

# CURRICULUM VITAE



## A. BUTIR-BUTIR PERIBADI *(Personal Details)*

Nama Penuh <i>(Full Name)</i>	Puan Chong Leong		Gelaran <i>(Title)</i> : Dr.
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i> 770206-14-5231	Warganegara <i>(Citizenship)</i> Malaysia	Bangsa <i>(Race)</i> Cina	Jantina <i>(Gender)</i> Lelaki
Jawatan <i>(Designation)</i>	Pensyarah Kanan	Tarikh Lahir <i>(Date of Birth)</i>	6 Februari 1977

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
Fakulti Perhutanan, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor  Tel: 03-89467583	Jabatan Pengurusan Hutan, Fakulti Perhutanan  Tel: 03-89467583 Fax: 03-89432514	E-mail: chongleong@upm.edu.my  URL: <a href="https://jpt.moe.gov.my/malimsarjana/cvpreview.cfm?id=10141">https://jpt.moe.gov.my/malimsarjana/cvpreview.cfm?id=10141</a>  H/P: 017-8752872

## B. KELAYAKAN AKADEMIK *(Academic Qualification)*

Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year obtained)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
Bachelor Sains Perhutanan	Universiti Putra Malaysia	2001	Pengurusan Taman dan Rekreasi
Master Sains	Universiti Putra Malaysia	2005	Pengurusan Hidupan Liar
Ph.D.	University of Queensland	2010	Ekologi Hidupan Liar

## C. KEMAHIRAN BAHASA *(Language Proficiency)*

Bahasa / <i>Language</i>	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English					√
Bahasa Melayu					√
Chinese				√	
Lain-lain <i>(other)</i> :					

<b>D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN</b> ( <i>Scientific experience and Specialisation</i> )				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Global Owl Project, U.S.A.	Research Associate	2008	Present	Owl Ecology
World Owl Trust, U.K.	Overseas Representative	2010	Present	Owl Ecology and Conservation
Asian Raptor Research Conservation Network, Japan	Research Associate	2010	Present	Raptor Ecology and Migration
Acopian Center for Conservation Learning, Hawk Mountain Sanctuary, U.S.A.	Conservation Science Trainee	12 March 2013	2 July 2013	Raptor Conservation and Migration
Biodiversity Unit, Institute of Bioscience (IBS), UPM	Research Fellow	2014	Present	Biodiversity Research
Global Challenges University Alliance, Swedish University of Agricultural Sciences, Sweden	Member	2015	Present	Wildlife Conservation and Research
Universiti Pendidikan Sultan Idris (UPSI)	Keynote Speaker	26 May 2015	28 May 2015	Biodiversity Management for Economic Goods and Ecosystem Services
Avian Evolution Laboratory Department of Biological Sciences, Faculty of Science National University of Singapore, Singapore	Postdoctoral Research Fellow	November 2015	Present	Avian Population Genomics
Laboratory of Sustainable Bioresource Management (BIOREM), Institute of Tropical Forestry and Forest Product (INTROP), UPM	Research Fellow	October 2016	Present	Forest Biodiversity Research

<b>E. PEKERJAAN</b> ( <i>Employment</i> )				
<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
Jabatan Pendidikan Wilayah Persekutuan	Guru sandaran	-	Januari 1998	April 1998
UPM	Pembantu penyelidik	Jabatan Pengurusan Hutan	April 2005	Disember 2005
UPM	Tutor	Jabatan Pengurusan Hutan	Mac 2006	Oktober 2010
UPM	Pensyarah Kanan	Jabatan Pengurusan Hutan	Oktober 2010	Masih berkhidmat

<b>F. ANUGERAH DAN HADIAH</b> ( <i>Honours and Awards</i> )				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
Academic Awards	Timber Management Group Terengganu (KPKKT) Award for best Bachelor of Forestry Science (Parks and Recreation Management) student	Faculty of Forestry, UPM	Faculty	1999/2000

	Scholarship to pursue Ph.D. under Public Higher Education Institution Academic Training Scheme	Ministry of Higher Education Malaysia	National	2007-2010
	Fellowship to pursue M.Sc. under Post-graduate Scheme of UPM	School of Graduate Studies, UPM	University	2001-2003
	Dean's List	UPM	University	2000/2001
	Anugerah Pensyarah Pilihan	UPM	University	2013
	Outstanding Reviewer Award	Elsevier, Amsterdam, The Netherlands in cooperation with International Association for the Plant Protection Sciences	International	2015
Awards of Merit	Anugerah Perkhidmatan Cemerlang	UPM	University	2011

