

# Alice Catherine Hughes

## Principal Investigator Landscape Ecology Group & Associate Professor

*Centre for Integrative Conservation, Xishuangbanna Tropical Botanical Garden , Chinese Academy of Sciences*

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### ***Editorial positions***

***Associate Editor:*** *Journal of Animal Ecology*

***Specialist Editor:*** *Ecosystem Health and Sustainability*

*Checklist*

***Editor:*** *Heliyon (Elsevier)*

*Ecotropica*

### ***Board membership positions***

*Association of Tropical Biology and Conservation (ATBC)*

*Asian Society for Conservation Biology (SCB)*

*Society for Tropical Ecology (GTOE)*

*International Network for Next Generation Ecologists (INNGE)*

*Early Career Scientist Network of Networks Executive board*

*IUCN Leader of the Young Professionals Network of the Commission for Ecosystem management & Core member Resilience Theme group*

***Past Secretary(2015-2017)***

*ATBC Asia-Pacific Chapter*

***Chair:***

***ATBC***

*ATBC Asia-Pacific Chapter*

*Capacity Building Committee*

*Meetings Committee (Co-Chair)*

### ***Additional ATBC Board positions***

*Young Scientists (SECSI chapter)*

*Strategic working group*

*Conservation Council*

*Strategic Conservation council*

**SCB**

*Education and Training (Officer)*  
*Conferences Committee*

### **INNGE**

*Interdisciplinary group Chair*

### **Other positions**

**Key Person:** *ALERT (Alliance of Leading Environmental Researchers and Thinkers)*  
**Executive Secretary General** *China Biodiversity Conservation and Green Development Foundation*

**Honorary research Fellow**, *University of Bangor*;  
**Honorary research Associate** *University of Groningen*  
**Vice-director** *PFS program for Tropical Field-Studies.*  
*IUCN Commission on Ecosystem Management*

### **Education and Employment:**

2015: *Group Leader Landscape Ecology Group, XTBG, Chinese Academy of Sciences.*  
2015: *Honorary Research Associate Groningen University.*  
2014: *Associate Professor, XTBG, Chinese Academy of Sciences.*  
2014: *Honorary Research Associate, Bangor University.*  
2013: *Assistant Professor, XTBG, Chinese Academy of Sciences.*  
2013 June-August: *Research Mentor: OTS-Duke NAPIRE REU*  
2012-2013: *OCE Post-doctoral Fellow CSIRO, Canberra, Australia*  
2011-2012: *PSU Post-doctoral Fellowship, Prince of Songkla University, Thailand*  
2011-2013: *Research Associate, University of Bristol, UK*  
2007-2011: *Bristol University, PhD.*  
2004-2007: *Bristol University-Bachelor of science Zoology 1<sup>st</sup> class Honours*  
2004: *Southampton University (Compass)- Higher diploma in Animal behaviour - Distinction*

### **Publications and prizes**

2010, *Best student oral presentation at the 15th International Bat Research Conference in Prague.*  
\*Denotes corresponding author on papers I am not 1<sup>st</sup> Author

*Please see the ALERT site for ALERT blog contributions. Further blogs include International rivers, ISSC, the Conversation and others-links available on request.*

*For recent publications please see: [https://www.researchgate.net/profile/Alice\\_Hughes2](https://www.researchgate.net/profile/Alice_Hughes2)*

**Hughes., A.C.** (2017) *Global roadless areas: Hidden roads. Science 355, 6332:1381*

**Hughes, A.C.** (2017) *Mapping priorities for conservation in Southeast Asia, Biological Conservation, 209, 395–405*

**Hughes, A.C.**, (2017) *Understanding the drivers of Southeast-Asian biodiversity loss. Ecosphere* 8(1):e01624. 10.1002/ecs2.1624

Souter, N., **A.C. Hughes.**, T. Savini, M. Rao., E. Goodale., A. Van Nice., N. Huang., J.X. Liu., M. Hunt., D. O'Connor, A. L. Heung-Lam., G. Guen., S. YoUeng, I. Silva (In Press) *Building conservation capacity in Southeast Asia: outcomes of the ATBC 2015 Asia-Pacific Chapter meeting conservation education symposium. Transects. Applied Environmental Education & Communication*

