

# **CURRICULUM VITAE**

**(as in December 2015)**

**KA-YAN NG, CONNIE**

Ka-Yan NG, Connie (伍家恩)

## **PROFESSIONAL EXPERIENCE**

**Member of Marine Turtle Specialist Group** (by nomination), Nov 2013 - present

**Species Survival Commission (SSC) of IUCN, the International Union for Conservation of Nature**

- To develop and support strategies, set priorities, and provide tools that promote and guide the conservation of marine turtles, and their ecological roles and habitats.

**Nature Conservation Officer** (Full-time), July 2014 – present

**Agriculture, Fisheries and Conservation Department (AFCD), Hong Kong SAR Government**

- Providing professional ecological advice on environmental impact assessment and other development-related cases; expertise advice on tree felling applications and unauthorized tree felling cases to protect forests and countryside
- Conducting expertise surveys in connection with vetting ecological assessment and habitats of conservation importance
- Dealing with public enquiries in terms of nature conservation

**Wetland and Fauna Conservation Officer** (Full-time), Dec 2009 – July 2014

**Agriculture, Fisheries and Conservation Department (AFCD), Hong Kong SAR Government**

- Devising and implementing conservation plan of local fauna, with particular reference to herpetofauna namely Sea Turtles, Burmese Pythons and Freshwater Turtles
- Formulating and implementing management plan of the Mai Po Inner Deep Bay Ramsar Site under the International Treaty Ramsar Convention
- Supervising baseline ecological monitoring programme of the Ramsar Site
- Conducting and publicizing the findings of scientific research studies on local herpetofauna in pamphlets, newsletters and peer-reviewed journals
- Reinforcing collaboration of conservation efforts on herpetofauna species among concerned parties and nations

- Evaluating and providing professional comments on environmental impact assessment and research projects with regard to herpetofauna and the Ramsar Site

**Field Officer II** (Full-time), Nov 2009 – Dec 2009

**Agriculture, Fisheries and Conservation Department (AFCD), Hong Kong SAR Government**

- Conducting tree assessment and biodiversity survey
- Making recommendations on ecological assessment in response to development

**Ecological Surveyor** (Full-time), Jan 2009 – Oct 2009

**Agriculture, Fisheries and Conservation Department (AFCD), Hong Kong SAR Government**

- Performing territory-wide biodiversity survey, in particular Amphibians and Reptiles
- Undertaking statistical data analysis and graphical expression using ArcMap
- Assisting in formulation of species action plan on conservation of biodiversity

**Ecological Interpreter** (Part-time), Sep 2008 – Jan 2009

**World Wide Fund for Nature Hong Kong (WWF-HK)**

- Organizing and leading eco-tours in the Mai Po Inner Deep Bay Ramsar Site

**Research Assistant** (Part-time), Aug 2008 – Dec 2008

**Department of Biology, Marine Science, the Chinese University of Hong Kong (CUHK)**

- Conducting underwater ecological surveys, data analysis (e.g. PRIMER, SPSS) and paper writing
- Organizing conferences and seminars

**Teaching Assistant** (Part-time), Aug 2006 – Aug 2008

**Department of Biology, the Chinese University of Hong Kong (CUHK)**

- Instructing undergraduate students about techniques in conducting ecological surveys on coastal ecosystems (e.g. mangroves and coral communities), laboratory experiments (e.g. AIA water nutrient analysis), and statistical data analysis (e.g. SPSS)

**Secretariat of First Asian-Pacific Coral Reef Symposium, 2006**

**Department of Biology, the Chinese University of Hong Kong (CUHK)**

- Carrying out an array of administrative functions
- Designing posters, souvenirs and display boards
- Manufacturing publication materials (e.g. abstract books and leaflets)

**Field Officer** (Full Time Internship), Jun 2004 - Aug 2004

**Hong Kong Wetland Park of Agriculture, Fisheries and Conservation Department (AFCD)**

- Conducting ecological surveys (bird, butterfly, dragonfly, plant) and habitat management in wetland and associated habitats; and processing analysis of ecological data
- Assisting in the husbandry of the captive animals, in particular freshwater turtles
- Organizing and leading eco-tours for the public community