**G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)**

<i>Journal</i>	<ol style="list-style-type: none"> <li>1. Yee, S.A., <b>C.L. Puan</b>, P.K. Chang &amp; B. Azhar. 2016. Vocal individuality of Sunda Scops Owl (<i>Otus lempiji</i>) in Peninsular Malaysia. <i>Journal of Raptor Research</i> 50(4).</li> <li>2. Yahya, M.S., <b>C.L. Puan</b>, B. Azhar, S.N. Atikah &amp; A. Ghazali. 2016. Nocturnal bird composition in relation to habitat heterogeneity in small scale oil palm agriculture in Malaysia. <i>Agriculture, Ecosystems and Environment</i> 233: 140-146.</li> <li>3. Asmah, S., A. Ghazali, Syafiq, M., M.S. Yahya, L.P. Tan, A.R. Norhisham, <b>C.L. Puan</b>, B. Azhar &amp; D. Lindenmayer. 2016. Effects of polyculture and monoculture farming in oil palm smallholdings on tropical fruit-feeding butterfly diversity. <i>Agricultural and Forest Entomology</i>. doi: 10.1111/afe.12182.</li> <li>4. Syafiq, M., A.R. Nur Atiqah, A. Ghazali, S. Asmah, M.S. Yahya, N. Aziz, <b>C.L. Puan</b> &amp; B. Azhar. 2016. Responses of tropical fruit bats to monoculture and polyculture farming in oil palm smallholdings. <i>Acta Oecologica</i> 74: 11-18.</li> <li>5. Ghazali, A., S. Asmah, M. Syafiq, M.S. Yahya, N. Aziz, L.P. Tan, A.R. Norhisham, <b>C.L. Puan</b>, E.C. Turner &amp; B. Azhar. 2016. Effects of monoculture and polyculture farming in oil palm smallholdings on terrestrial arthropod diversity. <i>Journal of Asia-Pacific Entomology</i> 19(2): 415-421.</li> <li>6. Aida, N., S. Sasidhran, N. Kamarudin, N. Aziz, <b>C.L. Puan</b> &amp; B. Azhar. 2016. Woody trees, green space and park size improve avian biodiversity in urban landscapes of Peninsular Malaysia. <i>Ecological Indicators</i> 69: 176-183.</li> <li>7. Sasidhran, S., N. Adila, M.S. Hamdan, L.D. Samantha, N. Aziz, N. Kamarudin, <b>C.L. Puan</b>, E. Turner &amp; B. Azhar. 2016. Habitat occupancy patterns and activity rate of native mammals in tropical fragmented peat swamp reserves in Peninsular Malaysia. <i>Forest Ecology and Management</i> 363: 140-148.</li> <li>8. Najmi-Hanis, Z., <b>C.L. Puan</b>, M. Zakaria &amp; B. Azhar. 2016. Home range and activity patterns of Sunda Scops Owl in Peninsular Malaysia. <i>Raffles Bulletin of Zoology</i> 64: 28-32.</li> <li>9. <b>Puan, C.L.</b>, D.L. Yong, B. Azhar, M.H. Phua &amp; K.C. Lim. 2015. Ecological correlations of nocturnal bird assemblages in Malaysian Borneo. <i>Forktail</i> 31: 82-86.</li> <li>10. Kim, H.-K., M.S. Vega, M. Wahl, <b>C.L. Puan</b>, L. Goodrich &amp; K.L. Bildstein. 2015. Relationship between the North Atlantic Oscillation and Spring Migration and Phenology of Broad-winged Hawks <i>Buteo platypterus</i> at Hawk Mountain Sanctuary, 1998-2013. <i>Journal of Raptor Research</i> 49(4): 471-478.</li> <li>11. Azhar, B., <b>C.L. Puan</b>, N. Aziz, M. Sainuddin, N. Adila, S. Samsuddin, S. Asmah, M. Syafiq, S.A. Razak, A. Hafizuddin, A. Hawa, S. Jamian. 2015. Effects of in situ habitat quality and landscape characteristics in the oil palm agricultural matrix on tropical understory birds, fruit bats and butterflies. <i>Biodiversity and Conservation</i> 24(12): 3125-3144.</li> <li>12. Azhar, B., N. Saadun, <b>C.L. Puan</b>, N. Kamarudin, N. Aziz, S. Nurhidayu &amp; J. Fischer. 2015. Promoting landscape heterogeneity to improve the biodiversity benefits of certified palm oil production: evidence from Peninsular Malaysia. <i>Global Ecology and Conservation</i> 3: 553-561.</li> <li>13. Azhar, B., <b>C.L. Puan</b>, M. Zakaria, N. Hassan &amp; M. Arif. 2014. Effects of monoculture and polyculture practices in oil palm smallholdings on tropical farmland birds. <i>Basic and Applied Ecology</i> 15(4): 336-346.</li> <li>14. <b>Puan, C.L.</b>, C.A. Yeap, K.C. Lim, A.T. Lim, S.S. Khoo &amp; N. Cheung. 