Caddy-Retalic., S., A. Andersen., M.J. Aspinwall., M.F. Breed., M. Byrne., M.J. Christmas., N. Dong., B. Evans., D.A. Fordham., G.R. Guerin., A.A. Hoffmann., **A.C. Hughes.**, S. Van Leeuwen., F. Mcinerney., S.M. Prober., M. Rossetto., P.R. Rymer., D.A. Steane., G.M. Wardle., A.J. Lowe (In Press) *Bioclimatic transect networks: powerful observatories of ecological change. Ecology and Evolution.*

Jia L\*, **A.C. Hughes\***, D. Dudgeon (In review) *Mapping wader biodiversity along the East Asia – Australasia Flyway. Diversity and Distributions*

Krizler T., J. A. G. Tabora., **A.C. Hughes\*** (In review) *Bat Cave Vulnerability Index (BCVI): A proposed rapid assessment tool to identify priorities for effective cave conservation in the tropics. Ecological Indicators*

Padmanaba, M., A.C. Hughes, K.W. Tomlinson., R. T. Corlett (In Review) *Alien plant invasions of protected areas in Java. Scientific Reports*

Russo., D., L. Ancillotto, **A.C. Hughes**, E. Mori (In review) *Opening a Pandora's box: the collection of voucher specimens in bat research and its potential ethical implications. Mammal Review*

Zheng-Hong T., A.C. Hughes., T. Sato., YP. Zhang., S. J Han., Y. Kosugi., M. Goulden., X.B. Deng, M. Cao, ZQ. Hao., YH Hu., G.R. Yu, KP. Ma. (In Press) *Quantifying forest net primary production: combining eddy flux, inventory and metabolic theory. iForest - Biogeosciences and Forestry*

Li, B. V., **Hughes, A. C.**, Jenkins, C. N., Ocampo-Peñuela, N., & Pimm, S. L. (2016). *Remotely Sensed Data Informs Red List Evaluations and Conservation Priorities in Southeast Asia. PloS one, 11(8), e0160566.*

Li, S., **Hughes, A. C\***, Su, T., Anberrée, J. L., Oskolski, A. A., Sun, M., ... & Zhou, Z. (2016). *Fire dynamics under monsoonal climate in Yunnan, SW China: Past, present and future. Palaeogeography, Palaeoclimatology, Palaeoecology. <http://www.sciencedirect.com/science/article/pii/S0031018216306411>*

**Hughes, A.C.**, (In review *Diversity and Distributions*) *Putting biodiversity on the map,*

**Hughes, A.C.**, (In review) *Selling off a Country. How corruption is selling off Cambodia's Biodiversity*

**Hughes, A.C.** *A new explanation for global patterns of biodiversity, endemism and resilience (In prep)*

**Hughes, A.C.** *New perspectives on the biodiversity and biogeography of Southeast Asia (In prep)*

**Hughes , A.C.** Can't see the forest for the trees. Requested submission, *Ecology Letters*

**Hughes, A.C.**, *Going up in the world: understanding the interaction of latitude and altitude in determining species distributions (in prep: ecology letters)*

Mohandass, D., **Hughes, A.C.**, Davidar, P. (2016) Flowering and fruiting patterns of woody species in the tropical montane evergreen forest of southern India. *Current science* 111(2):404-416

Beng, K.C., Tomlinson, K.W., Shen, X.H., Surget-Groba, Y., **Hughes, A.C.**, Corlett, R.T. & J.W. Ferry Slik (2016) The utility of DNA metabarcoding for studying the response of arthropod diversity and composition to land-use change in the tropics. *Scientific Reports*: 6:24965; DOI: 10.1038/srep24965

Kusch, S., Fleming, A., Cradock-Henry, N., Schmitz, N., Pereira, L., Vogt, J., Lim, M., Kharrazi, A., Etoh, C.J., Hamel, P., Dogra, A., Mukherjee, N., Onzere, S., Mahomoodally, F., **Hughes, A.C.**, Bowen, K., Tironi, A., Smith, K., Hoffenson, S., Udenigwe, C.C. (2016) Sustainability in a changing world: integrating human health and wellbeing, urbanisation, and ecosystem services. UN Policy brief: <https://sustainabledevelopment.un.org/index.php?page=view&type=111&nr=9490&menu=35>

Tan, Z. H., Deng, X. B., **Hughes, A.**, Tang, Y., Cao, M., Zhang, W. F., & Zhao, J. F. (2015). Partial net primary production of a mixed dipterocarp forest: Spatial patterns and temporal dynamics. *Journal of Geophysical Research: Biogeosciences*, 120(3), 570-583.

