

CURRICULUM VITAE

MARK ALAN MCGINLEY

Director, Core Curriculum and General Education
Head and Professor, Science Unit
Core Curriculum and General Education Office
Lingnan University
Tuen Mun, Hong Kong
e-mail: markmcginley@ln.edu.hk
Skype: mark.mcginley6

Warden : Tsung Tsin Association Hall Fok Cho Min Hall (B)

Professional Experience

- 2017 – Present. Director, Core Curriculum and General Education, Lingnan University
- 2015 – Present. Professor, Head of Science Unit. Lingnan University, Hong Kong
- 2014 – 2015. Assistant Dean, Honors College. Associate Professor, Honors College and Department of Biological Sciences. Texas Tech University, Lubbock, Texas, USA.
- 2010 – 2011. Fulbright Visiting Scholar, Institute of Biological Sciences, University of Malaya, Kuala Lumpur, Malaysia.
- 2005 - 2014. Associate Professor, Honors College and Department of Biological Sciences, Texas Tech University, Lubbock, Texas USA
- 2003 - 2008. Marine Biology Instructor and Scuba Instructor, Odyssey Expeditions, British Virgin Islands and Windward Islands of the Caribbean (June - August).
- 1997 – 2005. Associate Professor, Department of Biological Sciences, Texas Tech University, Lubbock, Texas USA.
- 1991 – 1997. Assistant Professor, Department of Biological Sciences, Texas Tech University, Lubbock, Texas USA.
- 1989 – 1991. Post-doctoral Research Associate (with David Tilman), Department of Ecology, Evolution, and Behavior, University of Minnesota, Minneapolis, Minnesota USA.

Education

- 2000. Tropical Marine Biology, Hofstra University Marine Lab, St. Ann's Bay, Jamaica.
- 1983 – 1989. Ph. D. Department of Biology, University of Utah, Salt Lake City, Utah USA. (Advisor, Jon Seger).
- 1980 – 1983. M.S. Division of Biology, Kansas State University, Manhattan, Kansas USA. (Advisor, Christopher C. Smith)
- 1976 – 1980. B.A. Zoology, University of California, Santa Barbara, Santa Barbara, California USA.

Professional Diving Education

PADI Master Scuba Diver Trainer 2002, PADI Open Water Scuba Instructor 2001.
Specialties in Deep Diver, Underwater Naturalist, Fish ID, Wreck Diver, Night Diver,
Multilevel Diver, Natural History of San Solomon Springs, and Research Diver.

Research & Scholarship

Scholarly Books, Mongraphs, and Chapters

McGinley, M.A. 2003. *The Process of Science*. Kendall/Hunt Publishing Co.
Willig, M.R. and M. A. McGinley. 1999. The response of animals to disturbance and their roles in path generation. Pp. 633 – 657 in *Ecosystems of Disturbed Ground*, L.R. Walker (ed). Elsevier Press, Amsterdam

Journal Articles

McGinley, M.A. and C. Barakatt. 2010. The Encyclopedia of the Earth: A Reliable Resource for Teachers and Students. *The Science Teacher*, Vol. 77, No. 2.
McGinley, M.A. 2005. Transferring a course developed for honors students to non-majors biology students: lessons learned. *Honors in Practice*, Fall/Winter, pp. 85-91.
Mayes, S.G., M.A. McGinley, and C.R. Werth. 1998. Clonal population structure and genetic variation in sand-shinnery oak. *American Journal of Botany* 85:1609-1617. Impact factor 2.664, 41 citations.
McGinley, M.A., S. S. Dhillion, and J. Neumann. 1994. Environmental heterogeneity and seedling establishment: ant:plant:microbe interactions. *Functional Ecology* 8:607-615. Impact factor 4.567, 22 citations
Dhillion, S. S, M. A. McGinley, C. F. Friese, and J. C. Zak. 1994. Construction of sand shinnery oak communities of the Llano Estacado: animal disturbances, plant community structure, and restoration. *Restoration Ecology* 2:51-61. Impact factor 1.681, 39 citations
McGinley, M. A. and D. Tilman. 1994. Short-term response of old-field plant communities to fire and disturbance. *American Midland Naturalist* 129:409-413. Impact factor 0.619, 7 citations
McGinley, M. A. 1994. Variation in reproductive characteristics of *Poa pratensis* across a successional chronosequence. *The Texas Journal of Science* 45:107-108. 1 citation
McGinley, M. A., C. C. Smith, P. F. Elliott, and J. J. Higgins. 1990. Morphological constraints on seed mass in lodgepole pine. *Functional Ecology* 4:183-192. Impact factor 4.567, 26 citations
McGinley, M. A. 1989. Within and among plant variation in seed mass in *Tragopogon dubius*. *Canadian Journal of Botany* 62:1298-1304. Impact factor 0.788, 50 citations
McGinley, M.A. 1989. The influence of a positive relationship between clutch size and offspring survival on optimal offspring size. *Evolutionary Ecology* 3:150-156. Impact factor 2.452, 65 citations.

