10.5440/2011/324038. (SCImago Index)
- 20 **Rajpar, M.N.** and Zakaria, M. (2011). Bird species abundance and their correlation with microclimate and habitat variables at natural wetland reserve, Peninsular Malaysia. *International Journal of Zoology*, 2011, Article ID 758573 DOI: 10.1155/2011/758573.

- 21 **Rajpar, M.N.**, Zakaria, M., Yousf, E. and Kudus, K.A. (2010). Species abundance and feeding guilds of waterbirds at Putrajaya artificial freshwater wetland, Selangor Peninsular Malaysia. *The Pakistan Journal of Forestry*, 60(2): 1–9.
- 22 **Rajpar, M.N.** and Zakaria, M. (2010). Density and diversity of water birds and terrestrial birds at Paya Indah Wetland Reserve, Selangor Peninsular Malaysia. *Journal of Biological Science*, 10: 658–666. (SCImago Index)
- 23 Zakaria, M. and **Rajpar, M.N.** (2010). Bird species composition and feeding guilds based on point count and mist-netting methods at Paya Indah Wetland Reserve, Peninsular Malaysia. *Tropical Life Sciences Research*, 21 (2): 7–26. (SCImago Index)
- 24 Ghasemi, S., Zakaria, M., Abdul-Hamid, H., Yousof, E., Danehkar, A. and **Rajpar, M.N.** (2010). A review of mangrove value and conservation strategy by local communities in Hormozgan province, Iran. *Journal of American Science*, 6(10): 329–338. (SCImago Index)
- 25 Zakaria, M., **Rajpar, M.N.** and Sajap, A.S. (2009). Species diversity and feeding guilds of birds in Paya Indah Wetland Reserve, Peninsular Malaysia. *International Journal of Zoological Research*, 5(3): 86–100. (SCImago Index)
- 26 **Rajpar, M.N.** and Zakaria, M. (2009). Species abundance of waterbirds and terrestrial birds based on mist-netting method at Paya Indah Wetland Reserve, Peninsular Malaysia. *The Pakistan Journal of Forestry*, 59(2): 1–12.
- 27 Bajwa, G.A. and **Rajpar, M.N.** (2001). Biological activity of extract of different plants against termites, Nettle tree leaf beetle and Amaltas leaf sticher. *The Pakistan Journal of Forestry*, 51(2):31–41.

Papers Submitted to ISI Impact Factor Journals

- 1 **Rajpar, M.N.**, Zakaria, M., Ozdemir, I., Sheryar, S. and Rab, A. 2017. Ascertain the productivity of heterogeneous wetland and adjacent habitats through avian foraging guilds. Submitted to *Journal Animal and Plant Science*, (Impact Factor = 0.422) (**Pakistan**).

Proceeding Publications

- 1 Ghasemi, S., Zakaria, M., Hazandy A.H., Yusof, E., **Rajpar, M.N.**, Danehkar, A. 2010. Management of waterbird populations in the mangrove forest in IRAN. *International Conference on Sustainable Community Development (ICOSCD 2010)*. 21st – 22nd July 2010 Marriot Hotel Putrajaya **Malaysia**. Pp. 1766–1777.
 - 2 **Rajpar, M.N.** and Zakaria, M. (2009). Assessment of terrestrial birds at Paya Indah Wetland Reserve, Peninsular Malaysia. Pp. 183–196. (*Proceedings of “JSPS-VCC Core University Program International Seminar on Wetland and Sustainability 2009-Wetland and Climate Change”: The Needs for Integration.*” 26–28th June, 2009 Kota Kinabalu, Sabah **Malaysia**).
 - 3 **Rajpar, M.N.** and Zakaria, M. (2009). Assessment of waterbirds at Paya Indah Wetland Reserve, Peninsular Malaysia. Pp. 606–612. (*Proceedings of the UTM “8th Annual Symposium on Sustainability Science and Management”*. 3rd to 4th March, 2009 Kuala Terengganu, Peninsular **Malaysia**).
 - 4 **Rajpar, M.N.** and Zakaria, M. (2008). Assessment of avifauna composition at Paya Indah wetland peat swamp forest, Selangor Peninsular Malaysia. Pp. 41–50. (*Proceeding of “International Symposium and Workshop on Tropical Peatland”*. 19–22nd August, 2008 Kuching, Sarawak **Malaysia**).
 - 5 Zakaria, M., **Rajpar, M.N.** and Nizar, M. (2009). Density and diversity of bird species at Klang Mangrove Forest, Selangor, Peninsular Malaysia. (*Proceeding of “The World Biodiversity*
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Book Chapters Published