Tan, Z. H., Wu, Z.X., La, G. Y., Yang, C., Tao, Z.L., Chen, B.Q., Tian, Y.H., Song, L., Zhao, J.F., **Hughes, A.**, Yang, Y.Y. (In Review). On the ratio of intercellular to ambient CO<sub>2</sub> (ci/ca) derived from ecosystem flux measurements

White, R., Sutton, A., Salguero-Gómez, R., Bray, T., Campbell, H., Cieraad, E., Geekiyanage, N., Gherardi, L., **Hughes, A.C.**, Søgaard Jørgensen, P., Poisot, T., DeSoto, L. Zimmerman, N., (2015) The next generation of action ecology: novel approaches towards global ecological research. *Ecosphere*, 6(8), art134.

Wilson, M. C., Chen, X. Y., Corlett, R. T., Didham, R. K., Ding, P., Holt, R.D., Holyoak, M., Jiang, L., Hu, G., **Hughes, A.C.**, Laurance, W.F., Liu, J., Pimm, S., Robinson, S.K., Russo, S.E., Si, X., Wilcove, D.S., Wu, J., Yu, M. (2015) Habitat fragmentation and biodiversity conservation: key findings and future challenges. *Landscape Ecology*, 1-9.

Mohandass, D., **Hughes, A.C.**, Mackay, B, Davidar, P, & Chhabra, T. (2016) Floristic species composition and structure of a mid-elevation tropical montane evergreen forests (shola) of the Western Ghats, southern India. *Tropical Ecology* 57(3):533-543

Deng, XB, Mohandass, D. Katabuchi, M, Hughes, A.C, Roubik, D. (2016) Effects of striped-squirrel nectar-robbing behaviour on reproductive success of *Alpinia roxburghii* Sweet. (Zingiberaceae) in tropical seasonal rainforest of south-west China. *PLoS ONE* 10(12):e0144585

Deng, X., Deng, W., Hughes, A. C., & Mohandass, D. (2015). Diverse nectar robbers on *Alpinia roxburghii* Sweet (Zingiberaceae). *Journal of Asia-Pacific Biodiversity*, 8(3), 238-241.

Andersen, A. N., Aspinwall, M. J., Breed, M. F., Byrne, M., Caddy-Retalic, S., Dong, N. Evans, B. J., Guerin, G., Fordham, D. A., Hoffmann, A. A., **Hughes, A. C.**, Lowe, A. J., McInerney, F., Prober, S. M., Rossetto, M., Rymer, P., & Steane, D. A., van Leeuwin, S. I. (In review-TREE) Bioclimatic gradients as observatories for a predictive understanding of ecosystem adaptive capacity. *Frontiers in Ecology and Environment*.

Corlett, R.T. and **Hughes, A. C.** (2014) Mammals in forest ecosystems. In: Peh, K. S.-H., Corlett, R.T. & Bergeron, Y. (eds.) *The Routledge Handbook of Forest Ecology*. Routledge, Oxford, UK

Corlett, R.T. and **Hughes, A. C.** (2014) Subtropical forests. In: Peh, K. S.-H., Corlett, R.T. & Bergeron, Y. (eds.) *The Routledge Handbook of Forest Ecology*. Routledge, Oxford, UK

Kitching, R.L. Nakamura, A., Yasuda, M., **Hughes, A.C.**, Cao Min (2015) The answer lies in the soil: environmental determinism of community structure across trophic levels. *Journal of Tropical Ecology*; 31(1):81-89

Mohandass, D., Puyravaud, J-P, **Hughes, A.C.**, Davidar, P, Ganesh, P, Campbell, M. 2014. Edge transition impacts on swamp plant communities in the Nilgiri Mountains, southern India. *Applied Ecology and Environmental Research* 12: 909-929.