- McGinley, M.A. and E.J. Brigham. 1989. Fruit morphology and terminal velocity in *Tragopogon dubius*. *Functional Ecology* 3:489-496. Impact factor 4.567, 5 citations
- McGinley, M.A. and E.L. Charnov. 1988. Multiple resources and the optimal balance between size and number of offspring. *Evolutionary Ecology* 2:77-84. Impact factor 2.453, 73 citations
- McGinley, M. A., D. H. Temme, and M. A. Geber. 1987. Parental investment in offspring in variable environments: theoretical and empirical considerations: *American Naturalist* 130:370-398. Impact factor 4.725, 421 citations
- McGinley, M. A. and T. G. Whitham. 1984. Central place foraging by beavers: a test of foraging predictions and the impact of selective feeding on the growth form of cottonwoods. *Oecologia* 66:558 – 562. Impact factor 3.412, 71 citations
- McGinley, M. A. 1984. The adaptive value of male-biased sex ratios in stressed animals. *American Naturalist* 124:508-509. Impact factor 4.725, 62 citations
- McGinley, M. A. 1984. Central place foraging for non-food items: determination of the stick size-value relationship of house building materials collected by eastern woodrats. *American Naturalist* 123:841-853. Impact factor 4.725, 11 citations
- Fugle, G. N, S. I. Rothstein, C. W. Osenberg, and M, A. McGinley. 1984. Signals of status in wintering white-crowned sparrows. *Animal Behavior* 32:86-93. Impact factor 3.493, 115 citations

Conference Proceedings.

- McGinley, M. 2018 (in press) University Students Teaching Environmental Science to Primary School Students as Service-Learning: Lessons Learned. SHS Web of Conference. The 6th Asia-Pacific Regional Conference on Service Learning.

Peer Reviewed Articles in the Encyclopedia of Earth (www.eoearth.org)

- Ayers, Cam (Lead Author) and McGinley, Mark (Contributing Author). 2014. “Lubbock Lake Landmark”
- Bush, Clara (Lead Author), McGinley, Mark (Contributing Author), Encyclopedia of Life (Content Partner). 2014. “Burrowing Owl”
- Encyclopedia of Life (Content Source), McGinley, Mark, and Saundry, Peter. 2014. “Pantropical spotted dolphin”.
- Encyclopedia of Life (Content Source), McGinley, Mark, and Saundry, Peter. 2014. “Spinner dolphin”
- Encyclopedia of Life (Content Source), McGinley, Mark (Contributing Author), Dee, Eileen (Contributing Author). 2014. “Orca”
- Ibarra, Freddie (Lead Author) and McGinley, Mark (Contributing Author). 2014. “Galapagos Islands”
- Reddy, Sriyutha (Lead Author), McGinley, Mark (Contributing Author), Encyclopedia of Life (Content Partner). 2014. “Lesser Prairie Chicken”.

Thibodeaux, Shelby (Lead Author), McGinley, Mark (Contributing Author). 2014.
"Sideoats grama (*Bouteloua curtipendula*)"

McGinley, Mark. (Lead Author) 2012. Encyclopedia of Life (Content Source)
"Parrotfishes"

McGinley, Mark. (Contributing Author) 2012. Encyclopedia of Life (Lead Author)
"Wrasses".

McGinley, Mark. (Contributing Author) 2012. Encyclopedia of Life (Content Partner)
"Asiatic Golden Cat".

McGinley, Mark. 2012. "Marine Mammals of Malaysia"

McGinley, Mark. 2012. "Malaysia Natural Resources"

McGinley, Mark. 2012. "Malaysia Protected Areas"

McGinley, Mark. 2012. "Malaysia (Collection)"

McGinley, Mark. 2012. "Malaysia Collection- Ecology and Biodiversity"

McGinley, Mark and Michael Hogan (Contributing Author) 2012. "IUCN Redlist of
Threatened Species"

Alreyes, Rami and Mark McGinley (Contributing Author) 2012. "Snakes of Big Bend
National Park)".