- 1 **Rajpar, M.N.**, Ozdemir, I., Zakaria, M., Sheryar, S. and Rab, A. (2018). Seabirds As Bio-indicators of Marine Ecosystem. *In: Seabirds* (Mikkola, H. (Eds.). Accepted in InTech Open Access, Publisher, Janeza Trdine 9, 51000 Rijeka, Croatia. **ISBN: 978–953–51–6128–8.**
- 2 **Rajpar, M.N.** (2018). Tropical Forest Area An Ideal Habitat for Wide Array of Wildlife Species. *In: Tropical Forest – New Edition* (Sundarshana, P., Nageswara–Rao, M., Soneji, J.R. (Eds.). Accepted in InTech Open Access, Publisher, Janeza Trdine 9, 51000 Rijeka, Croatia. **ISBN: 978–953–51–5859–2.**
- 3 **Rajpar, M.N.**, Zakaria, M., Ozdemir, I. and Rosli, Z. (2016). Fauna Diversity in Tropical Rainforest: Threats From Land Use Change. *In: Tropical Forests – The Challenges of Maintaining Ecosystem Services while Managing the Landscape* (Blanco, J.A., Chang, S. –C. and Lo, Y. –H. (Eds.). InTech Open Access, Publisher, Janeza Trdine 9, 51000 Rijeka, Croatia. **ISBN: 978–953–51–2759–8. DOI: 10.5772.61920.** Pp. 136.
- 4 **Rajpar, M.N.** and Zakaria, M. (2015). The Effects of Climate Change on Avian Diversity in High Altitude Wetland Habitats. *In: Effects of Climate Change on High Altitude Ecosystems* (Ozturk, M., Hakeem, K.R., Faridah-Hanum, I. and Efe, R. (Eds.). Springer Science + Business Media New York, USA. **ISBN: 978–3–319–12858–0.** Pp. 647.
- 5 **Rajpar, M.N.** and Zakaria, M. (2014). Mangrove Fauna of Asia. *In: Mangrove Ecosystems of Asia, Status, Challenges and Management Strategies* (Hanum, F., Mohamad, A.L., Hakeem, K.R., Ozturk, M. (Eds.). Springer Science + Business Media New York, USA. **ISBN: 978–1–4614–8581–0.** Pp. 500.
- 6 Zakaria, M. and **Rajpar, M.N.** (2014). Forest Fauna. *In: Introductory Forest Science* (Ratnasingham, J., See, L.F., Mariapan, M., Ibrahim, F.H., Husin, M.Z., Senin, A.L., Ramasamy, G. and Yoon, C.Y. (Eds.) Universiti Putra Malaysia Press, Serdang Selangor Malaysia. Pp. 152.

Book Published

- 1 Zakaria, M. and **Rajpar, M.N.** (2014). *Birds of Wetlands in Peninsular Malaysia*. Universiti Putra Malaysia Press, Serdang Selangor Malaysia. **ISBN: 978–967–344–414–4.**

References

- 1 *Prof. Dr Mohamed Zakaria (Dean/ Wildlife Ecologist)*
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 - 2 *Prof. Dr Munir Ozturk (Plant Ecologist)*
Department of Environmental Science, Ege University, Turkey. Phone: [+90535309 8104](tel:+905353098104). Fax: [+902323881036](tel:+902323881036). Email : munirozturk@gmail.com
 - 3 *Prof. Dr. Ibrahim Ozdemir (Wildlife Ecologist)*
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