

# AAINAA SYAZWANI BT MOHAMAD AMIR HAMZAH

FAKULTI SAINS BUMI, UNIVERSITI MALAYSIA KELANTAN,  
17600 JELI, KELANTAN

(012) 5331971 • [SYAZWANI@UMK.EDU.MY](mailto:SYAZWANI@UMK.EDU.MY)



## EMPLOYMENT HISTORY

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- 2019 onwards Universiti Malaysia Kelantan, Senior Lecturer DS51
- 2010 – 2017 Universiti Malaysia Kelantan, Lecturer DS45
- 2009 Universiti Kebangsaan Malaysia, Research Assistant

## EDUCATION

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- 2011 – 2018 Universiti Putra Malaysia: Doctor of Philosophy  
Specialising in Biodiversity (Ornithology)  
Supervisor: Associate Prof. Dr. Hafidzi Mohd Noor
- 2008 – 2009 Universiti Kebangsaan Malaysia: Master of Science (Conservation Biology)  
Supervisor: Prof. Dr. Shukor Md. Nor
- 2005 - 2008 Universiti Kebangsaan Malaysia: Bachelor of Science with Honour (Biology)  
Supervisor: Prof. Dr. Badrul Munir Md. Zin

## ACADEMIC HONOURS

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- 2020 Teaching enhancement & Learning Innovation Carnival (TeLiC '20) (Silver & Bronze Award)
- 2020 UMS Colloquium on Fundamental Research & Application 2020 (UMS-CoFA 2020) (Gold Award)
- 2019 International Conference and Exposition on Inventions by Institutions of Higher Learning (Silver Award)

## GRANTS

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- 2020 DANA INOVASI YAYASAN MUHIBAH TAN SRI FNG AH SENG : RM 20,000  
"Anti-Monkey Recycle Bin"
- 2020 UMK-FUND: RM 20, 000  
"Trends in Arrival Dates of Migrant Birds throughout Climate Change in Pantai Sabak, Kelantan."
- 2020 UMK-FUND: RM 20, 000  
"Influence of Agricultural Practices on Small-scale Rice Farmer's Exposure to Pesticides in Kelantan"
- 2019 FRGS: RM 78,000  
"Interaction or Radial Growth Rate and Site Location on Anatomical Characteristics and Wood Properties of 10-and 40-Year-Old Sentang (*Azadirachta excelsa*) Planted in West and East Coast of Peninsular Malaysia"
- 2019 SGJP-IMPAK : RM 24, 500  
"Transferring Knowledge on Safer Fish and Water Resources Consumption to Batek Trive in Merapoh, Pahang"
- 2017 SGJP-Keserakanan USM

“Biodiversity assessment and ecotourism potential study for University Malaysia Kelantan’s Gelam Forest Conservation”

## ACADEMIC IMPACT OF PUBLISHED WORK

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22 publications, including one article popular.

Google Scholar h-index = 5 (i.e. 10 publications cited at least 1 time)

Major papers in Scopus index journals, such as *Tropical Natural History*, *Acta Biologica Malaysiana*, *Journal of Sustainability Science and Management*, *Malaysian Applied Biology*, *Tropical Life Sciences Research*, *International Journal of Recent Technology and Engineering*, *International Letters of Natural Sciences*.

Examples:

Kamarul, Ahmad, Syaizwan, Badrul, Aainaa (2012), *Tropical Natural History*: 26 citations  
Kamarul, Ahmad, Badrul, Aainaa, Firdaus (2014), *Acta Biologica Malaysiana*: 13 citations  
Kamarul, Badrul, Aainaa (2016), *Journal of Sustainability Science and Management*: 7 citations

