

## **CURRICULUM VITAE**

Name:

**Dr. Badrul Azhar Md. Sharif**

Date of birth:

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Nationality:

**Malaysian**

Marital status:

**Married**

Current Position(s):

- 1. Research fellow at Institute of Bioscience**
- 2. Senior lecturer in conservation biology**

Office Address:

- 1. Biodiversity Unit, Institute of Bioscience, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia**
- 2. Department of Forest Management, Faculty of Forestry, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia**

Home Address:

Tel/Mobile:

**603-89467206/6019-6147179**

Email:

**b\_azhar@upm.edu.my or badrulazhar@yahoo.com**

Research expertise:

**(1) Conservation Biology; (2) Farmland biodiversity management for palm oil industry; and (3) Biodiversity assessment techniques; (4) Ecology; (5) Ecosystem and natural resource management**



Ongoing Research Project(s):

1. **Conservation status of Sun Bears and other native mammals in threatened peat swamp forest (two master students).**
2. **Effects of polyculture and monoculture practices on faunal biodiversity in oil palm smallholdings (five master students; one co-supervised).**
3. **Effects of urbanization process on bird diversity (one master student).**
4. **Effects of cattle grazing on bird diversity in oil palm plantations (one master student).**
5. **Insectivorous birds as bio-control of pest insects in oil palm agro-ecosystem (one PhD student; co-supervisor).**
6. **Relationship between water birds and water quality parameters in oil palm smallholdings (two master students; co-supervisor)**
7. **An ecological study of nocturnal birds in oil palm smallholdings (one PhD student; co-supervisor).**
8. **Bird diversity and home-range in Raja Musa peat swamp forest (one PhD student; co-supervisor).**

Academic qualifications:

- **2011 – Doctor of Philosophy (PhD) in Natural Resource Management (Conservation Biology) from the Australian National University (ANU).**
- **2007 – Master of Science (MSc) in Applied Ecology & Conservation from East Anglia University (UEA).**
- **2003 – Bachelor of Science in Zoology from the National University of Malaysia (UKM).**
- **2000 – Diploma in Forestry from Universiti Putra Malaysia.**

Chief-supervisor at ANU:

**Professor David B. Lindenmayer**

Affiliated research group at ANU:

**Conservation & Landscape Ecology, Fenner School of Environment & Society, ANU College of Medicine, Biology & Environment, The Australian National University.**

PhD thesis title:

**The ecological impacts of palm oil industry on avian and mammal biodiversity**

Academic Publications:

- Syafiq, M., Atiqah, A. R. N., Ghazali, A., Asmah, S., Yahya, M. S., Aziz, N., ... & **Azhar, B.** (2016). Responses of tropical fruit bats to monoculture and polyculture farming in oil palm smallholdings. *Acta Oecologica*, 74, 11-18.
- Hawa, A., **Azhar, B.**, Top, M. M., & Zubaid, A. (2016). Depauperate Avifauna in Tropical Peat Swamp Forests Following Logging and Conversion to Oil Palm Agriculture: Evidence from Mist-netting Data. *Wetlands*, 36(5), 899-908.
- Asmah, S., Ghazali, A., Syafiq, M., Yahya, M. S., Peng, T. L., Norhisham, A. R., ... **Azhar, B.**, & Lindenmayer, D. B. (2016). Effects of polyculture and monoculture farming in oil palm smallholdings on tropical fruit-feeding butterfly diversity. *Agricultural and Forest Entomology*.
- Aida, N., Sasidhran, S., Kamarudin, N., Aziz, N., Puan, C. L., & **Azhar, B.** (2016). Woody trees, green space and park size improve avian biodiversity in urban landscapes of Peninsular Malaysia. *Ecological Indicators*, 69, 176-183.
- Ghazali, A., Asmah, S., Syafiq, M., Yahya, M. S., Aziz, N., Tan, L. P., ... & **Azhar, B.** (2016). Effects of monoculture and polyculture farming in oil palm smallholdings on terrestrial arthropod diversity. *Journal of Asia-Pacific Entomology*, 19(2), 415-421.
- Yahya, M. S., Puan, C. L., **Azhar, B.**, Atikah, S. N., & Ghazali, A. (2016). Nocturnal bird composition in relation to habitat heterogeneity in small scale oil palm agriculture in Malaysia. *Agriculture, Ecosystems & Environment*, 233, 140-146.
- Sasidhran, S., Adila, N., Hamdan, M. S., Samantha, L. D., Aziz, N., Kamarudin, N., ... & **Azhar, B.** (2016). Habitat occupancy patterns and activity rate of native mammals in tropical fragmented peat swamp reserves in Peninsular Malaysia. *Forest Ecology and Management*, 363, 140-148.
- Jamian, S., Norhisham, A., Ghazali, A., Zakaria, A., & **Azhar, B.** (2016). Impacts of 2 species of predatory Reduviidae on bagworms in oil palm plantations. *Insect science*.
- Najmi-Hanis, Z., Puan, C. L., Zakaria, M., & **Azhar, B.** (2016). Home range and activity patterns of Sunda scops owl in Peninsular Malaysia. *RAFFLES BULLETIN OF ZOOLOGY*, 64, 28-32.
- **Azhar, B.**, Saadun, N., Puan, C. L., Kamarudin, N., Aziz, N., Nurhidayu, S., & Fischer, J. (2015). Promoting landscape heterogeneity to improve the biodiversity benefits of

certified palm oil production: Evidence from Peninsular Malaysia. *Global Ecology and Conservation*, 3, 553-561.