2014. Northbound migration count of raptors at Tanjung Tuan, Peninsular Malaysia: magnitude, timing and flight behavior. <i>Journal of Raptor Research</i> 48(2): 162-172.</li> <li>15. <b>Puan, C.L.</b>, G.S. Baxter, A.W. Goldizen, M. Zakaria &amp; M.N. Hafidzi. 2012. Barn owl predatory behavior and response to prey abundance: towards an ecologically-based agricultural practice. <i>Ornis Mongolica</i> 1: 63-66.</li> <li>16. Manohar, M., E.A.L. Lim, A.G. Arni, S.J. Badariah, N.I. Fatimah, M.Z. Fauzi, J.J. Libes, A. Nursyadq, R. Muneleswar &amp; <b>C.L. Puan</b>. 2012. Review on wildlife value orientation for ecotourism resource management.</li> </ol>
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	<p>Malaysian Forester 75(1): 1-13.</p> <p>17. Jambari, A., B. Azahar, N.L. Ibrahim, S. Jamian, A. Hussin, <b>C.L. Puan</b>, M.N. Hafidzi, E. Yusof &amp; M. Zakaria. 2012. Avian biodiversity and conservation in Malaysian oil palm production areas. <i>Journal of Oil Palm Research</i> 24: 1277-1286.</p> <p>18. <b>Puan, C.L.</b>, A.W. Goldizen, M. Zakaria &amp; G.S. Baxter. 2011. Understanding of relationships between ground cover and rat abundances: an integrative approach for management of the oil palm agroecosystem. <i>Crop Protection</i> 30(10): 1263-1268.</p> <p>19. <b>Puan, C.L.</b>, A.W. Goldizen, M. Zakaria, M.N. Hafidzi &amp; G.S. Baxter. 2011. Relationships among rat numbers, abundance of oil palm fruit and damage levels to fruit in an oil palm plantation. <i>Integrative Zoology</i> 6(2): 130-139.</p> <p>20. <b>Puan, C.L.</b>, A.W. Goldizen, M. Zakaria, M.N. Hafidzi &amp; G.S. Baxter. 2011. Absence of differential predation on rats by Malaysian barn owls in oil palm plantations. <i>Journal of Raptor Research</i> 45(1): 71-78.</p> <p>21. Azhar, B., M. Zakaria, E. Yusof &amp; <b>C.L. Puan</b>. 2008. Using deterministic sustainability indices for harvesting red junglefowl, <i>Gallus gallus gallus</i> (Linnaeus) in Peninsular Malaysia. <i>Malaysian Forester</i> 71(2): 159-171.</p> <p>22. Azhar, B., M. Zakaria, E. Yusof &amp; <b>C.L. Puan</b>. 2008. Efficiency of fixed-width transect and line-transect-based distance sampling to survey red junglefowl (<i>Gallus gallus spadiceus</i>) in Peninsular Malaysia. <i>Journal of Sustainable Development</i> 1(2): 63-73.</p> <p>23. Azhar, B., M. Zakaria &amp; <b>C.L. Puan</b>. 2007. Estimating the island population density and abundance of red junglefowl (<i>Gallus gallus</i>): biological indicator for sustainable managed oil palm plantations? <i>Malayan Nature Journal</i> 59(4): 281-296.</p> <p>24. <b>Puan, C.L.</b> &amp; M. Zakaria. 2007. Perception of visitors towards the role of zoos: a Malaysian perspective. <i>International Zoo Yearbook</i> 41: 226-232.</p> <p>25. Zakaria, M., <b>C.L. Puan</b> &amp; Y. Muhammad Ezhar. 2006. Understorey bird species as indicators of tropical forest ecosystem health. <i>Journal of Ornithology</i> 147(5) Suppl. 1: 113-114.</p> <p>26. <b>Puan, C.L.</b>, A.G. Awang Noor, M. Zakaria, M.N. Khamurudin &amp; M. Abdullah. 2006. Economic valuation on protected area: towards bridging the gaps between scientific findings and environmental policy. <i>Journal of Wildlife and Parks</i> 23: 91-99.</p> <p>27. Azhar, B., E. Yusof, M. Zakaria &amp; <b>C.L. Puan</b>. 2006. Microclimatic changes and vegetation structure in forest edge: the case of Krau Wildlife Reserve, Pahang. <i>Malaysian Forester</i> 69(2): 131-137.</p> <p>28. Zakaria, M., <b>C.L. Puan</b> &amp; S. Wong. 2006. Comparison of non-volant small mammal composition in primary and logged-over forest of Sungai Lalang Forest Reserve, Selangor. <i>Malaysian Forester</i> 69(2): 139-144.</p> <p>29. <b>Puan, C.L.</b> &amp; M. Zakaria. 2006. Willingness-to-pay for the protection of a bird sanctuary: perspectives from birdwatchers and non-birdwatchers. <i>Malayan Nature Journal</i> 59(1): 81-92.