

<u>Academic Staff</u>	<u>Titles</u>
Ashton L A	Is moth diversity maintained in remnant forest patches of Hong Kong?
Ashton L A	How does disturbance impact the pitcher plant food webs of Hong Kong
Ashton L A	Plant-herbivore food webs across a disturbance gradient in Hong Kong
Ashton L A	Drought effects on container habitats in Hong Kong (For BIOL 4991)
Ashton L A	Termites and microbes as decomposers in Hong Kong (For BIOL 4991)
Baker D M	Assessing the impact of water quality on coral nutrition and physiology (biochemistry)
Baker D M	Long-term records of sewage pollution in corals from the Mexican Caribbean (stable isotope analysis)
Baker D M	Historical reconstructions of marine invertebrate abundance in Hong Kong (historical ecology)
Bonebrake T C	Light pollution impacts on moths and insects
Bonebrake T C	Diversity of arthropod taxa in Hong Kong forests
Bonebrake T C	Thermal variation across forest microclimatic gradients
Bonebrake T C	Urban biodiversity in Hong Kong parks
Bonebrake T C	Butterfly morphology across thermal gradients
Bonebrake T C	Operative temperatures of congeneric skinks
Cannicci S	Feeding behaviour of fiddler crabs: an agricultural revolution going on?
Cannicci S	Hong Kong mangrove ecosystem functions: natural vs replanted stands
Cannicci S	Home sweet home: the significance of crab burrow for their terrestrial life style
Cannicci S	Haberma tingkok, unveil the everyday life of the only Hong Kong arboreal crab
Chan C B	Regulation of fatty acid-induced endoplasmic reticulum stress in skeletal muscle (For BIOL 4992)
Chan C B	Hormonal regulation in muscle aging (For BIOL 4993)
Chow B K C	optogenetic modifications of class B GPCRs: The project intend to modify class B GPCR structures by genetic means to activate these receptors by light
Dingle C	Effects of noise pollution on urban wildlife (Not limited to birds! Could look at frogs, insects, etc.)
Dingle C	Behavioural ecology of urban birds
Dingle C	Market analysis and impacts of the cage bird trade on wild populations
Dingle C	Feeding ecology of resident and migratory populations of birds (field observations and isotope analysis)
Dingle C	Using isotopes to determine breeding origin of birds wintering in Hong Kong
Dingle C	Effects of light pollution on the behavior of urban wildlife (particularly bats and birds)
Dingle C	Genetic analysis to determine geographic origin of introduced bird species in Hong Kong
Dingle C	Microplastics in the foodchain (in collaboration with Dr Christelle Not in DES)
Dudgeon D	Do invasive fishes affect the diets of native species in HK streams? (For BIOL 4991)
Dudgeon D	Trophic basis of production of macroinvertebrates in HK marshlands as revealed by stable-isotope analysis (For BIOL 4991)
Dudgeon D	Temporal trends in the magnitude and composition of freshwater capture fisheries in China, and their conservation implications (For BIOL 3991)
Dudgeon D	Invasive tilapias in Asia: what, where and how? (For BIOL 3991)
EI-Nezami H	Non alcoholic fatty liver disease a target for dietary intervention
Gaitan-Espitia J D	Seascape genetics in East Asia: Assessing the role of habitat loss, fragmentation, urbanization and connectivity on marine biodiversity. Target groups will be co-supervised by: Prof Gray A Williams (Intertidal molluscs); Dr David Baker (Corals); Dr Bayden Russell (Echinoderms and seaweeds); Dr Stefano Cannicci (Crabs); Dr V. ThiyagaRajan (Oysters)
Gaitan-Espitia J D	Invasive species and human-driven range shifts: An Eco-Evo framework
Gaitan-Espitia J D	Physiological flexibility and thermal adaptation in highly fluctuating environments