- **Azhar, B.**, Puan, C. L., Aziz, N., Sainuddin, M., Adila, N., Samsuddin, S., ... & Hawa, A. (2015). Effects of in situ habitat quality and landscape characteristics in the oil palm agricultural matrix on tropical understory birds, fruit bats and butterflies. *Biodiversity and Conservation*, 24(12), 3125-3144.
- Sulai, P., Nurhidayu, S., Aziz, N., Zakaria, M., Barclay, H., & **Azhar, B.** (2015). Effects of water quality in oil palm production landscapes on tropical waterbirds in Peninsular Malaysia. *Ecological Research*, 30(5), 941-949.
- **Azhar, B.**, Lindenmayer, D. B., Wood, J., Fischer, J., & Zakaria, M. (2014). Ecological impacts of oil palm agriculture on forest mammals in plantation estates and smallholdings. *Biodiversity and conservation*, 23(5), 1175-1191.
- **Azhar, B.**, Puan, C. L., Zakaria, M., Hassan, N., & Arif, M. (2014). Effects of monoculture and polyculture practices in oil palm smallholdings on tropical farmland birds. *Basic and Applied Ecology*, 15(4), 336-346.
- **Azhar, B.**, Lindenmayer, D.B., Wood, J., Fischer, J., Manning, A., McElhinny, C., & Zakaria, M. 2013. The influence of agricultural system, stand structural complexity and landscape context on foraging birds in oil palm landscapes. *IBIS: the International Journal of Avian Science*, 155: 297-312.
- **Azhar, B.**, Lindenmayer, D.B., Wood, J., Fischer, J., Manning, A., McElhinny, C., & Zakaria, M. 2013. Contribution of illegal hunting, culling of pest species, road accidents and feral dogs to biodiversity loss in established oil palm landscapes. *Wildlife Research*, 40: 1-9.
- **Azhar, B.**, Sapari, M., Zulkifly, S., Suhailan, W.M., & Sajap, A.S. 2013. Protecting biodiversity outside natural forests: Environmental-friendly oil palm plantations as an off-reserve strategy in Peninsular Malaysia. *Pertanika JTAS* 36: 231 – 246..
- Jambari, A., **Azhar, B.**, Ibrahim, N.L., et al. 2012. Avian biodiversity and conservation in Malaysian palm oil production lands. *Journal of Palm Oil Research*, 24: 1277-1286.
- **Azhar, B.**, Lindenmayer, D.B., Wood, J., Fischer, J., Manning, A., McElhinny, C., & Zakaria, M. 2011. The conservation value of oil palm plantation estates, smallholdings

and logged peat swamp forest for birds. *Forest Ecology and Management*, 262: 2306-2315.

- **Azhar, B.**, Zakaria, M., Yusof, E., Leong, P.C. 2008. Using deterministic sustainability indices for harvesting red jungle fowl, *Gallus gallus gallus* (Linnaeus) in Peninsular Malaysia. *Malaysian Forester* 71: 159-171.
- **Azhar, B.**, Zakaria, M., Yusof, E., Leong, P.C. 2008. The feasibility of using line-transect-based distance sampling to survey red jungle fowl (*Gallus gallus spadiceus* bonnaterre) in Peninsular Malaysia. *Malaysian Forester* 71: 81-94.
- **Azhar, B.**, Zakaria, M., Yusof, E., Leong, P.C. 2008. Efficiency of Fixed-Width Transect and Line-Transect-based Distance Sampling to Survey Red Junglefowl (*Gallus gallus spadiceus*) in Peninsular Malaysia. *Journal of Sustainable Development* 1: 63-73.
- **Azhar, B.**, Zakaria, M., Yusof, E., Leong, P.C. 2007. Estimating the island population density and abundance of red junglefowl (*Gallus gallus*): Biological indicator for sustainable managed oil palm plantations? *Malayan Nature Journal* 59: 281-296.
- **Azhar, B.**, Yusof, E., Zakaria, M., & Leong, P.C. 2006. Microclimatic changes and vegetation structure in forest edge: The case of Krau Wildlife Reserve, Pahang. *Malaysian Forester* 69: 131-137.