Mohandass, D., **Hughes, A.C.**, Campbell, M, Davidar, P. 2014. Effects of patch size on liana diversity and distributions in the tropical montane evergreen forests of the Nilgiri Mountains, southern India. *Journal of Tropical Ecology* 30: 579–590.

Mohandass, D., **Hughes, A.C.**, Beng, K.C. Increasing high altitudinal gradients changes liana diversity following anthropogenic disturbances in the tropical montane evergreen forests of the Western Ghats, southern India. *Process of submission to Forest Ecology and Management*

Mohandass, D., **Hughes, A.C.**, X.S.Chen, Qing-Jun Li. Relationship between flowering and fruiting patterns with climatic factors and phylogeny in the tropical seasonal rainforest of south-west China. *Plant Ecology & Evolution (resubmission)*

Mohandass, D. **Hughes, A.C.**, Prasad P.R.C & Davidar, P. Relative contribution of edge and forest interior diversity with increasing patch size on montane forest woody trees, southern India, *Plant Biosystems (submitted)*

Mohandass, D., **Hughes, A.C.**, Qing-Jun Li. Annual variation in reproductive phenology, reproductive success and pollinator behaviour of *Acanthus leucostachyus* in the tropical seasonal rainforest of south China. *Process of submission to Annals of Botany*

Jones, K.E., Russ, J.A., Bilhari, Z., Catto, C., Csoz, I., Gorbachev, A., Gyorfı, P., **Hughes, A.**, Ivashkiv, I., Koryagina, N., Kurali, A., Langton, S., Maltby, A., Margina, G., Pandourski, I., Parsons, S., Prokofev, I., Szodoray-Paradi, A., Szodoray-Paradi, F., Taras-Bashta, A., Tilova, E., Walters, C., Weatherill, A., Zavarzin, O. (2013) Monitoring ultrasonic biodiversity: using bats as biodiversity indicators. In: *Biodiversity monitoring and conservation: bridging the gaps between global commitment and local action* (Eds. Collen, B, P. et al.). Blackwell Press, London.

**Hughes, A.C., Satasook, A, Bates, PJJ, Bumrungsri, S & Jones, G. (2012)** 'The projected effects of climatic and vegetation changes on the distribution and diversity of Southeast Asian bats', *Global Change Biology*, 18(6), (pp. 1854-1865).

**Hughes A.C. (2012).** *Mapping a Future for Southeast Asian Biodiversity*, Zoology, Maria-Dolores Garcia (Ed.), ISBN: 978-953-51-0360-8, InTech, Available from:  
<http://www.intechopen.com/books/zoology/mapping-a-future-for-southeast-asian-biodiversity>

**Hughes, A.C., Satasook, C., Bates, P.J.J., Bumrungsri, S., Jones, G. (2011)** Explaining the causes of the zoogeographic divide at the Isthmus of Kra: using bats as a case study. *Journal of Biogeography*, 38, 2362–2372

**Hughes, A.C., Satasook, A, Bates, PJJ, Soisook, P, Sritongchuay, T, Jones, G & Bumrungsri, S. (2011)** 'Using echolocation calls to identify Thai bat species: Vespertilionidae, Emballonuridae, Nycteridae and Megadermatidae', *Acta Chiropterologica*, 13(2), (pp. 447-456),

**Hughes, A.C., Satasook, C., Bates, P.J.J., Soisook, P., Sritongchuay, T., Jones, G., and Bumrungsri, S. (2010)** Echolocation call analysis and presence-only modelling as conservation monitoring tools for rhinolophoid bats in Thailand. *Acta Chiropterologica*, 12, 311-327.

## **Selected media attention**

<http://www.nature.com/news/will-china-s-new-ivory-controls-make-a-difference-1.17692>

<http://news.sky.com/video/1438063/ecologist-on-extinction-threat>

<http://sverigesradio.se/sida/gruppsida.aspx?programid=3304&grupp=15227&artikel=5795763>

<https://theconversation.com/stop-the-slaughter-of-african-elephants-by-banning-the-ivory-trade-for-good-65743>

<http://blog.worldsocialscience.org/2016/09/building-conservation-capacity-across-the-global-tropics/>

Other blogs available on request

## **Teaching and Fieldcourses**

### **Fieldcourses coordinated**

2016: AFEC-X 6 week fieldcourse October-November

2016: SCCS Beijing-chair

2015: AFEC-X 6 week fieldcourse October-November

2014: AFEC-X 6 week fieldcourse October-November

AWEC Intensive 10 day workshop. October

The Ecology of climate change in the Tropics and Subtropics (in collaboration with the OTS) 4 week course June-July

2013: AFEC-X 6 week fieldcourse October-November

### **Workshops taught**

**2017**

February UMNC Tropical Ecology Fieldcourse, Krau, Malaysia

**2016**

Bat ecology & Spatial Ecology: 10 days, Suranaree University of Science and Technology

August-SCB China Chapter Conservation biology course.