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Gaitan-Espitia J D	Wise Investing - Development, Growth and Reproduction: Exploring the energy allocation principle in a changing world
Gaitan-Espitia J D	Eco-physiology of seaweeds and sea grasses in Asia
Gaitan-Espitia J D	Host-microbiome interactions: Structure and function
Gaitan-Espitia J D	Evolution of mitochondrial genomes
Gaitan-Espitia J D & Celia Schunter	Seascape Genetics of tropical fish species (For BIOL 4991)
Gaitan-Espitia J D & Celia Schunter	Assessing marine biodiversity through environmental DNA (For BIOL 4991)
Guenard B	Ecological impacts of invasive ants on arthropods and wildlife (For BIOL 3991 or BIOL 4991)
Guenard B	Diversity of ants in urban environments, is it just low and exotic? (For BIOL 3991 or BIOL 4991)
Guenard B	Ant-Hemipteran mutualism: its importance within Hong Kong habitats (For BIOL 4991)
Guenard B	Ant-plant interactions, which benefits for the plants? (For BIOL 3991 or BIOL 4991)
Guenard B	Chemical warfare in ants: how a single Goliath deal with an army of David? (For BIOL 4991)
Guenard B	Sociometry and morphometry of Asian ants (For BIOL 4991)
Guenard B	Taxonomic revisions of Asian ants: describing the species. (For BIOL 4991)
Guenard B	Island biogeography in Hong Kong ants (For BIOL 4991)
Guenard B	Foraging Ecology of ants (For BIOL 3991 or BIOL 4991)
Guenard B	Importance of social insects in the diet of vertebrates (For BIOL 3991)
Guenard B	How many ants does the world supports? (For BIOL 4991)
Guenard B	Ecophysiology of native and exotic species: is climatic plasticity explaining invasion success? (For BIOL 4991)
Habimana O	Characterizing the gene expression response of planktonic Escherichia coli cells following their interaction with model resident biofilms
Lee Jetty C Y	Interaction of lipid mediators derived from a linolenic acid in cardiomyocytes (For BIOL 4992)
Lee Jetty C Y	Role of adrenic acid in oxidative stressed neuronal cells (For BIOL 4992)
Lee Jetty C Y	Development of recipes to enrich nutritional values in meals for subjects potentially at risk of developing chronic disease (For BIOL 4992)
Leung Kenneth	Ecological engineering of shorelines (For BIOL 3991 or BIOL 4991)
Leung Kenneth	Microplastics from vehicle tyres and their ecotoxicity (For BIOL 3991 or BIOL 4991)
Leung Kenneth	Ecology of a invasive mussel <i>Xenostrobus securis</i> (For BIOL 4991)
Leung Kenneth	Can predatory snails eat soup? (For BIOL 4991)
Leung Kenneth	Ecotoxicology of retinoids to marine organisms (For BIOL 4991)
Leung Kenneth	Ecological restoration with bivalves (For BIOL 3991 or BIOL 4991)
Leung Kenneth	Fish gut microbiomes (For BIOL 4991)
Lim B L	The use of in planta sensors to study the energy metabolism of plants (For BIOL 4993)
Lim B L	The interaction of plant organellar membranes under various stresses (For BIOL 4993)
Lo Clive S C	Molecular analysis of flavonoid biosynthesis in the grass family
Lui W Y	Unraveling the function of coxsackievirus and adenovirus receptor (CXADR) in testes using knockout mice models
Sin Simon Y W	Behavioural ecology of birds
Sin Simon Y W	Genetic basis and evolution of animal coloration
Sin Simon Y W	Phylogeography of avian species
Sin Simon Y W	Host-pathogen co-evolution in avian/mammalian species
Sin Simon Y W	Behaviour of animals in captivity: Implications in conservation-based breeding programmes

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Schunter C	Marine mercy release practices in Hong Kong (For BIOL 4991)
Schunter C	Marine genomics - de novo transcriptome assembly for different tissues of a marine fish (For BIOL 4991)
Vengatesen T	Seafood safety and climate change
Williams G A	Why hermit crabs stand? An investigation on the thermoregulatory function of standing behaviour in hermit crabs (Project co-supervised with Dr Hui Tin Yan Tommy)
Williams G A	Obtaining water from sand: A comparative study on the ventral setal patch in Ocypodidae and Dotillidae (Project co-supervised with Dr Hui Tin Yan Tommy)
Williams G A	Water loss and desiccation resistance of intertidal molluscs: the main cause of zonation patterns?
Williams G A	Thermal images – how cool are they? (an experimental test of the quality of thermal imaging)
Williams G A	Thermal stress on Hong shores: are winters limiting?
Williams G A	How important is the crab, <i>Grapsus albolineatus</i> in intertidal assemblage structure?
Williams G A	Foot area vs wave exposure in the same species of limpet – or across a tidal gradient in different species of limpet
Williams G A	Cirrial length vs. wave exposure in the same barnacle species
Williams G A	Hermit crab standing behaviour as a response to thermal stress
Wong A O L	Production of recombinant hormones of fish origin in <i>E. coli</i> and validation of their bioactivity in mammalian cell culture and fish models
Wu Jin	Monitoring plant phenology from individual tree crowns to ecosystem scales (For BIOL 3991)
Wu Jin	Exploring climatic and anthropogenic controls on vegetation dynamics in Hong Kong over past three decades (For BIOL 3991)
Wu Jin	Remote sensing of invasive species (For BIOL 4991)
Wu Jin	Remote Sensing of Plant Diversity: from species richness to functional diversity (For BIOL 4991)
Wu Jin	Forest health monitoring and early warning (For BIOL 3991 + BIOL 4991)
Yasuhara M	Late Quaternary ostracode paleoecology in the Southern Ocean, or other oceans (e.g., Indonesian Throughflow regions, Nordic Seas, Sea of Japan, etc.)
Yasuhara M	Tropical marine biodiversity research using modern and fossil ostracods
Yasuhara M	Ordovician marine ostracod paleontology
Yasuhara M	Other topics related to paleoecology, biodiversity, and taxonomy of marine ostracodes
Yuen Karen W Y	Cellular mechanisms in anoxia-induced suspended animation and recovery
Yuen Karen W Y	De novo centromere formation mechanisms
Zheng Chaogu	Molecular mechanisms of axonal regeneration (For BIOL 4993)
Zheng Chaogu	Modeling human neurodegenerative diseases using <i>C. elegans</i> (For BIOL 4993)
Zheng Chaogu	Genetic basis of cell fate specification and neuronal morphogenesis (For BIOL 4994)