**Piano Tutor** (Part-time, Self-employed), Aug 2003 – Jan 2009

- Teaching piano skills and theories, especially targeted to children and youths

## **ACADEMIC BACKGROUND**

<b>Year</b>	<b>Institution</b>	<b>Qualification</b>
2011-2015	The City University of Hong Kong	Doctor of Philosophy in Biology and Chemistry – Thesis title on Conservation Implications of the Genetic Structure and Habitat Use of Green Turtles ( <i>Chelonia mydas</i> ) in the South China Region and Baseline Contaminant Levels in Green Turtles and Burmese Pythons ( <i>Python bivittatus</i> )
2006-2009	The Chinese University of Hong Kong	Master of Philosophy in Biology – Thesis title on Faunal Community Structure Associated with the Bed of Subtropical Brown Seaweed <i>Sargassum siliquastrum</i> (Trun.) Ag. In Hong Kong Eastern Waters, HKSAR (Overall GPA: 3.75)
2003-2006	The Chinese University of Hong Kong (CUHK)	Bachelor of Science with Honours (Major: Environmental Science, First Class; Minor: French Studies) (Major GPA: 3.77/ Overall GPA: 3.63)

## **RESEARCH-RELATED SKILLS, EXPERIENCE, and TRAINING**

<b>Research skills and experience</b>	<ul style="list-style-type: none"><li>• Taxonomy identification of Zooplankton (South China Sea Institute of Oceanology, Guangzhou of China)</li><li>• Advanced Scuba Diver (NAUI)</li><li>• ArcGIS professional training, ESRI China (Hong Kong) Ltd. (2011-2013)</li><li>• Research skills on Sea Turtles (Attachment to Mr. George Balazs of Pacific Islands Fisheries Science Centre (PIFSC), NOAA, Honolulu of Hawaii) (Jan, 2010)</li><li>• Satellite tagging of loggerhead turtles (Research project on oceanic movements of loggerhead in the Pacific and Sea of Japan jointly undertaken by Port of Nagoya Public Aquarium of Japan and PIFSC of NOAA) (Jul, 2011)</li><li>• International Workshop on Necropsy and Rescue of Stranded Sea Turtles, National Museum of Marine Biology, Taiwan. (Oct, 2011)</li><li>• International Conference on Deriving Environmental Quality Standards for the Protection of Aquatic Ecosystems (EQSPA-2011), Workshop on Derivation and Application of Water Quality Guidelines, University of Hong Kong, HKSAR. (Dec, 2011)</li><li>• Scientific research project on sea turtles with the Huidong Gangkou National Nature Reserve, Guangdong Province, China (Feb 2012 to present, on-going)</li><li>• Investigative trip for sea turtles and Consultation with NGO SeaTurtles 911 in Hainan Island, China (Feb, 2012)</li></ul>
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	<ul style="list-style-type: none"> <li>• Consultation with Chief Veterinarian of Yehliu Ocean World on Rehabilitation of Sea Turtles in Taiwan (2012 to present)</li> <li>• Training Workshop on Statistical Design and Analysis for Biological and Environmental Monitoring, the University of Hong Kong (Aug, 2012)</li> <li>• Asia Pacific Veterinary Conference, BITEC, Bangkok, Thailand. (Oct 10-12, 2012)</li> <li>• Consultation with Local Conservationists for Sea Turtles on Liuchiu Island and Penghu Islands, Taiwan (2012 to present)</li> <li>• Scientific research project on sea turtles with the National Museum of Marine Biology and Aquarium, Taiwan (Jan 2013 to present, on-going)</li> <li>• Scientific research project on sea turtles with the Penghu Marine Biology Research Centre, Fisheries Research Institute, COA, Taiwan (2013)</li> <li>• Manager, China Collection at the Library of Seaturtle.org <a href="http://www.seaturtle.org/library/">http://www.seaturtle.org/library/</a> (Jul 2013 to present, on-going)</li> <li>• Presentation at 25th Japanese Sea Turtle Symposium, Amami Oshima, Japan.</li> </ul>
<b>Research</b>	<ul style="list-style-type: none"> <li>• Sea Turtle Biology and Conservation</li> </ul>
<b>Interest</b>	<ul style="list-style-type: none"> <li>• Veterinary Science and Medicines, in particular reptiles</li> <li>• Wildlife Management</li> </ul>
<b>Languages</b>	Fluent in writing, reading and speaking of English, Cantonese and Mandarin Chinese
<b>PC Skills</b>	Word, Excel, PowerPoint, ArcGIS, Photoshop, Statistical tools (e.g. SPSS, PRIMER)
<b>Others</b>	<ul style="list-style-type: none"> <li>• Type II Driving Licence (Able to operate private car and van)</li> <li>• Command of piano-, saxophone- and ukulele-playing</li> </ul>