</p> <p>30. Zakaria, M., <b>C.L. Puan</b> &amp; Y. Muhammad Ezhar. 2005. Comparison of species composition in three forest types: towards using bird as indicator of forest ecosystem health. <i>Journal of Biological Sciences</i> 5(6): 734-737.</p> <p>31. <b>Puan, C.L.</b>, M. Zakaria, A.G. Awang Noor &amp; M. Abdullah. 2005. Contingent valuation of a Malaysian highland forest: non-market benefits accrued to local residents. <i>Journal of Applied Sciences</i> 5(5): 916-919.</p> <p>32. <b>Puan, C.L.</b>, M. Zakaria, A.G. Awang Noor &amp; M. Abdullah. 2004. Valuing the opportunities of wildlife-based recreation in Fraser's Hill as support for nature conservation. <i>Journal of Biological Sciences</i> 4(5): 598-604.</p>
<i>Books/Monographs</i>	<p>1. <b>Puan, C.L.</b>, 2013. Integrating Ecology into Rodent Pest Management in Oil Palm Agroecosystem. Universiti Putra Malaysia Press, Serdang.</p> <p>2. Zakaria, M., <b>C.L. Puan</b> &amp; C.A. Yeap. 2008. A Photographic Guide to Birds of Ayer Hitam Forest Reserve, Selangor. Universiti Putra Malaysia Press, Serdang.</p>
<i>Chapter in books</i>	<p>1. <b>Puan, C.L.</b>, M. Zakaria, A.G. Awang Noor &amp; M. Abdullah. 2006. Conservation Value of Highland Protected Area: The Case of Fraser's Hill, Malaysia. In O. Sahir, Y. Siti Hawa, E. Sivananthan, M.N. Shukor, A. Norhayati &amp; M.S. Shahrul Anuar (Eds.). <i>Management and Status of Resources in Protected Areas of Peninsular Malaysia</i>, 1<sup>st</sup> Protected Areas Series. Department of Wildlife and National Parks (PERHILITAN) Peninsular Malaysia, Kuala Lumpur. pp. 11-25.</p> <p>2. Shahrul Anuar, M.S., M.N. Shukor, M. Nor Zalipah, E. Nurul 'Ain, Yusof Ahmad, A. Rahim, <b>C.L. Puan</b>, O. Yusof, A. Nazri &amp; S. Kalimuthu. 2005. Bird Survey of Gunung Stong Permanent Forest Reserve. In M.I. Shahrudin, H.T. Dahalan, S. Abdullah Sani, M.S. Jalil, I. Faridah-Hanum &amp; A. Latiff (Eds.). <i>Taman Negeri Gunung Stong, Kelantan: Pengurusan, Persekitaran Fizikal, Biologi dan Sosio-ekonomi</i>, 5<sup>th</sup> Forest Biological Diversity Series. Forestry Department of Peninsular Malaysia, Kuala Lumpur. pp. 215-226.</p>
<i>Proceedings</i>	<p>1. Nagalingam, P., S.M.A. Babjee, J. Abu &amp; <b>C.L. Puan</b>. 2014. Diversity of Parasites in Barn Owls (<i>Tyto alba</i>) in Bukit Cheraka Oil Palm Estate, Kuala Selangor, Malaysia. In R. Abdullah et al. (Eds.). 9<sup>th</sup> Proceedings of the Seminar on Veterinary Sciences, Faculty of Veterinary Medicine, Universiti Putra Malaysia, Serdang, 24-28 February. pp. 140-144.</p> <p>2. Elnohi, M.Y., A.A. Saleha, A. Jalila, S. Khairani-Bejo, <b>C.L. Puan</b>, M.I. Jalo &amp; N. Fauziah. 2013. Wild Birds as a Probable Source of Colonization of <i>Campylobacter</i> in Poultry. In L.H. Idris, H.A. Hassim, M.H.M. Noor, M. Mazlan, H. Ahmad, M.H. Bejo &amp; Z. Idrus (Eds.). <i>Proceedings of World's Poultry Science Association (Malaysia Branch) and World Veterinary Poultry Association (Malaysia Branch) Scientific Conference 2013: Advancing Poultry Production for Food Security</i>, Faculty of Veterinary Medicine, Universiti Putra Malaysia, Serdang, 30 November-1 December. pp. 130-131.</p> <p>3. Zolkanain, N.H., <b>C.L. Puan</b>, P. Pilla &amp; M. Zakaria. 2013. Preliminary Estimation of Sunda Scops Owl's Home Range in an Isolated Forest. In F.S. Lai, R. Halis, S.N.A. Bakar, S. Ramachandran &amp; <b>C.L. Puan</b> (Eds.). <i>Proceedings of the International Forestry Graduate Students' Conference 2013: Navigating Knowledge Exchange for Future Excellence</i>, Universiti Putra Malaysia, Serdang, 2-4 July. pp. 32-35.</p> <p>4. Pilla, P., <b>C.L. Puan</b>, N.H. Zolkanain &amp; M. Zakaria. 2013. Estimating Density of Sunda Scops Owl Using Call</p>