## JOURNAL ARTICLES

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### Published or Accepted

1. Hamirul, S., Izereen, M., Azmin, H., Izzati, A., Ainur, B., Nabihah, M., Izyan, S., Syafiq, N., Izzat, N., Syafiq, S. **Aainaa, A.**, Norashikin, F., Hizami, H., Azahar, A., Firdaus, K., Amal, N., Ai Yin, S., Lukma, I., Yusoff, S., Kamarul, H. 2021. Camera trap survey of wildlife in State Land Forest, Merapoh, Pahang, Malaysia. *The Malaysian Forester*. 84(2): 283-295.
2. Muhammad Hamirul Shah Ab Razak, Kamarul Hambali, **Aainaa Amir**, Norashikin Fauzi, Nor Hizami Hassin, Muhamad Azahar Abas, Muhammad Firdaus Abdul Karim, Ai Yin Sow, Lukman Ismail, Nor Azmin Huda Mahamad Shubli, Nurul Izzati Adanan, Ainur Izzati Bakar, Nabihah Mohamad, Nur Izyan Fathiah Saimeh, Muhammad Syafiq Mohamad Nor, Muhammad Izzat Hakimi Mat Nafi, Syafiq Sulaiman. 2021. A camera trap record of Asiatic Golden Cat *Catopuma temminckii* (Vigors & Horsfield 1827) (Mammalia: Carnivora: Felidae) in State Land Forest, Merapoh, Pahang, Malaysia. *Journal of Threatened Taxa*. 13(6): 18651-18654
3. Kamarul Hambali, Nor Fakhira Muhamad Fazli, **Aainaa Amir**, Norashikin Fauzi, Nor Hizami Hassin, Muhamad Azahar Abas, Muhammad Firdaus Abdul Karim, Ai Yin Sow. 2021. The discovery of a melanistic Leopard *Panthera pardus delacourii* (Linnaeus, 1758) (Mammalia: Carnivora: Felidae) at Bukit Kudung in Jeli, Kelantan, Peninsular Malaysia: conservation and ecotourism. *Journal of Threatened Taxa*. 13(1): 17513-17516
4. **\*Aainaa Amir**, Kamarul Hambali, Adib Bahar, Huda Abdullah, Fahmi Wahab. 2020. Surveys of Bird Species in the Gunung Basor, Kelantan. *IOP Conf. Series: Earth and Environmental Sciences*. 549012052, 1-8
5. Amal Najihah, Nur Hairunnisa, Kamarul Hambali, Azahar Abas, Wani Sofia, Norashikin Fauzi, Hasifah Aziz, Norfadhilah Ibrahim, Hizami Hassin, **Aainaa Amir**, Nur Hanisah. 2020. Predicting the Impact of Urban Expansion on Green Space Area in Kota Bharu, Kelantan, Malaysia. *Malayan Nature Journal*. 72(2), 147-152.
6. Muhammad Firdaus Abdul Karim, Kamarul Hambali, Ai Yin Sow, Nor Hizami Hassin, Muhamad Azahar Abas, Amal Najihah Muhamad Nor, **Aainaa Amir**, Lukman Ismail. 2020. Preliminary Study on Copper, Zinc and Iron Concentration in Soils from Waste Dumping Site in Tanah Merah, Kelantan, Malaysia. *Journal of Tropical Resources and Sustainable Science*. 8, 12-16
7. Nur Syuhada Mohamad Asri, Kamarul Hambali, **\*Aainaa Amir**, Nor Atiqah Norazlimi. 2020. Bird Diversity in Mangrove Areas in Tumpat, Kelantan. *Malayan Nature Journal*. 72(1), 63-75