Perez, Isaac and Mark McGinley (Contributing Author) 2012. "Turtles of the Rio
Grande)".

McGinley, Mark. 2011. "Carnivore".

McGinley, Mark. 2011. "Omnivore".

McGinley, Mark. 2011. "Herbivore".

McGinley, Mark. 2011. "Reproduction"

McGinley, Mark. 2011. "*Cucurbita pepo*"

McGinley, Mark. 2011. "*Tamarix* control"

McGinley, Mark. 2011. "Yellowtail snapper".

McGinley, Mark. 2011. "Yellowtail damselfish"

McGinley, Mark. 2011. "Yellow goatfish"

McGinley, Mark. 2011. "Threespot damselfish"

McGinley, Mark. 2011. "Trumpetfish"

McGinley, Mark. 2011. "Nassau grouper"

McGinley, Mark. 2011. "Foureye butterflyfish"

McGinley, Mark. 2011. "Bicolor damselfish"

McGinley, Mark. 2011. "Coney".

McGinley, Mark. 2011. "Graysby"

McGinley, Mark. 2011. "Porkfish"

McGinley, Mark. 2011. "Bluestripe grunt"

McGinley, Mark. 2011. "Sergeant major"

McGinley, Mark. 2011. "Slippery dick"

McGinley, Mark. 2011. "Creole wrasse"

McGinley, Mark. 2011. "Smallmouth grunt"

McGinley, Mark. 2011. "Schoolmaster"

McGinley, Mark. 2011. "Spanish hogfish"

McGinley, Mark. 2011. "Tomtate".

McGinley, Mark. 2011. "Beaugregory"

McGinley, Mark. 2011. "Squirrelfish"

McGinley, Mark. 2011. "Longspine squirrelfish"
McGinley, Mark. 2011. "Blackbar soldierfish"
McGinley, Mark. 2011. "Fairy basslet"
McGinley, Mark. 2011. "Blue chromis"
McGinley, Mark. 2011. "French grunt"
McGinley, Mark. 2011. "Mahogany snapper"
McGinley, Mark. 2011. "Harelquin bass"
McGinley, Mark. 2011. "Brown chromis"
McGinley, Mark. 2011. "Rock beauty"
McGinley, Mark. 2011. "Yellowhead wrasse"
McGinley, Mark. 2011. "Banded butterflyfish"
McGinley, Mark. 2011. "Gray angelfish"
McGinley, Mark. 2011. "Queen angelfish"
McGinley, Mark. 2011. "Great barracuda"
McGinley, Mark. 2011. "Ocean surgeonfish"
McGinley, Mark. 2011. "Doctorfish"
McGinley, Mark. 2011. "Indigo hamlet"
McGinley, Mark. 2011. "Barred hamlet"
McGinley, Mark. 2011. "Dusky damselfish"
McGinley, Mark. 2011. "Spotted goatfish"
McGinley, Mark. 2011. "Spotfin butterflyfish"
McGinley, Mark. 2011. "Common coral reef fishes of Eleuthera"
McGinley, Mark. 2011. "Common coral reef fishes of Venezuela"
McGinley, Mark. (Contributing Author) 2011. World Resources Institute (content partner) "Malaysia Water Resources and Freshwater Ecosystems Factsheet"
McGinley, Mark. (Contributing Author) 2011. Encyclopedia of Life (content partner) "Flat-headed cat"
McGinley, Mark. (Contributing Author) 2011. Encyclopedia of Life (content partner) "Fishing cat".
Adkins, Kelly and Mark McGinley (Contributing Author) 2011. "Desert birds"
Boyce, Whitney and Mark McGinley (Contributing Author) 2011. "Invasive river cane along the Rio Grande"
Buchheim, Jason and Mark McGinley (Contributing Author) 2011. "Fish"
Buchheim, Jason and Mark McGinley (Contributing Author) 2011. "Fish senses"
Schlegel, Levi and Mark McGinley (Contributing Author) 2011. "Turtle Islands National Park (Malaysia)".
Schlegel, Levi and Mark McGinley (Contributing Author) 2011. "Ecotourism in Sabah, Malaysia".
Schlegel, Levi and Mark McGinley (Contributing Author) 2011. "Dugongs in Malaysia".
Singletary, Eric and Mark McGinley (Contributing Author) 2011. "Insect adaptations to stream systems".
Velde, Amanda and Mark McGinley (Contributing Author) 2011. "Common bats of Big Bend National Park".
McGinley, Mark. 2010. "Blue tang".
McGinley, Mark 2010. "Tasik Chini Biosphere Reserve, Malaysia"

McGinley, Mark (Contributing Author) 2010. "Governance of Malaysia".