	<p>Playback Method. In F.S. Lai, R. Halis, S.N.A. Bakar, S. Ramachandran &amp; <b>C.L. Puan</b> (Eds.). Proceedings of the International Forestry Graduate Students' Conference 2013: Navigating Knowledge Exchange for Future Excellence, Universiti Putra Malaysia, Serdang, 2-4 July. pp. 41-44.</p> <p>5. Hassan, S.N.A.S., <b>C.L. Puan</b> &amp; B. Azhar. 2013. Preliminary Estimation of Nocturnal Bird Density in Oil Palm Agroecosystem. In F.S. Lai, R. Halis, S.N.A. Bakar, S. Ramachandran &amp; <b>C.L. Puan</b> (Eds.). Proceedings of the International Forestry Graduate Students' Conference 2013: Navigating Knowledge Exchange for Future Excellence, Universiti Putra Malaysia, Serdang, 2-4 July. pp. 50-53.</p> <p>6. Zakaria, M., <b>C.L. Puan</b> &amp; S.A. Jamaludin. 2006. Habitat Characteristics of Rufous-winged Flycatcher (<i>Philentoma pyrhopterum</i>) in the Logged Over Forest of Sungai Lalang Forest Reserve, Semenyih, Selangor. In W. Ratnam, K. Nadarajah, A.S. Norrakiah, M.H. Zeti Azura &amp; M. Ahmad Daman Huri (Eds.). Proceedings of the Eighth National Symposium on Biology: Indigenous Biological Research for National Development, Universiti Kebangsaan Malaysia, Bangi, 5-6 December. pp. 1-4.</p> <p>7. <b>Puan, C.L.</b>, M. Zakaria &amp; A. Badrul. 2006. Owl Species Composition in Isolated and Continuous Forests. In W. Ratnam, K. Nadarajah, A.S. Norrakiah, M.H. Zeti Azura &amp; M. Ahmad Daman Huri (Eds.). Proceedings of the Eighth National Symposium on Biology: Indigenous Biological Research for National Development, Universiti Kebangsaan Malaysia, Bangi, 5-6 December. pp. 1-4.</p> <p>8. <b>Puan, C.L.</b> &amp; M. Zakaria. 2006. Composition of Owl Species (Tytonidae and Strigidae) in Ayer Hitam Forest Reserve, Selangor: A Preliminary Survey. In Proceedings of the Third Life Sciences Postgraduate Conference: Life Sciences: Moving in Synchrony with the Changes in the World, First USM-Penang International Postgraduate Convention: Innovating Research through Scientific and Technological Interchanges, Universiti Sains Malaysia, Penang, 24-27 May.</p> <p>9. Zakaria, M., <b>C.L. Puan</b> &amp; Y. Muhammad Ezhar. 2005. Specialised Avifauna of Peat Swamp Forest in Sungai Bebar, Pahang. In A. Latiff, A.H. Khali, A. Norhayati, M.S. Mohd. Nizam, A.N. Toh &amp; K.G. Savinder (Eds.). Biodiversity Expedition Sungai Bebar, Pekan, Pahang. Summary Findings. PSF Technical Series No. 4. Peat Swamp Forest Project, UNDP/GEF Funded, in collaboration with the Pahang Forestry Department and Universiti Kebangsaan Malaysia. pp. 163-166.</p> <p>10. Zakaria, M., <b>C.L. Puan</b> &amp; Y. Muhammad Ezhar. 2005. Bird as Indicator of Forest Ecosystem Health. In A.R. Sahibin, S. Salmijah, A. Md. Pauzi, S. Abd. Rahim, M.R. Abd. Ghani, W. Ratnam, A.G. Idris, M.Z. Badrul Munir, M.S. Mohd. Nizam, A.A. Kee Alfian &amp; Y.F. Ng (Eds.). Proceedings of the Second Regional Symposium on Environment and Natural Resources: Natural Resource Utilisation and Environmental Preservation: Issues and Challenges, Vol. 1, Universiti Kebangsaan Malaysia, Bangi, 22-23 March. pp. 246-253.</p> <p>11. <b>Puan, C.L.</b>, M. Zakaria, A.G. Awang Noor &amp; M. Abdullah. 2005. Estimating the Non-market Benefits of Montane Forest Protection: A Comparison of On-site Visitors and Off-site Residents. In A.R. Sahibin, S. Salmijah, A. Md. Pauzi, S. Abd. Rahim, M.R. Abd. Ghani, W. Ratnam, A.G. Idris, M.Z. Badrul Munir, M.S. Mohd. Nizam, A.A. Kee Alfian &amp; Y.F. Ng (Eds.). Proceedings of the Second Regional Symposium on Environment and Natural Resources: Natural Resource Utilisation and Environmental Preservation: Issues and Challenges, Vol. 2, Universiti Kebangsaan Malaysia, Bangi, 22-23 March. pp. 326-330.</p> <p>12. <b>Puan, C.L.</b> &amp; M.F. Chuang. 