8. Aniza Talib, Kamarul Hambali, Ehwan Ngadi, Muhammad Syafiq Haiqal, **Aainaa Amir**, Ai Yin Sow. 2020. A preliminary survey of herpetofauna at Delta Tumpat Mangrove Forest, Kelantan, Malaysia. *Journal of Wildlife and Parks*. 35, 1-10.
9. Kamarul Hambali, Noorsuhaily Ali, Nor Hizami Hassin, Muhamad Azahar Abas, Mohamad Najmi Masri, Mazlan Mohamed, **Aainaa Amir**, Muhammad Khairul Arif Ahamad. 2019. An Innovative Design of Anti-Animal Trash Bin to Solve Human-Macaque Conflict Issue. *International Journal of Recent Technology and Engineering (IJRTE)*. 8(2S11), 2277-3878
10. Malisa Ilyana Mohd Alias, Kamarul Hambali\*, **Aainaa Amir**, Norashikin Fauzi, Hizami Hassin and Sow Ai Yin. 2019. Checklist of Fishes at Pergau Lake, Jeli, Kelantan, Malaysia. *Tropical Life Sciences Research*. 30(1), 161–167
11. Lo Shea Ling, Nik Mohd Maseri, Kamarul Hambali, **Aainaa Amir**. 2018. A preliminary camera traps assessment of terrestrial vertebrates at different elevation gradients in Gunung Stong State Park, Kelantan, Malaysia. *Malayan Nature Journal*. 70(1), 3-11
12. Nurul Ashikin Hassim, Kamarul Hambali, Nor Shahirul Umirah Idris, **Aainaa Amir**, Ahmad Ismail, Syaizwan Zahmir Zulkifli and Ai Yin Sow. 2018. Lead Concentration in Long-Tailed Macaque (*Macaca fascicularis*) Hair in Kuala Selangor, Malaysia. *Tropical Life Sciences Research*. 29(2), 175-186
13. Adilah Suhailin Kamaruzaman, Nur Syazlina Samsaimon, Maya Liyana Hamzah, **Aainaa Amir**, Kamarul Hambali, Mat Naim Ramli, Ahmad Nizam Zainudin, Abdul Kadir Abu Hashim, Dennis Ten Choon Yung, Li Desheng, Li Caiwu. 2017. Daily activity budget, feeding preferences and habitat choice of giant panda (*Ailuropoda melanoleuca*) at Zoo Negara Malaysia. *Malayan Nature Journal*. 69(3):183-192
14. Solehuddin Zainol, **Aainaa Amir**, Kamarul Hambali. 2017. Prevalence factor of ectoparasites infestation towards reared pig-tailed macaque (*Macaca nemestrina*) in monkey school, Bachok, Kelantan, Peninsular Malaysia. *Malayan Nature Journal*. 69 (4), 307-314
15. Shahrman Hassan, Kamarul Hambali, Wan Yusoff Wan Shahrudin, **Aainaa Amir**. 2017. Human-Wildlife Conflict: A Study of Local Perceptions in Jeli, Kelantan, Malaysia. *The Malayan Nature Journal*. Vol. 69, No. 2. 113-125.
16. Norazila Kassim, Kamarul Hambali, **Aainaa Amir**. 2017. Nutritional Composition of Fruits Selected by Long-tailed Macaques (*Macaca fascicularis*) in Kuala Selangor, Malaysia. *Tropical Life Science Research*. 28(1), 91-101.
17. Kamarul Hambali, Badrul Munir Md-Zin, **Aainaa Amir**. 2016. Daily Movement, Sleeping Sites and Canopy Level Use of Habituated Silvered-leaf Monkeys (*Trachypithecus cristatus*) in Bukit Malawati, Kuala Selangor, Malaysia. *Journal of Sustainability Science and Management*. Vol. 11 No. 2, 21-30.
18. Kamarul Hambali, Nadia Zakaria, Norashikin Fauzi, **Aainaa Amir**. 2015. Behaviour of Captive Ostriches (*Struthio camelus*) at Universiti Malaysia Kelantan, Bachok Campus, Kelantan, Malaysia. *J. Trop. Resour. Sustain. Sci.*. 3(2015) : 13-17.
19. **Aainaa Amir**, Hafidzi Mohd Noor, Kamarul Hambali. 2015. Assessing Avian Richness and Diversity in Different Regions of Oil Palm Plantations in Selangor, Malaysia. *International Letters of Natural Sciences*. Vol. 42, 28-37.
20. **Aainaa Amir**, Hafidzi Mohd Noor, Kamarul Hambali. 2015. Diversity and Density of Birds at Mangroves and Oil Palm Plantations in Two Different Regions in Selangor, Malaysia. *ARPN Journal of Agricultural and Biological Science*. Vol. 10, No. 11.
21. K. Hambali, A. Ismail, M.M. Md-Zain, **Aainaa Amir**, F.A. Karim. 2014. Diet of Long-tailed Macaques (*Macaca fascicularis*) at the entrance of Kuala Selangor Nature Park (Anthropogenic Habitat) : Food Selection that Leads to Human-Macaque Conflict. *Acta Biologica Malaysiana*. 3(2), 58-68
22. H. Kamarul, I. Ahmad, M.Z. Badrul-Munir, Z. Syaizwan, **Aainaa Amir**. 2014. Ranging Behaviour of Long-tailed Macaque (*Macaca fascicularis*) at the Entrance of Kuala Selangor Nature Park. *Malaysia Applied Biology Journal*. 43(2), 129-142.

23. K. Hambali, A. Ismail, S.Z. Zulkifli, **Aainaa Amir**. 2012. Human-Macaque Conflict and Pest Behaviours of Long-tailed Macaque (*Macaca fascicularis*) in Kuala Selangor Nature Park. *Tropical Natural History*. 12(2), 189-205.

## POPULAR ARTICLE

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24. Aainaa Syazwani. 2020. Seni Bina Burung. Klik Web DBP

## THESES

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25. Aainaa Syazwani. 2018. Comparison of Resident Bird Communities in Mangrove Forests and Oil Palm Plantations in Selangor, Malaysia. PhD Thesis. Fakulti Pertanian, Universiti Putra Malaysia, Selangor.
26. Aainaa Syazwani. 2009. Feeding Ecology of Malayan Tapir (*Tapirus indicus*) at semi-wild enclosure in Sungai Dusun Wildlife Reserve, Selangor. Master of Science Thesis. Fakulti Sains dan Teknologi, Universiti Kebangsaan Malaysia, Selangor.
27. Aainaa Syazwani. 2008. Playing Behaviour of Silvered-leaf Monkey (*Trachypithecus cristatus*) at Bukit Malawati, Kuala Selangor, Selangor. Bachelor Degree Science Thesis. Fakulti Sains dan Teknologi, Universiti Kebangsaan Malaysia, Selangor.