July-6 day Spatial Ecology workshop, XTBG China

July- 5 day Spatial Ecology workshop, National University of Singapore, Singapore

June- 5 day Fundamentals of GIS workshop, CEFE Montpellier, France

May, Spatial Ecology and Biogeography workshop; The Biogeography of Ecology; International Biogeography Society Special meeting Beijing.

March, 5 Days Fundamentals of Ecology Undergraduate course, Da Yeh University, Taiwan.

January UMNC Tropical Ecology Fieldcourse

**2015**

November SCCS Beijing Trainer

November-December: Co-coordinated AFEC-X 2015@ XTBG

July, Coordinated training and mentoring programs for ATBC Annual meeting, Hawaii

March, Led one day workshop for Early Career ecologists, ATBC AP Conference Phnom Penh

March, Led 6 day workshop on Fundamentals of spatial ecology at ATBC AP Conference Phnom Penh

**2014**

September, Led a 1 day workshop on designing studies using species distribution modelling at the SCCS conference, Bangalore

August, Led a 4 day workshop on designing studies using species distribution modelling at the SCB conference, Melaka, Malaysia

July, Led a 5 day workshop on designing studies using species distribution modelling at the ATBC conference, Cairns

November-December: Co-coordinated AFEC-X 2014@ XTBG

June-July: Co-coordinated Ecology of Climate change in the tropics and subtropics @ XTBG

**2013**

November-December: Co-coordinated AFEC-X 2013 @ XTBG

June-August: OTS-Duke NAPIRE REU Research Mentor, and OTS Graduate course Resource person.

June: OTS-XTBG Tropical Biodiversity Initiative Workshop. San Jose and Las Cruces-Costa Rica.

March: Led a 2 day workshop on species distribution modelling and GIS, and spatial statistics at the ATBC Asia-Pacific Chapter meeting, Banda Aceh.

**2012**

August, Led a 1 day workshop on species distribution modelling and spatial statistics at the SCB Conference, Bangalore

August, Led a 2 day workshop on species distribution modelling and GIS, and spatial statistics at the Centre for Ecological Sciences, Indian Institute of Science

August, Led a ½ day workshop on designing studies using species distribution modelling at the SCCS conference, Bangalore

April-May: Led 3 day workshop species distribution modelling and GIS at the State University of Caraga, Mindanao, Philippines

April: Led ½ day workshop on developing an echolocation library for the conservation of Filipino bats at the Wildlife society of the Philippines conference, Das-Marinan University, Luzon, Philippines.

April: Led 5 day workshop in species distribution modelling and GIS at the University of Agriculture and Fisheries, Faisalabad, Pakistan

*March: Led 3 day workshop in species distribution modelling and GIS at the ATBC Asia Pacific Chapter meeting, XTBG, China.*

*SEAs (Ambassador for Science and Engineering)-STEMPOINT.*

**2010**

*Led a two day workshop for Southeast Asian students on “Predicting and interpreting species distributions, using ArcGIS and Maxent”. PSU Thailand.*

*2007-2010: Demonstration and support for undergraduate practical work. University tutor.*

*2010: National Environment Research Councils Environment “YES”*

*2009: Research Council UK’s national GRADschool.*

*2007: Librarian - University of Bristol.*

*2004-2011: Bristol zoo: Animal talks and encounters to the public and to school groups, and care for number of reptiles and invertebrates.*

*2004-Present: Wildlife and conservation seminars and lectures in schools, and at numerous science festivals.*

*2004-2005: Volunteer keeper, Birds section, Bristol Zoo and Gardens.*

*2004-2011: Volunteer with the SCA (Student Community Action, University of Bristol): Executive committee member in organization management.*