2004. Comparison of Insect Diversity and Abundance on Different Tree Barks. In R.D. Harrison (Ed.). Proceedings of the International Field Biology Course 2004, Lambir Hills National Park, Sarawak, 15 July-14 August. pp. 81-86.</p> <p>13. <b>Puan, C.L.</b>, A.S. Siti Nurasmah &amp; A. Ushihara. 2004. Comparison of Fruit Syndromes among Figs. In R.D. Harrison (Ed.). Proceedings of the International Field Biology Course 2004, Lambir Hills National Park, Sarawak, 15 July-14 August. pp. 30-33.</p> <p>14. <b>Puan, C.L.</b>, A.S. Siti Nurasmah &amp; A. Ushihara. 2004. Tenom Agricultural Park and Gardens. In R.D. Harrison (Ed.). Proceedings of the International Field Biology Course 2004, Lambir Hills National Park, Sarawak, 15 July-14 August. p. 25.</p> <p>15. <b>Puan, C.L.</b>, A.S. Siti Nurasmah &amp; A. Ushihara. 2004. Rafflesia Centre. In R.D. Harrison (Ed.). Proceedings of the International Field Biology Course 2004, Lambir Hills National Park, Sarawak, 15 July-14 August. p. 25.</p> <p>16. <b>Puan, C.L.</b>, M. Zakaria, A.G. Awang Noor &amp; M. Abdullah. 2004. Environmental Attitudes and Willingness-To-Pay for Highland Conservation: The Case of Fraser's Hill, Malaysia. In S.S. Lee, H. Aminah, H. Norini, S.C. Lim &amp; H.F. Lim (Eds.). Proceedings of the Conference on Forestry and Forest Products Research (CFFPR 2003): Forestry for Society, Forest Research Institute Malaysia (FRIM), Kuala Lumpur, 6-8 October 2003. pp. 369-384.</p>
<p><i>Other publications</i></p>	<p>1. Yee, S.A., <b>C.L. Puan</b>, P.K. Chang &amp; B. Azhar. 2015. Vocal Individuality of Sunda Scops Owl (<i>Otus lempiji</i>) in Peninsular Malaysia. Paper presented at the 9<sup>th</sup> ARRCN Symposium 2015: Global Raptor Migration – Better Monitoring for Conservation. 21-25 October, 2015. Novotel Chumphon Beach Resort and Golf, Chumphon, Thailand. Organized by Asian Raptor Research and Conservation Network (ARRCN) and the Flyway Foundation in partnership with Chumphon Province, Tourism Authority of Thailand, Ministry of Tourism and Sports, Kasetsart University, Mahidol University, King Mongkut's University of Technology Thonburi, Kasem Bundit University, the National Institute of Development Administration (NIDA), Thailand Convention and Exhibition Bureau, and the Bird Conservation Society of Thailand (BCST).</p> <p>2. Yahya, M.S., <b>C.L. Puan</b>, B. Azhar, M. Zakaria &amp; S.N. Atikah. 2015. Abundance of Spotted Wood Owl (<i>Strix seloputo</i>) in Relation to Environmental Factors in Malaysian Oil Palm Smallholdings. Paper presented at the 9<sup>th</sup> ARRCN Symposium 2015: Global Raptor Migration – Better Monitoring for Conservation. 21-25 October, 2015. Novotel Chumphon Beach Resort and Golf, Chumphon, Thailand. Organized by Asian Raptor Research and Conservation Network (ARRCN) and the Flyway Foundation in partnership with Chumphon Province, Tourism Authority of Thailand, Ministry of Tourism and Sports, Kasetsart University, Mahidol University, King Mongkut's University of Technology Thonburi, Kasem Bundit University, the National Institute of Development Administration (NIDA), Thailand Convention and Exhibition Bureau, and the Bird Conservation Society of Thailand (BCST).</p> <p>3. Zakaria, M. &amp; <b>C.L. Puan</b>. 2015. Biodiversity Management for Economic Goods and Ecosystem Services. Keynote speech presented at the International Conference on Biodiversity and Conservation 2015 (ICBC 2015). 26-28 May, 2015. Convocation Hall, E-Learning Building, Tanjong Malim, Perak. Organized by Centre of Biodiversity and Conservation, Faculty of Science and Mathematics, Universiti Pendidikan Sultan Idris (UPSI).</p> <p>4. <b>Puan, C.L.</b>. 2015. Why Owls? Using Nocturnal Birds to Improve Nature Conservation in Malaysia. Paper presented</p>