## TEACHING & STUDENT SUPERVISION

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- 2010 ongoing Various teaching activities at Universiti Malaysia Kelantan, including:  
Biodiversity  
Animal Anatomy and Physiology  
Wildlife Management  
Techniques in the Interpretation of Wilderness  
Techniques in Environmental Analysis  
Management of Natural Resources Tourism  
Students in Enterprise  
In-situ and Ex-situ Conservation  
Final Year Project I  
Final Year Project II  
Vertebrate Biology  
Animal Behavior  
Industrial Training I  
Biology (Pre-Degree)
- 2021 ongoing MSc. Supervision at Universiti Malaysia Kelantan  
(Currently one candidate)
- 2015 onwards Supervision of Bachelor theses at Universiti Malaysia Kelantan  
2021 Supervisor of Miss Siti Nur Sabiha Shahirah bt Che Mat, Practical student from Universiti Tun Hussein Onn, Pagoh.

## PROFESSIONAL ACTIVITIES

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### **Reviewer for a wide range of journals, seminar and proceedings**

Many journals, including: Journal of Tropical Resources and Sustainable Science, Journal of Sustainability Science and Management, Ulu Sat Expedition Seminar 2019, Proceeding by IP Publishing in conjunction with International Conference on Tropical Resources and Sustainable Science (CTReSS 2.0), International Conference on Science and Technology 2020 (ICoST 2020), Borneo Journal of Science and Technology (BJoST), Journal of Academia, Journal of Advances in Microbiology, International Conference on Bioengineering and Technology (IConBET2021), International Conference on Tropical Resources and Sustainable Science (CTReSS 3.0).

## **Presentations**

- Aainaa Amir. 2021. Study of Bird Abundance in Lalang Chalet & Campsite for Ecotourism in Kelantan. International Conference on Bioengineering and Technology. Kelantan.
- Aainaa Amir. 2020. Annotated Checklist of the Bird Species of the Gunung Basor, Kelantan. 2nd International Conference Tropical Resources and Sustainable Sciences (CTReSS 2.0). Kelantan.
- Aainaa Amir. 2016. Abundance of Roadkills along Rantau Panjang-Jeli-Gerik, Malaysia. Seminar Ekologi Malaysia 2016. Putrajaya.
- Aainaa Amir. 2016. Prevalence Factor of Ectoparasites Infestation towards Reared Pig-tailed Macaque (*Macaca nemestrina*) in 'Sekolah Beruk', Bachok, Kelantan. Seminar Ekologi Malaysia 2016. Putrajaya.
- Aainaa Amir. 2016. Isolation and Characterization of Lignocellulosic Fibers from Giant Panda Waste. Ekspo Hijau Kelantan 2016. Kelantan.
- Aainaa Amir. 2015. The Richness and Diversity of Birds at Oil Palm Plantations in Different Regions of Selangor. International Conference on Biodiversity and Conservation 2015 (ICBC 2015). Perak.
- Aainaa Amir. 2014. Comparison of Bird Diversity and Density between Mangroves and Oil Palm Plantations and its Vicinity of the Selangor, Malaysia. International Conference on Agricultural Environmental and Biological Sciences (AEBS-2014). Phuket.

## **Professional Associations**

Malaysian Nature Society (MNS), Malaysian Society of Applied Biology (MSAB), National STEM Association (NSA)

## **Other activities (selected)**

- 2021: Program Director for Student Certification Ceremony, Program Pra Ijazah Sains UMK
- 2020 ongoing: Program Coordinator for Program Pra Ijazah Sains UMK
- 2020: Coordinator for Final Year Project, Program Sains Sumber Asli
- 2020: Coordinator for Promotion Committee, Program Sains Sumber Asli
- 2020 ongoing: Coordinator for Biology, Program Pra Ijazah Sains UMK
- 2020: Jury for Video Competition during Minggu Sains Negara 2020, Kelantan
- 2020: Jury for Video Presentation during 2<sup>nd</sup> Conference on Tropical Resources & Sustainable Sciences (CTReSS 2.0)
- 2020: Vetter for Final Assessment, Fakulti Sains Bumi
- 2020: Program Director for Final Year Project Colloquium, Program Sains Sumber Asli
- 2020: Program Director for Induction Program, Program Pra Ijazah Sains UMK
- 2020: Moderator for Mocha Talk: "Adakah Saya Tidak Pandai atau Kurang Bernasib Baik?"
- 2020: Secretary for Community Service with Indigeneous People at Sungai Rual
- 2020: Reference Expert for University for Society (U4S) – Virtual STEM Exploration with Sekolah Menengah Kebangsaan Agama Lati
- 2019-2020: Experts and Advisor for Innovation Team Sekolah Menengah Sains Jeli
- 2019: Secretary at Jabatan Sains Sumber Asli dan Kelestarian
- 2019 onwards: Advisor for Conservation is Conversation