### **AWARDS and DISTINCTIONS**

<b>Year</b>	<b>Institution/ Organization</b>	<b>Award/ Distinction</b>
2007	AFCD & Ocean Park Hong Kong	Outstanding Marine Life Photo (Open)
2006	1 <sup>st</sup> Asian-Pacific Coral Reef Symposium	Best Student Award for Oral Presentation
	British Council & University of Cambridge	Scored 7.0 in IELTS
2005	Hong Kong Cycling Association	Certificate in Cycling Proficiency
2004-2006	The Chinese University of Hong Kong	Dean's List for outstanding academic performance
2001	LCCI Examinations Board	Pass with Distinction in Book-keeping and Accounts (2 <sup>nd</sup> level)
2001	Informatics International, Singapore	Certificate in completion of course in Macromedia Dreamweaver 4 and Flash 5
2000	Department of Health, HKSAR Government	Certificate in Student Health Ambassador Basic Training Course
1999	International Examinations Board of the Trinity College	ATCL diploma in Pianoforte
1997	Associated Board of the Royal Schools of Music	Pass with Distinction in Grade 8 Pianoforte
1999-2003	Lion & Globe Educational Trust	Hong Kong Outstanding Students Award
	Annual Hong Kong Schools Music	Third in Female Voice Duet

**OTHER PROFESSIONAL**

<b>Year</b>	<b>Institution/ Organization</b>	<b>Participation</b>
2014-now	Journal Pacific Science	Reviewer for the Editor of Pacific Science
2014-now	Journal Micronesica	Reviewer for the Editor of Micronesica
2013	International Sea Turtle Society	Candidate for Board of Directors
2012	Smarties', Ming Pao Newspaper, Hong Kong	Interviewee of a newspaper article "Rescue of Wildlife as an Occupation"
2008	Radio Television Hong Kong	Footage production on a series of marine conservation
	Hong Kong Bird Watching Society	Bird-watching Competition
2006-2008	Hong Kong Auxiliary Medical Services	Grade I Officer
	AFCD & Reef Check Foundation Hong Kong - China	Team Scientist and Leader of Reef Check
2005	Hong Kong Bird Watching Society	Bird-watching Competition
	WCPA/IUCN – 5 <sup>th</sup> Conference on Protected Areas of East Asia	Organizer Assistant
2005	The Iron Man of Science Competition, The Chinese University of Hong Kong	Instructor
2004-2008	Hong Kong Wetland Park	Environmental Interpreter
2004	Ocean Park Hong Kong Conservation Foundation	Marine Conservation Workshop
1999-2003	Joint School Science Exhibition Committee	Demonstrator and illustrator of scientific experiments
	Tsuen Wan Government Secondary School	Captain of Camphor House School Prefect Chairman of Environmental Education Team Advisor and Chairman of Chinese Orchestra Vice-Chairman of Health & Sex Education Team School Athletic Team & Volleyball Team Committee Member of Students' Association

## **PUBLICATIONS**

**Ng KY** (2015) Conservation Implications of the Genetic Structure and Habitat Use of Green Turtles (*Chelonia mydas*) in the South China Region and Baseline Contaminant Levels in Green Turtles and Burmese Pythons (*Python bivittatus*). PhD dissertation, City University of Hong Kong, Hong Kong Special Administrative Region

**Ng, K.Y.**, Chen, T.H., and G.H. Balazs. (2014). Flying fish egg harvest off Keelung, Taiwan uncovers occurrence of pelagic-phase green turtles. *Marine Turtle Newsletter* 143: 14-15.

**Connie K.Y., NG**, Tsung-Hsien LI, George H. BALAZS, and Margaret B. MURPHY. (2013) Satellite tracking of rehabilitated sea turtles in the South China Sea. The Omics in the Ocean – the 5<sup>th</sup> International Symposium for Marine Biology and Biotechnology (Theme: The Opportunity and Challenge of Research and Conservation of Marine Organisms for Aquarium and Museum), the National Museum of Marine Biology and Aquarium, Taiwan. (Abstract)

**Connie K.Y., NG**, Peter H. DUTTON, Simon K.F. CHAN, K.S. CHEUNG, J.W. QIU, and Y.N. SUN. (2014) Characterization and Conservation Concern of Green Turtles (*Chelonia mydas*) Nesting in Hong Kong, China. *Pacific Science* 68(2): 231-243.