at the 7<sup>th</sup> International Global Challenges University Alliance (GCUA) Workshop: Why Wildlife? Global Opportunities and Challenges. 26-29 April, 2015. Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden. Organized by Swedish University of Agricultural Sciences (SLU).

5. **Puan, C.L.** 2013. Relationships among Rodents, Owls, Oil Palm Fruit and Vegetation: The Need of Integrating Ecology into Pest Management in Agroecosystem. Paper presented at the International Seminar on Promoting Environmentally Friendly Agricultural Pest Management. 10-14 November, 2013. Council of Agriculture, Taipei, Taiwan. Organized by Raptor Research Group of Taiwan and Department of Zoology, Tel Aviv University.
6. **Puan, C.L., D.L. Yong & K.C. Lim.** 2012. Distribution and Conservation Status of Resident Night Birds in Malaysia. Paper presented at the International Ornithological Congress of Southeast Asia (IOCSEA). 27-29 November, 2012. Khao Lak Laguna Resort, Phang Nga, Thailand. Organized by Prince of Songkla University, Uln University and Harrison Institute.
7. **Puan, C.L.** 2012. Research on Nocturnal Raptors: Challenges and Current Techniques. Paper presented at the Seminar on Malaysian Ornithology: Current Status and Conservation Challenges. 9 July, 2012. Sultan Idris Shah Forestry Education Centre (SISFEC), Ayer Hitam Forest Reserve, Puchong, Selangor. Organized by Faculty of Forestry, Universiti Putra Malaysia; & Malaysian Nature Society (MNS).
8. **Puan, C.L., C.A. Yeap, K.C. Lim, A.T. Lim, C.S. Chong & N. Cheung.** 2012. Abundance and Migration Timing of Oriental Honey-buzzard: Five Years of Raptor Counts at Tanjung Tuan, Peninsular Malaysia. Paper presented at the Seventh ARRCN Symposium on Asian Raptors: Raptor Migration and Conservation in Asia. 13-16 January, 2012. Grace Hill (Ganghwa) and Hantan River Spa Hotel (Cheorwon), Republic of Korea. Organized by Asian Raptor Research and Conservation Network (ARRCN); National Park Research Institute; & Ornithological Society of Korea.
9. **Puan, C.L.** 2011. Using Avian Predators in Biological Control Practice: The Malaysian Experience. Invited paper presented at the Conference on Raptor Pest Control: Future for Cross-border Co-operation. 25-27 October, 2011. Holiday Inn Resort, Dead Sea, Jordan. Organized by Amman Center for Peace and Development; & German Hanns Seidel Foundation.
10. **Puan, C.L.** 2011. Nocturnal Raptors of Malaysia: Conservation Status and Potential Research. Paper presented at the Post ARRCN Seminar – Diurnal and Nocturnal Raptors of Malaysia: Conservation Status and Research. 28 March, 2011. Bilik Jemaah, Faculty of Veterinary Medicine, Universiti Putra Malaysia, Serdang. Organized by Centre for Tropical Animal Production and Disease Studies (CENTRAS), Faculty of Veterinary Medicine, Universiti Putra Malaysia; Asian Raptor Research and Conservation Network (ARRCN); & Malaysian Nature Society (MNS).
11. **Puan, C.L., G. Baxter, A.W. Goldizen, M. Zakaria & M.N. Hafidzi.** 2010. Owl Predatory Behaviour and Responses to Prey Abundance: Towards an Ecologically-based Agricultural Practice. Paper presented at the Sixth International Conference on Asian Raptors – Asian Raptors: Science and Conservation for Present and Future. 23-27 June, 2010. Ulaanbaatar, Mongolia. Organized by Asian Raptor Research Conservation Network (ARRCN), Mongolian Ornithological Society, National University of Mongolia, Ministry of Nature, Environment and Tourism & Mongolian Academy of Sciences.
12. **Puan, C.L., G. Baxter, M.N. Hafidzi, A.W. Goldizen & M. Zakaria.** 2008. Relationships between Rodent Abundance, Fruit Density and Damage: Towards Understanding of Numerical and Functional Responses in a Plantation System. Paper presented at the Seventh International Conference on Plant Protection in the Tropics: Update on GAP in IPM. 27-29 August, 2008. Nikko Hotel, Kuala Lumpur, Malaysia. Organized by Malaysian Plant Protection Society (MAPPS).
13. **Humam, M., M.N. Hafidzi & C.L. Puan.** 2008. Evidence of Functional and Numerical Response of Barn Owl, *Tyto javanica*, to Rat Abundance. Poster presented at the Seventh International Conference on Plant Protection in the Tropics: Update on GAP in IPM. 27-29 August, 2008. Nikko Hotel, Kuala Lumpur, Malaysia. Organized by Malaysian Plant Protection Society (MAPPS).
14. **Lee, S.Y., M. Zakaria, M.N. Hafidzi & C.L. Puan.** 2008. Abundance of Rats (*Rattus* spp.) in Relation to Fruit Bunch Damage in Oil Palm Plantation. Poster presented at the Seventh International Conference on Plant Protection in the Tropics: Update on GAP in IPM. 27-29 August, 2008. Nikko Hotel, Kuala Lumpur, Malaysia. Organized by Malaysian Plant Protection Society (MAPPS).
15. **Puan, C.L. & M. Zakaria.** 2007. Distribution and Conservation Status of Owls in Malaysia. Paper presented at the World Owl Conference 2007: Owls, Ambassadors for the Protection of Nature in Their Changing Landscapes. 31 October-4 November, 2007. Martiniplaza, Groningen, Netherlands. Organized by Birdlife the Netherlands, Center for Biological Diversity - Global Owl Project (GLOW) & World Owl Trust.
16. **Zakaria, M., C.L. Puan & Y. Muhammad Ezhar.** 2005. In Search of Montane Bird Species in Gunung Jerai, Kedah. Paper presented at the Seminar on Biological Diversity Scientific Expedition to Gunung Jerai Forest Reserve, Kedah. 27-29 November, 2005. Swiss Inn Hotel, Sungai Petani, Kedah, Malaysia. Organized by Kedah State Government, Forestry Department of Peninsular Malaysia and Kedah & Universiti Kebangsaan Malaysia.
17. **Zakaria, M., C.L. Puan & Y. Muhammad Ezhar.** 2005. Bird as Indicator of Forest Ecosystem Health. Poster presented at the Symposium on Tropical Rainforest Rehabilitation and Restoration: Existing Knowledge and Future Directions. 26-28 July, 2005. Shangri-La's Tanjung Aru Resort, Kota Kinabalu, Sabah, Malaysia. Organized by Yayasan Sabah, World Wide Fund for Nature Malaysia (WWF), Sabah Forestry Department & Food and Agriculture Organization of the United Nations (FAO).
18. **Zakaria, M., C.L. Puan & Y. Muhammad Ezhar.** 2005. Fauna of Ayer Hitam Forest Reserve, Puchong, Selangor. Poster presented during the 34<sup>th</sup> World Forestry Day Celebrations, Selangor State Level 2005. 28 April, 2005. Ayer Hitam Forest Reserve, Puchong, Selangor. Organized by Selangor Forestry Department & Faculty of Forestry, Universiti Putra Malaysia.
19. **Zakaria, M., C.L. Puan & Y. Muhammad Ezhar.** 2005. Bird as Indicator of Forest Ecosystem Health. Poster presented at the Exhibition of Invention, Research & Innovation UPM 2005. 16-18 March, 2005. Faculty of Forestry, Universiti Putra Malaysia. Organized by Research Management Centre, Universiti Putra Malaysia.
20. **Puan, C.L., M. Zakaria, A.G. Awang Noor & M. Abdullah.** 2005. Estimating the Conservation Value of Fraser's Hill, Pahang Using Contingent Valuation Method. Poster presented at the Exhibition of Invention, Research & Innovation UPM 2005. 16-18 March, 2005. Faculty of Forestry, Universiti Putra Malaysia. Organized by Research Management Centre, Universiti Putra Malaysia.