*Millennium volunteer award and an award for over 500 hours of volunteer work.*

*Help a wide spectrum of the local community, including young carers and children with learning disabilities.*

*2003-2004: Teaching assistant Elms school.*

## ***Successful Grants***

*2016: NSFC Yunnan grant: Yunnan Karst: appx 2Million RMB*

*2016: CASEABRI: Southeast Asian Karst: 500000RMB*

*2015: STS Grant: SEABA: Southeast Asian Atlas of Biodiversity: 1000000RMB*

*2014: NSFC Research Fellowship for International Young Scientists: 165000RMB*

*2013: NSFC Research Fellowship for International Young Scientists: 165000RMB*

*Chinese Academy of Sciences Research Fellowship visiting Young Scientists: 200000RMB*

*Chinese Academy of Sciences Grant (GJHZ201317) 400000RMB*

*2012: Bat Conservation International: Conservation grant with Muhammed Mahmood Ul’Hassan, University of Agriculture, Faisalabad, Pakistan*

*2011: British Ecological Society: £300, Attendance of the Southeast Asian bat conference. Bogor, Indonesia. June 2011.*

*2011: Perry society: £700, - attendance of the Southeast Asian bat conference. Bogor, Indonesia. June*

*2010. Bristol University Alumni travel grant to attend 15TH International bat conference. £500.*

*2008. Country researcher. PMI2 Connect Grant. British Council. £40,000.*

## ***International workshops attended***

*December 2016: CBD-COP13*

*November 2016: Future Earth ECR-NON Coordination meeting, Paris*

*November 2016: FAFU Workshop: Agricultural landscapes and ecosystem service delivery, Fuzhou, China*

*April 2016: Yunnan Biodiversity Hotspot, Dresden, Germany,*

*November 2015: International Rivers workshop: Biodiversity and Conservation in the Nujiang Basin*

*October 2015: The First world Forum of Ecosystem Governance, Beijing, China*

*October 2015: A sustainable future for the Nujiang Valley, Kunming, China*

*August 2015: Southeast Asian Biodiversity delegation-Bangkok, Thailand*

*August 2015: Yunnan Biodiversity Hotspot meeting, Kunming, China*

*May 2015: Future Earth Meeting at Villa Vigoni: Sustainable Development Goals*

*May 2015: Fragmented landscapes conference, Zhejiang, China*

*March 2015: Coordinated: Conservation on the Borders: a review of critical issues to transboundary conservation*

*August 2014: The velocity of Climate change-Imperial and Reading University UK*

*June 2014: Understanding the ecology of climate change-James Cook University, Australia,*

*May 2014: Using transects in ecological research-Adelaide University, Australia,*

## ***International Conferences organised***

*June-July: Coordinated 29 training events for over 350 people for the ATBC in Singapore & Montpellier*

*2016, November: TRF-CAS Biodiversity conference*

*2016, October: Sustainable Rubber conference*

*2016, July: Conservation Asia Conference Singapore.*

*2016, May: IBS Conference Beijing*

*2015, July: ATBC Conference, Hawaii*

*2015, March: ATBC-AP Conference, Phnom Penh, Cambodia*

*2015, March: Conservation on the Borders Conference, XTBC China*

## ***Selected conference presentations and invited seminars***

*2017*

**Hughes, A.C.** *New approaches to understand the impacts of fragmentation on the landscape scale. , GTO Conference, Brussels, February*

*2016*

**Hughes, A.C.** *Understanding the Southeast Asian Biodiversity Crisis, Suranaree University of Technology, December*

**Hughes, A.C.** *Priorities for forest and Karst conservation, University of Nanning, October*

**Hughes, A.C.** *Future generation perspective of ecosystem governance and its need. IUCN World Conservation Congress, Hawaii, September*

**Hughes, A.C.** *Karst off: evaluating the conservation needs of Southeast Asian Karsts, Conservation Asia Singapore, July*

**Hughes, A.C.** *Mapping the Migratory Passerines of Southeast Asia, Conservation Asia Singapore, July*

**Hughes, A.C.** *Falling through the Gaps: Mapping the conservation needs on Chinas Southern border, Conservation Asia Singapore, July*