McGinley, Mark (Contributing Author) 2010. "Geography of Malaysia".

McGinley, Mark (Contributing Author) 2010 "Demographics of Malaysia".

McGinley, Mark (Contributing Author) 2010. "Terrestrial Mammals of Malaysia".

McGinley, Mark (Contributing Author) 2010. Encyclopedia of Life (content partner)
"Leopard Cat".

Dee, Eileen Mary and Mark McGinley (Contributing Author). 2010. "Short-finned pilot whale".

Dee, Eileen Mary and Mark McGinley (contributing author) 2010. "Pygmy killer whale".

Dee, Eileen Mary and Mark McGinley (Contributing Author); Encyclopedia of Life (Content Partner); 2010. "Dusky dolphin."

Dee, Eileen Mary and Mark McGinley (Contributing Author); Encyclopedia of Life (Content Partner) 2010. "Gray whale."

Dee, Eileen Mary and Mark McGinley (Contributing Author); Encyclopedia of Life (Content Partner); 2010. "Orca."

Dee, Eileen Mary and Mark McGinley (Contributing Author) 2010. Encyclopedia of Life (Content Partner) "Tucuxi dolphin."

Dee, Eileen Mary and Mark McGinley (Contributing Author); Encyclopedia of Life (Content Partner); C Michael Hogan (Topic Editor);. 2010. "False killer whale."

Dee, Eileen Mary and Mark McGinley (Contributing Author). Encyclopedia of Life (Content Partner) 2010. "Long-beaked common dolphin."

Dee, Eileen Mary and Mark McGinley (Contributing Author); Encyclopedia of Life (Content Partner) 2010. "Long-finned pilot whale."

Dee, Eileen Mary and Mark McGinley (Contributing Author); Encyclopedia of Life (Content Partner) 2010. "Hourglass dolphin."

Dee, Eileen Mary and Mark McGinley (Contributing Author); Encyclopedia of Life (Content Partner) 2010. "Hector's Dolphin."

Dee, Eileen Mary and Mark McGinley (Contributing Author) 2010. "Clymene dolphin".

Hogan, C. Michael and Mark McGinley (Contributing Author) 2010. CIA (Content Source); "Malaysia".

Schlegel, Levi and Mark McGinley (Contributing Author) 2010. "Sabah, Malaysia

Schlegel, Levi, Mark McGinley and C. Michael Hogan (Contributing Author) 2010. "Dugong".

Turnage, Cynthia and Mark McGinley (Contributing Author) 2010. Encyclopedia of Life (Content Partner); "Asian elephant."

Turnage, Cynthia and Mark McGinley (Contributing Author) 2010 Encyclopedia of Life (Content Partner); "Orangutan."

Turnage, Cynthia and Mark McGinley (Contributing Author) 2010 Encyclopedia of Life (Content Partner); "Clouded Leopard."

Unger, Jeffery and Mark McGinley (Contributing Author). 2010. "Everglades flora and fauna".

McGinley, Mark. 2009. "Ecology Reader- Ecology for Teachers."

McGinley, Mark. 2009. "Common coral reef fishes in Anegada."

McGinley, Mark. 2009. "Common coral reef fishes of Andros Island."

McGinley, Mark. 2009. "Common coral reef fishes of Anguilla."