<b>H. PROJEK PENYELIDIKAN TERDAHULU</b> ( <i>Past Research Project</i> )					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
05-01-04-SF0740	Evaluation on the Reproductive Performance and Health Status of the Barn Owl Sustainable Biological Control of Rats	Co-researcher	2007	MOSTI	Completed
Tan Kean Cheong Bird Conservation Memorial Fund	Density of Forest Owls	Principal Investigator	2011	Malaysian Nature Society (MNS)	Completed
03-01-11-1151RU	Density and Habitat Use of Forest Owls in an Isolated Forest in Malaysia	Principal Investigator	2011	Research University (RUGS)	Completed
-	Insectivorous Bird Populations in Oil Palm Plantations	Co-researcher	2013	Malaysian Palm Oil Board (MPOB)	On-going
07-01-13-1184FR	Mapping of Owl Distribution Based on Radio-telemetry: Using Nocturnal Birds as Indicator of Forest Health	Principal Investigator	2013	FRGS (MOHE)	Completed
Putra Grant	Population Genetics of Bulbuls using Next Generation Sequencing in Klang Valley, Selangor	Principal Investigator	2016	Universiti Putra Malaysia	On-going
Tan Kean Cheong Bird Conservation Memorial Fund	Population Genetics of Malaysian Forest Bulbuls	Principal Investigator	2016	Malaysian Nature Society (MNS)	On-going