George H. BALAZS, **Connie K.Y., NG**, H.X. GU, and F.Y. ZHANG. (2013) The Xunlian Guangdong Province Experience: Releasing Sea Turtles For Restocking and Conservation Awareness in China. 33<sup>rd</sup> International Sea Turtle Symposium, Baltimore, U.S. (Abstract)

**Connie K.Y., NG**, and George H. BALAZS. (2013) Exploratory Trips for Sea Turtles in Guangdong Province, China – A Road to Conservation from Tradition, Culture and Science. (in both English and Chinese)

<http://akepa.hpa.edu/~mrice/st2.htm>

[http://www6.cityu.edu.hk/sklmp/sklmp\\_cn/dept\\_content\\_list.asp?type=list&btype=11&stype=48](http://www6.cityu.edu.hk/sklmp/sklmp_cn/dept_content_list.asp?type=list&btype=11&stype=48)

**Connie K.Y., NG**, and George H. BALAZS. (2013) From Traditional Culture to Science - Exploratory Trips for Sea Turtles in Taiwan. (in both English and Chinese)

<http://akepa.hpa.edu/~mrice/st.htm>

[http://www6.cityu.edu.hk/sklmp/sklmp\\_cn/dept\\_content\\_list.asp?type=list&btype=11&stype=48](http://www6.cityu.edu.hk/sklmp/sklmp_cn/dept_content_list.asp?type=list&btype=11&stype=48)

**Connie K.Y., NG**, and George H. BALAZS. (2013) Exciting observations of numerous green turtles foraging in coastal waters of Liuqiu Island, Taiwan. (in both English and Chinese)

<http://akepa.hpa.edu/~mrice/turtle/liuqiu.pdf>;

[http://www6.cityu.edu.hk/sklmp/sklmp\\_cn/dept\\_content\\_list.asp?type=list&btype=11&stype=48](http://www6.cityu.edu.hk/sklmp/sklmp_cn/dept_content_list.asp?type=list&btype=11&stype=48)

Aidia S.W., CHAN, **Connie K.Y., NG**, F.F., YEUNG, K.S., CHEUNG, Timothy F.N., LAM, T.H., FUNG, and Simon K.F., CHAN. (2012) Rare Lizard Found: Bogadek's Burrowing Lizard (*Dibamus bogadeki*, 香港雙足蜥). *Hong Kong Biodiversity Newsletter* 22. Agriculture, Fisheries and Conservation Department, Hong Kong

SAR Government.

(<http://www.afcd.gov.hk/english/conservation/hkbiodiversity/newsletters/files/IssueNo22.pdf>)

**Connie K.Y., NG.** Sea Turtle Conservation in Hong Kong SAR, China. Website of Indian Ocean – South-East Asian Marine Turtle Memorandum of Understanding. (Website: [http://www.ioseaturtles.org/pom\\_detail.php?id=115](http://www.ioseaturtles.org/pom_detail.php?id=115))

**Connie K.Y., NG,** Pamela Y.M. Wan. (2011). Public support results in the successful rescue of a juvenile Green Turtle (*Chelonia mydas*, 綠海龜). Hong Kong Biodiversity Newsletter 21. Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government. ([http://www.afcd.gov.hk/tc\\_chi/publications/publications\\_con/files/IssueNo21.pdf](http://www.afcd.gov.hk/tc_chi/publications/publications_con/files/IssueNo21.pdf))

Aidia S.W., CHAN, T.H., FUNG, **Connie K.Y., NG**, and Azaria K.Y. Wong. (2011) Rare Snakes Found: Mountain Keelback (*Amphiesma atemporale*, 無鰓鱗游蛇) and Northern Reed Snake (*Calamaria septentrionalis*, 鈍尾兩頭蛇). Hong Kong Biodiversity Newsletter Issue No. 21. Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government.

**Connie K.Y., NG.**, Simon K.F., CHAN, K.S., CHEUNG. (2011). Sea Turtle Conservation in Hong Kong SAR. The 31<sup>st</sup> International Sea Turtle Symposium at San Diego, California, United States. (Abstract)

**Connie K.Y., NG.** (2010). Hong Kong Living Fossil – Sea Turtles. Education Leaflet. Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government.