#### Proceeding Publications:

- Sulai,P., **Azhar, B.**, Abu Bakar, S.N., Afendy, M., Siti Aisah, S., Zakaria, M. 2013. A preliminary investigation on water birds and their relation with flood-control drain water quality in oil palm smallholdings. *Proceedings of the International Forestry Graduate Students' Conference*, 36-40.
- Afendy, M., Abu Bakar, S.N., **Azhar, B.**, Sulai,P., Siti Aisah, S. 2013. A preliminary investigation on water quality of water courses in oil palm smallholdings converted from peat swamp and mangrove forests. *Proceedings of the International Forestry Graduate Students' Conference*, 188-92.

#### General publication

**Azhar, B.**, Puan, C.L., Jambari, A. & Ibrahim, N.L. 2010. The sentinel of peat swamp forest. *Malaysian Naturalist*, 64-2: 14-15.

Invited Journal Reviewer

- **Conservation Letters**
- **Biological Conservation**
- **Wildlife Research**
- **European Journal of Wildlife Research**

Teaching Subjects

- **Biodiversity Conservation (Undergraduate)**
- **Wildlife Ecology and Management (Undergraduate)**
- **Forest Ecology (Undergraduate)**

Students' research project supervision:

|                      | <b>Bachelor</b>                             | <b>Master</b>      | <b>PhD</b>         |
|----------------------|---|--------------------|--------------------|
| <b>Primary</b>       | <b>10 (completed)</b><br><b>6 (ongoing)</b> | <b>8 (ongoing)</b> |                    |
| <b>Co-supervisor</b> | <b>1 (ongoing)</b>                          | <b>2 (ongoing)</b> | <b>2 (ongoing)</b> |

Research grants:

- **Geran Putra (Postgraduate student project) 2013**
- **Rufford Small Grant for Nature Conservation (RSG) 2013**
- **Skim Geran Universiti Penyelidikan (RUGS) 2012**
- **Fundamental Research Grant Scheme KPT 2009**
- **Wildlife Conservation Society Research Fellowship 2009**
- **Malaysian Nature Society Tan Kean Chong's Bird Conservation Memorial Fund 2009**
- **ANU VC Student Travel Grant 2009**
- **IDEA WILD field equipment 2006**

Work history:

- **2012 – present – Appointed as senior lecturer at UPM**
- **2011 – Temporary research assistant at ANU**
- **2005 – 2012 – Tutor at Faculty of Forestry Universiti Putra Malaysia**
- **2003 – 2005 – Wildlife officer at Department of Wildlife & National Parks (DWNP)**
- **2003 – Research assistant at UKM**

Statistical analytical software:

- **DISTANCE (Research Unit for Wildlife Population Assessment, University of St. Andrews, UK.** (<http://www.ruwpa.st-and.ac.uk/distance/>)
- **PRESENCE (Patuxent Wildlife Research Center, www.mbr-pwrc.usgs.gov/software/presence.html)**
- **PRIMER 6 (www.primer-e.com)**
- **GenStat (VSN International)**

Other wildlife/biodiversity-related experience:

- **2012 – Ornithology Seminar organized by Malaysian Nature Society and UPM**
- **2011 – Kangaroo survey at Mulligan’s Flat, Canberra, Australia.**
- **2009 – Postgraduate (PhD) research project in biodiversity assessment in oil palm landscapes and the North Selangor Peat Swamp Forest.**
- **2007 – Distance Sampling workshop at St. Andrews University, Scotland.**
- **2006 – UPM Faculty of Forestry & Exxon Mobil Kem Pendidikan Alam Sekitar.**
- **2006 – Postgraduate (MSc) research project in wildlife ecology at Carey Island, Selangor.**
- **2005 – DWNP wildlife inventory in Taman Negara Pahang.**
- **2005 – Wildlife Conservation Society & DWNP Teachers for tiger at Institut Kebelbagaian Biologi Kebangsaan, Lancang, Pahang.**
- **2005 – Seminar Pemuliharaan Alam Sekitar Tanggungjawab Sejagat at Hotel Grand Plaza Parkroyal Kuala Lumpur**

- **2004 – Smithsonian Institution Environmental Education & Conservation Course at Khao Kheow Open Zoo, Thailand.**
- **2003 – 2005 – DWNP Head of tiger conservation unit.**
- **2003 – DWNP wildlife inventory in Taman Negara National Park, Pahang.**
- **2002 – Final year undergraduate project in conservation biology at Krau Wildlife Reserve, Pahang.**
- **2002 – Industrial training at DWNP in Taman Negara National Park, Pahang.**
- **2002 – Forestry Department Scientific expedition to Ulu Muda Forest Reserve, Kedah.**
- **1999 – Industrial training at DWNP in Zoo Melaka.**
- **1999 – UPM Wildlife Camp at Sungai Lalang Forest Reserve, Selangor.**
- **1998 – UPM Forestry Camp at Air Hitam Forest Reserve, Selangor.**