**Hughes, A.C.** *Mapping diversity and distributions across spatio-temporal scales; capturing the details; ATBC Annual meeting, Montpellier, June*

**Hughes, A.C.** *Biodiversity conservation in southeast Asia, PLENARY Presentation; Conservation of China's Tropical Biodiversity Conference Duke Kunshan China. May*

**Hughes, A.C.** *Diversification and speciation. The Biogeography of Ecology; International Biogeography Society Special meeting Beijing. May*

**Hughes, A.C.** *Understanding changing patterns of diversity in Yunnan and beyond; Yunnan Biodiversity Hotspot, Dresden, Germany. April.*

**Hughes, A.C.** *Understanding Endemism, GTO Conference, Gottingen, February*

**Hughes, A.C.** *The planetary Boundaries: finding a new Normal in the Anthropocene. Invited seminar, IIASA, Austria, February*

2015

*Closing speech for First World Forum on Ecosystem Governance (IUCN & SFA), Beijing, November*

**Hughes, A.C.** *Patterns and Processes in Southeast Asian Biodiversity, Invited seminar, University of Hongkong, July*

**Hughes, A.C.** *The past present and future of Island ecosystems, ATBC Conference, Hawaii, July*

**Hughes, A.C.** *The Alpha, Beta, Gamma approach to conservation, ATBC Conference, Hawaii, July*

**Hughes, A.C.** *The greatest threats to Southeast Asian Biodiversity, Kapeolani Community college, Hawaii, July*

**Hughes, A.C.** *Basically It's complicated, EUMacro conference, Copenhagen, June*

**Hughes, A.C.** *Mapping the future of Biodiversity in a changing environment, Invited seminar, IIASA-Austria, June*

**Hughes, A.C.** *Environmental stability and biodiversity; GTO conference Zurich, April*

**Hughes, A.C.** *Onwards and upwards, ATBC-AP Phnom Penh, March*

**Hughes, A.C.** *Life in the matrix: how can we best protect biodiversity in an increasingly fragmented landscape, ATBC AP*

**Hughes, A.C.** *Developing key skills for the next generation of conservationists, ATBC AP*

**Hughes, A.C.** *New perspectives on the ecology and biogeography of Southeast Asian bats, ATBC AP*

2014

**Hughes, A.C.** *PLENARY PRESENTATION: Facing Current and future challenges to Southeast Asian Biodiversity, SCCS Beijing, 2014-Beijing Forum*

**Hughes, A.C.** *Mapping the challenges to Southeast Asian Biodiversity: Invited seminar Duke University, USA*

**Hughes, A.C.** *The Ecology of Southeast Asia: Invited seminar at Museum Fur Naturkunde, Germany*

**Hughes, A.C.** *Mapping the future for Southeast Asian bats 2014. 3rd Asian Society of Conservation Biology Conference, Melaka, Malaysia*

**Hughes, A.C. and Rao, M.** *The top then threats to Southeast Asian biodiversity 2014. 3rd Asian Society of Conservation Biology Conference, Melaka, Malaysia*

**Hughes, A.C.** *Latitude-altitude gradients: inferring the effects of climate change on biodiversity 2014. 51st Annual meeting of the Association of Tropical Biology and Conservation, Cairns, Australia.*

**Hughes, A.C.** *PLENARY PRESENTATION: Climate change and biodiversity in Mountain ecosystems 2014. International Symposium on Mountain Economy, Guiyang, China*

2013

**Hughes, A.C.** *Climate change in Cities workshop- Singapore. November 2013*

**Hughes, A.C.** *Exploring the potential effects of future environmental change on species diversity and distributions in Southeast Asia. IntEcol, ExCel, London, August 2013. Oral presentation.*

**Hughes, A.C.** *Predicting the patterns of Southeast Asian biodiversity into a changing future. **Tropical biodiversity in the 21st century symposium**, Natural History Museum London. June 2013. Oral presentation.*

**Hughes, A.C.** *Projecting the future of Southeast Asian diversity. **ATBC Asia-Pacific, Banda Aceh**, March 2013. Oral presentation.*