**Connie K.Y., NG.** (2009). The First Record of Chinese Broad-headed Pond Turtle (*Chinemys megalocephala*) in Hong Kong. Hong Kong Biodiversity Newsletter Issue No. 18. Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government. (<http://www.afcd.gov.hk/english/conservation/hkbiodiversity/newsletters/files/IssueNo18.pdf>)

K.S., CHEUNG, **Connie K.Y., NG**, Aidia S.W., CHAN, and W.S., TANG. (2009). The Omnivorous Behaviour of Big-headed Terrapin (*Platysternon megacephalum*) in Hong Kong. Hong Kong Biodiversity Newsletter Issue No. 18. Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government.

Simon K.F., CHAN, Aidia S.W., CHAN, K.S., CHEUNG, C.Y., HO, **Connie K.Y., NG** and W.S. TANG. (2009). The Skinks of Hong Kong. Hong Kong Biodiversity Newsletter Issue No. 17. Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government. (<http://www.afcd.gov.hk/english/conservation/hkbiodiversity/newsletters/files/IssueNo17.pdf>)

**Connie K.Y., NG** (2009). Faunal Community Structure Associated with the Bed of Subtropical Brown Seaweed *Sargassum siliquastrum* (Turn.) Ag. in Hong Kong Eastern Waters, HKSAR. Master of Philosophy Thesis. The Chinese University of Hong Kong.

**Connie K.Y., NG, Ang, P.O.** (2007). The Faunal assemblage structure in Hong Kong *Sargassum siliquastrum* Communities. The Biannual Conference of the Chinese Society of Limnology and Oceanography, Phycology Section. Holhot, Inner Mongolia, China. (Abstract)

**Connie K.Y., NG, Ang, P.O.** (2006). Competition between Scleractinian corals in Tung Ping Chau Marine Park, Hong Kong SAR, China. First Asian-Pacific Coral Reef Symposium, Hong Kong SAR, China. (Abstract)

**Connie K.Y., NG** (2005). Competition between Scleractinian Corals in Tung Ping Chau Marine Park, HKSAR. Final Year Project Report. The Chinese University of Hong Kong.

## **PRESENTATIONS**

<b>Year</b>	<b>Topic and Occasion of Presentation</b>
2014	<ul style="list-style-type: none"> <li>● Conservation Biology of Globally Endangered Sea Turtle in Hong Kong and southern China. 25<sup>th</sup> Japanese Sea Turtle Symposium, Amami Oshima, Japan.</li> <li>● Sea Turtles and Connection with People in China. Seminar for divers in Hong Kong.</li> <li>● Sea Turtle Conservation in Hong Kong. Seminar for government officers of Hong Kong and Guangdong</li> </ul>
2013	<ul style="list-style-type: none"> <li>● Baseline Ecological Monitoring Programme for the Mai Po Inner Deep Bay Ramsar Site, Hong Kong SAR, China. The Symposium on Deep Bay Wetland Conservation. The University of Hong Kong and Worldwide Fund for Nature (Hong Kong).</li> <li>● Sea Turtle Loves to Go Home – Sea Turtle Conservation. Public Seminar on Marine Parks and Marine Ecological Resources of AFCD and Woodside Biodiversity Education Programme.</li> </ul>
2011	<ul style="list-style-type: none"> <li>● Studies on Stranded and Rescued Sea Turtles in Hong Kong SAR. International Workshop on Necropsy and Rescue of Stranded Sea Turtles, National Museum of Marine Biology, Taiwan.</li> <li>● Sea Turtle Conservation in Hong Kong SAR. The 31<sup>st</sup> International Sea Turtle Symposium at San Diego, California, United States.</li> </ul>
2011	<ul style="list-style-type: none"> <li>● Sea Turtle Conservation in Hong Kong SAR, China. The Sea Turtle Conservation and Integrated Marine Management International Workshop, Huidong of China. (Conducted in both English and Mandarin)</li> <li>● The Living Fossil in Hong Kong – Sea Turtle. Public Seminar on Marine Parks and Marine Ecological Resources of AFCD</li> </ul>
2010	Sea turtle biology and ecology. Public Seminar on Marine Parks and Marine Ecological Resources of AFCD and Science Talk Series of Science Museum of Hong Kong.
2008	Seaweed biology and ecology. Public Seminar on Marine Parks and Marine Ecological Resources of AFCD
2007	The Faunal assemblage structure in Hong Kong <i>Sargassum siliquastrum</i> Communities. The Biannual Conference of the Chinese Society of Limnology and Oceanography, Phycology Section. Holhot, Inner Mongolia, China.
2006	Competition between Scleractinian corals in Tung Ping Chau Marine Park, Hong Kong SAR, China. First Asian-Pacific Coral Reef Symposium, Hong Kong SAR, China.