McGinley, Mark. 2009. "Common coral reef fishes of Antigua."
McGinley, Mark. 2009. "Common coral reef fishes of Aruba."
McGinley, Mark. 2009. "Common coral reef fishes of Barbados."
McGinley, Mark. 2009. "Common coral reef fishes of Belize."
McGinley, Mark. 2009. "Common coral reef fishes of Bequia."
McGinley, Mark. 2009. "Common coral reef fishes of Bermuda."
McGinley, Mark. 2009. "Common coral reef fishes of Bimini."
McGinley, Mark. 2009. "Common coral reef fishes of Bonaire."
McGinley, Mark. 2009. "Common coral reef fishes of Cayman Brac."
McGinley, Mark. 2009. "Common coral reef fishes of Columbia."
McGinley, Mark. 2009. "Common coral reef fishes of Costa Rica."
McGinley, Mark. 2009. "Common coral reef fishes of Cozumel."
McGinley, Mark. 2009. "Common coral reef fishes of Cuba."
McGinley, Mark. 2009. "Common coral reef fishes of Curacao."
McGinley, Mark. 2009. "Common coral reef fishes of Dominica."
McGinley, Mark. 2009. "Common coral reef fishes of Eleuthera."
McGinley, Mark. 2009. "Common coral reef fishes of French Cay."
McGinley, Mark. 2009. "Common coral reef fishes of Grand Cayman."
McGinley, Mark. 2009. "Common coral reef fishes of Grand Turk."
McGinley, Mark. 2009. "Common coral reef fishes of Grenada."
McGinley, Mark. 2009. "Common coral reef fishes of Guadeloupe."
McGinley, Mark. 2009. "Common coral reef fishes of Guanaja."
McGinley, Mark. 2009. "Common coral reef fishes of Jamaica."
McGinley, Mark. 2009. "Common coral reef fishes of Little Cayman."
McGinley, Mark. 2009. "Common coral reef fishes of Martinique."
McGinley, Mark. 2009. "Common coral reef fishes of Mexico."
McGinley, Mark. 2009. "Common coral reef fishes of Mustique."
McGinley, Mark. 2009. "Common coral reef fishes of New Providence Island"
McGinley, Mark. 2009. "Common coral reef fishes of Panama."
McGinley, Mark. 2009. "Common coral reef fishes of Providenciales."
McGinley, Mark. 2009. "Common coral reef fishes of Puerto Rico."
McGinley, Mark. 2009. "Common coral reef fishes of Roatan."
McGinley, Mark. 2009. "Common coral reef fishes of Saba."
McGinley, Mark. 2009. "Common coral reef fishes of Salt Cay."
McGinley, Mark. 2009. "Common coral reef fishes of San Salvador."
McGinley, Mark. 2009. "Common coral reef fishes of St. Croix."
McGinley, Mark. 2009. "Common coral reef fishes of St. Eustatius."
McGinley, Mark. 2009. "Common coral reef fishes of St. John."
McGinley, Mark. 2009. "Common coral reef fishes of St. Kitts."
McGinley, Mark. 2009. "Common coral reef fishes of St. Lucia."
McGinley, Mark. 2009. "Common coral reef fishes of St. Maarten"
McGinley, Mark. 2009. "Common coral reef fishes of St. Martin."
McGinley, Mark. 2009. "Common coral reef fishes of St. Thomas."
McGinley, Mark. 2009. "Common coral reef fishes of St. Vincent."
McGinley, Mark. 2009. "Common coral reef fishes of Tortola."
McGinley, Mark. 2009. "Common coral reef fishes of Trinidad and Tobago."

McGinley, Mark. 2009. "Common coral reef fishes of Utila."

McGinley, Mark. 2009. "Common coral reef fishes of Venezuela."

McGinley, Mark. 2009. "Common coral reef fishes of Virgin Gorda."

McGinley, Mark. 2009. "Common coral reef fishes of West Caicos."

McGinley, Mark. 2009. "Common coral reef fishes of the Bahamas."

McGinley, Mark. 2009. "Common coral reef fishes of the British Virgin Islands."

McGinley, Mark. 2009. "Common coral reef fishes of the Caribbean."

McGinley, Mark. 2009. "Common coral reef fishes of the Cayman Islands."

McGinley, Mark. 2009. "Common coral reef fishes of the Dominican Republic"

McGinley, Mark. 2009. "Common coral reef fishes of the Netherlands Antilles."

McGinley, Mark. 2009. "Common coral reef fishes of the Turks and Caicos Islands."

McGinley, Mark. 2009. "Common coral reef fishes of the United States Virgin Islands."

McGinley, Mark (Lead Author) and Debbie Swarthout (Contributing Author). 2009. "Photosynthesis."

McGinley, Mark. 2009. "Natural selection."

McGinley, Mark. 2009. "San Solomon Springs, Balmorhea Texas."