**Hughes, A.C.** *Past, present and future: projecting changing Southeast Asian vertebrate biodiversity patterns over time. **SCB Asia, Bangalore**, August 2012. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., and Bumrungsri, S.** *Cryptic clues to a complex question. ATBC AP Chapter meeting, **ATBC AP Chapter meeting, XTBG China**: March 2012. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., and Bumrungsri, S.** *Southeast Asian biodiversity and the potential effects of future environmental change on species diversity and distributions. **ATBC AP Chapter meeting, XTBG China**: March 2012. Oral presentation.*

*Chaired biogeography session at the ATBC AP Chapter meeting, XTBG China*

**Hughes, A.C., Satasook, C., Bates, P.J.J., and Bumrungsri, S.** *Cryptic clues to a complex question. **Advances in Biogeography, Oxford, UK**. September 2011. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., and Bumrungsri, S.** *The future of Southeast Asian Biodiversity. **Conservation outside protected areas conference. Oxford, UK**, September 2011. Poster*

**Hughes, A.C., Satasook, C., Bates, P.J.J., and Bumrungsri, S.** *The conservation and Biogeography of Southeast Asian bats. Spatial ecology and conservation conference. Birmingham, UK. September 2011. Poster*

**Hughes, A.C., Satasook, C., Bates, P.J.J., and Bumrungsri, S.** *The potential effects of environmental climatic and land cover changes on the diversity and distributions of Southeast Asian bats. BES Annual Symposium 2011: Forests and Global Change. Cambridge, UK. March 2011. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., and Bumrungsri, S.** *The potential effects of environmental changes on the diversity and distributions of Southeast Asian bats. Southeast Asian bat conference. Bogor June 2011. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., and Bumrungsri, S.** *Southeast Asian bat biodiversity, and an analysis of present and potential future threats. ATBC Chapter meeting. Bangkok, March 2011. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., Soisook, P., Sritongchuay, T., Jones, G., and Bumrungsri, S.** *The effects of future climatic and vegetation changes to the distribution and diversity of Southeast Asian bats. Species conservation in a changing climate. 3rd Annual Bristol conservation and Science symposium. 25th November 2010. Poster*

**Hughes, A.C., Satasook, C., Bates, P.J.J., Jones, G., and Bumrungsri, S.** *Determining the cause of the Zoogeographic divide at the Isthmus of Kra. Modelling Futures: Understanding risk and uncertainty, challenging models in the face of uncertainty, University of Cambridge. 28-30 September 2010. Poster*

**Hughes, A.C., Satasook, C., Bates, P.J.J., Soisook, P., Sritongchuay, T., Jones, G., and Bumrungsri, S.** *Predicting distributions of Asian bat species over 130,000 years and solving zoo-geographic riddles. UK National bat conference. University of Loughborough. 10-12 September 2010. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., Soisook, P., Sritongchuay, T., Jones, G., and Bumrungsri, S.** *Predicting distributions of Asian bat species over 20000 years and solving zoo-geographic riddles. 15th International bat conference. Prague. 23-27 August 2010. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., Soisook, P., Sritongchuay, T., Jones, G., and Bumrungsri, S.** *Predicting the distribution of Thai bat species in the past, present and future. Invited Colloquium. Bristol zoo. January 2010. Oral presentation.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., Soisook, P., Sritongchuay, T., Jones, G., and Bumrungsri, S.** *Predicting and explaining bat species distribution patterns in Thailand. SAGE conference (South-East Asian Gateway of Evolution) Royal Holloway University of London, 14-17 September 2009. Poster.*

**Hughes, A.C., Satasook, C., Bates, P.J.J., Jones, G., and Bumrungsri, S.** *Using species distribution modeling to predict the distribution and diversity of Thai bats. Invited seminar. Chulalongkorn University, Bangkok. December 2008. Oral presentation.*

**Jones, G., Rossiter, S., Ransome, R., Taylor, J., Hughes, A.C.,** *An investigation to ascertain the extent to which the call frequency of Rhinolophus ferrumequinum is genetically determined. 14th International bat conference and 37th North America bat research conference, Mexico, 19-23. August. 2007.*

## **Fieldwork**

*From 2003 to the present I have undertaken field-expeditions across the new and old-world tropics including extensive time in Southeast Asia and Latin America, in addition to Australian ecosystems and worked on a variety of taxa*

## **Languages**

*Fluent: English. Basic: Thai, Spanish, French and German*