McGinley, Mark. 2009. "Population growth rate."

McGinley, Mark (Contributing Author). 2009. World Resources Institute (Content Partner); "Malaysia- Forests, Grasslands, and Drylands Factsheet".

McGinley, Mark (Contributing Author). 2009. World Resources Institute (Content Partner); "Malaysia Biodiversity and Protected Areas Factsheet"

McGinley, Mark (Lead Author). 2009. "Adaptations of marsh plants."

Battershell, Lauren (Lead Author) and Mark McGinley (Contributing Author). 2009. "Zoonotic diseases."

Freitag, Alicia (Lead Author) and Mark McGinley (Contributing Author). 2009. "Riparian zone."

Garrison, Laura (Lead Author) and Mark McGinley (Contributing Author). 2009. "Boquillas Canyon, United States."

Green, Niclas (Lead Author) and Mark McGinley (Contributing Author). 2009. "Rio Grande, United States."

Hannemann, Nikki (Lead Author) and Mark McGinley (Contributing Author). 2009. "Arctic."

Marino, Morgan (Lead Author) and Mark McGinley (Contributing Author) 2009. "Adaptations to deserts: counter current exchange in nasal passages".

Wofford, Jay (Lead Author) and Mark McGinley (Contributing Author). 2009. "Malaria and DDT."

McGinley, Mark. 2008. "Logistic growth."

McGinley, Mark. 2008. "Exponential growth."

McGinley, Mark. 2007. "Altruistic behaviors."

McGinley, Mark (Lead Author) and Harold Ornes (Contributing Author). 2007. "Aquatic plants."

McGinley, Mark (Lead Author); U.S. Geological Survey (Content source). 2007. "Aquifer."

McGinley, Mark. 2007. "Atoll."

McGinley, Mark (Lead Author) and Erle Ellis (Contributing Author). 2007. "Biome."

McGinley, Mark. 2007. "Carrying capacity."

McGinley, Mark. 2007. "Coral reef fish feeding behavior in the Caribbean."
McGinley, Mark. 2007. "Genetic variation."
McGinley, Mark. 2007. "Mutualism."
McGinley, Mark. 2007. "Predation."
McGinley, Mark. 2007. "Species diversity."
McGinley, Mark. 2007. "Species richness."
McGinley, Mark. 2007. "Threats to coral reefs."

Recent Presentations

McGinley, M. A. University Students Teaching Environmental Science to Primary School Students as Service-Learning: Lessons Learned. 6th Asia-Pacific Regional Conference on Service Learning. Petra Christian College. Surabaya, Indonesia. May 28 – June 2, 2017.

McGinley, M. A. Using Mathematical Modelling to Inform Design of General Education Courses: Creating Synergisms and Reducing Trade-offs. General Education Conference: Evolution and Transformation. The Hong Kong Polytechnic University. June 15-16. 2017.

McGinley, M. A. Using Mathematical Modelling to Inform Design of General Education Courses: Creating Synergisms and Reducing Trade-offs. Institute on General Education cum Teacher and Student Conference. Chinese University of Hong Kong. June 27 – 30, 2017.

Prizes and Awards

Fulbright Scholar, Malaysia 2010-2011

Editorial Positions

Editor in Chief, Encyclopedia of Earth (www.eoearth.org). 2012 – 2015

Associate Editor, Encyclopedia of Earth. 2009- 2012

Topic Editor, Encyclopedia of Earth. 2007 – 2009

Manuscript Reviewer

American Journal of Botany, American Naturalist, Australian Journal of Ecology, Behavioral Ecology and Sociobiology, Canadian Journal of Forestry Research, Acta Oecologia, Biological Journal of the Linnean Society, The Prairie Naturalist, Canadian Journal of Zoology, Ecology, Journal of Mammalogy, Oikos, Theoretical Population Biology, Functional Ecology, Journal of Ecology, Journal for Nature Conservation

Grant Proposal Reviewer

National Science Foundation (USA)

United States Department of Agriculture

National Environment Research Council (UK)

Invited Speaker

The Encyclopedia of Earth as a Tool for Formal and Informal Environmental Education.

Universiti Teknologi Malaysia. Johor Bahru, Johor Malaysia. January 2013.

Formal and Informal Education for Sustainable Development. Faculty of Education, University of Malaya, Kuala Lumpur Malaysia. 2011

15th Annual Biological Graduate Congress 2010 (involving graduate students from University of Malaysia, National University of Singapore, Chulalongkorn University). "Ecology in South East Asia". Kuala Lumpur, Malaysia December 16, 2010.

Research/Teaching Grants

Ecology: The Science of Environmental Issues (CLD9017). Enhancing knowledge transfer from service-learning to local schools. Office of Service Learning Mini-Grant. HKD 29,800. M.A. McGinley. (Funded February 2017)

Flipping the Classroom: Developing a New Core Curriculum Science Course at Lingnan University. Teaching Development Grant, Lingnan University. HKD 159,890. M.A. McGinley. (Funded March 2017).

Developing intergenerational education partnerships to encourage conservation of reptiles and amphibians in Hong Kong. Funded by Lingnan University Knowledge Transfer Project Fund (KPF). M. A. McGinley and J. J. Fong. HKD 69,850. 2017.

Testing Instruments to Assess Learning Outcomes of the Science, Technology, and Society Core Curriculum Cluster- funded by Teaching and Learning Center, Lingnan University, 2016. M.A. McGinley and J.J. Fong.

Middle School Math and Science (MS)²: Understanding by Design (with J Wilhelm (PI), D. Cassadonte (co-PI), M. Baker (co-PI), J. Dwyer (co-PI), Z. Aquire-Munoz (co-PI), M. McGinley (co-PI), and D. Lamp (co-PI)) Greater Texas Foundation. \$3,000,000 (USD) (2008 - 2014).

Live from the field: A research-based learning environment for teaching biological concepts (with T. Kingston (PI), M. McGinley (Co-PI) and K. Schmidt. (C-PI). Office of the Vice-President for Research, Texas Tech University. \$208,871. 2008-2009.

Development and analysis of models for the spread and control of weeds and infectious diseases (with L. Allen (PI), E. Allen (Co-PI), and M. McGinley (Co-PI)) National Science Foundation. \$88,500. 1996 – 1999.

Baseline vegetation survey of Copper Breaks State Park. M. McGinley (PI) and A. Stamm (Co PI). Texas Parks and Wildlife. \$9,999. Jan – Dec 1997.

Geographic variation in the costs and benefits of VAM fungi-little bluestem associations (M. McGinley (PI) and S. S. Dhillion (Co PI)) National Science Foundation. \$64,557, 1994 – 1996.

Research Enhancement for Undergraduates, supplemental grant. National Science Foundation. \$3,750 1995-1996.

Teaching and Learning

Courses Taught, Lingnan University

Chemistry: Science and Society

Natural Disasters: Science and Society

Ecology: The Science of Environmental Issues (taught with Service-Learning Pedagogy)

The Process of Science

Courses Taught, Texas Tech University

1. Non-majors & Honors College

Plant Biology (fulfills core curricular requirement)

Animal Biology (fulfills core curricular requirement)

Ecology and Environmental Problems (fulfills core curricular requirement)

Honors Integrated Science & Honors Integrated Science Lab (fulfills core curricular requirement) (<http://fyehis2012.blogspot.com/>)

Freshman Seminar

Rio Grande Class (fulfills Honors College seminar requirement) (<http://riograndeclass.blogspot.com/>)

Ecology: The Science Behind Environmental Issues (<http://ecologyseminar2011.blogspot.com/>)

Ecology for Environment and Humanities majors

Environmental Science 2007

Perspectives in Nature and the Environment (fulfills core curricular requirement) (<http://fye2011.blogspot.com/>)

So You Think You Are Alone (co-taught with Michael San Francisco) (<http://soyouthinkyouarealone.blogspot.com/>)

Prairies and Rainforests (fulfills Honors College seminar requirement) (<http://prairiesandrainforests2013.blogspot.com/>)

2. Biology Majors

Biology II (introductory Biology) & Honors Biology II (<http://biol1404mcg2010.blogspot.com/>)

Populations, Communities, & Ecosystems (Principles of Ecology)
Community Ecology

Field Ecology (taught at the Texas Tech Field Station in Junction, TX),

Tropical Marine Biology (taught in Jamaica and Belize)

Coral Reef Monitoring (taught in Windward Islands of Caribbean)

Reef Fish Monitoring (taught in Windward Islands of Caribbean)

Special Topics in Ecology and Biodiversity (Program in Ecology and Biodiversity, Institute of Biological Sciences, University of Malaya)
(<http://umspecialtopics.blogspot.com/>)

3. Graduate Biology

Topics in Biodiversity
Advanced Community Ecology
Ecology and Evolution for Teachers (<http://ecologyforteachers.blogspot.com/>)
(distance education)
Ecology Seminar
Seminar on Teaching for New Teaching Assistants
Integrating Ecology and Math for Middle-School Teachers
(<http://ms2ecology.blogspot.com/>)

4. Laboratory Coordinator

Designed and Coordinated Labs for Honors Integrated Science and all Non-majors Science Courses in Department of Biological Sciences (fulfills core curriculum requirements)

Graduate Students Advised

Advisor/co-advisor for 15 MS students, committee member > 30 MS and Ph. D students

Undergraduate Advising

Biology Major- Emphasis in Ecology and Environment
Biology Majors with focus in Science Education

Teaching Awards

Lingnan University

Significant Faculty Contribution to OBE Award 2015-16, 2016-17
Teaching Excellence Team Award (Science Unit), 2017

Texas Tech University

President's Excellence in Teaching Award, 1998
Honors College Professor of the Year, 2004
Elected into the Texas Tech University Teaching Academy, 2000
Professing Excellence, University Student Housing 2002, 2004, 2005, 2008
Mortar Board Teacher Appreciation. 1995, 1998, 2000, 2014
Excellence in Teaching Award, Texas Tech Greek System, 2005
Outstanding Professor, Alpha Epsilon Delta Pre-professional Society, 1997
Honorary Membership in Mortar Board Honorary Society, 2006
Delta Tau Delta/Kappa Alpha Theta Academic Excellence Reception, 2009
Sports Club Advisor of the Year, 1998
Recognized as Influential Professor by Phi Beta Kappa Inductee, 2014

Participation in Teaching-Related Programs

Service Learning Fellow, Texas Tech University, 2013
Teaching Mentoring Through Peer Observation Program, Texas Tech University, 2013
Student Consultant Program, Lingnan University, 2015
Mini Action Research Project. Lingnan University, 2016
CoP Program (Education Community of Practice). Lingnan University, 2017
Global Liberal Arts Alliance Science Teaching Workshop, Athens, 2017

Service

Lingnan University

Member of Lingnan Senate
Warden, Tsung Tsin Association Hall Fok Cho Min Hall (B)
Member of Core Curriculum and General Education Committee
Member of Hong Kong Sustainable Campus Consortium
Member of Task Force of Hong Kong Sustainable Campus Consortium

Texas Tech University

Department, College and University Service

a) University

Elected member of the Faculty Senate
Member of President's Special Committee on Distance Education
Chaired Natural Science Section of Core Curriculum Committee
Member Search Committee for Honors College Dean
Teaching Learning and Technology Center (TLTC) Advisory Committee
Service Learning Advisory Council
University Core Curriculum Committee
International Affairs Committee
Chaired Graduate Review Committee (Educational Leadership and Psychology)
Interdisciplinary Science Masters Degree Advisory Board
Texas Tech University Teaching Academy Membership Committee
Texas Tech University Teaching Academy Departmental Excellence in Teaching Award Committee
University Student Fulbright Committee

b) College and Departmental

Graduate Selection Committee, Department of Biological Sciences
Member of 5 Search Committees in Department of Biological Sciences, 3 in Honors College, 3 in College of Education
Introductory Biology Committee
Environmental Biology Committee
Curriculum Committee- Biological Sciences, Environment and Humanities, and Honors College

c) Student Groups

Lingnan University

Faculty Advisor AIESEC

Texas Tech University

Faculty Advisor/Coach Texas Tech Women's Volleyball Club

Faculty Advisor Tech Scuba Club

Faculty Advisor Ecology Club

Faculty Advisor Mortar Board (2005 – 2008)

Faculty Advisor Filipino Student Association

Faculty Advisor HON (Honors College Service Organization, recognized as
"Student Organization of the Year", 2013)

Faculty Advisor Lambda Delta Psi (Asian-American Women's Sorority)

Professional Service

Board Member- Environmental Information Coalition (EIC)

World Conservation Union (IUCN)

Member of the Commission on Education and Communication

Participant in Buddy Experiment - Intergenerational Partnerships for
Sustainability. Served as mentor for New Zealand student Hamish Low.

Community Service

Student Fulbright Selection Committee, Hong Kong, 2016