Richard M. K. Saunders • Curriculum Vitae

Prof. Richard M. K. Saunders		**Tel.:**	**(852) 2299 0608**
School of Biological Sciences		**Fax:**	**(852) 2517 6082**
The University of Hong Kong		**Email:**	**saunders@hkucc.hku.hk**
Pokfulam Road		**URLs:**	**http://web.hku.hk/~saunders/rmks.htm**
Hong Kong, China			**http://www.researcherid.com/rid/A-7436-2008**

Research focus

- **Systematics and phylogenetics** of flowering plants, involving an integrated approach to descriptive taxonomy, phylogenetic reconstruction and biogeography, based on morphological and molecular data
- **Plant reproductive biology**, including phenology, pollination ecology, and assessments of breeding systems

Qualifications

1987–90 **PhD**, CNAA (University of Portsmouth, UK), in collaboration with the Natural History Museum, London, and the International Rice Research Institute (IRRI), Los Baños, Philippines

1986–87 **MSc** in Pure and Applied Plant Taxonomy, University of Reading, UK

1982–86 **BSc (Hons)** in Plant Biology, University of St Andrews, UK

Professional employment

2010– **Professor**, University of Hong Kong

1999–2010 **Associate Professor**, University of Hong Kong

1994–99 **Assistant Professor**, University of Hong Kong

1992–94 **Lecturer**, University of Hong Kong

1991–92 **Higher Scientific Officer**, Institute of Freshwater Ecology, Wareham, Dorset, UK

1987–90 **Research Assistant**, University of Portsmouth, UK

Research collaboration

- Extensive collaboration with 23 institutions in 14 countries (Austria, Hong Kong, Malaysia, Netherlands, New Caledonia, Papua New Guinea, PRC, Singapore, Sri Lanka, Taiwan, Thailand, UK and USA)

Editorial experience

- Associate Editor: *BMC Evolutionary Biology*; *Botanical Journal of the Linnean Society*; *Journal of Systematics and Evolution*; and *Thai Forest Bulletin*
- Editorial board member: *Journal of Tropical and Subtropical Botany*

Postdoctoral fellows and postgraduate students

- **3 postdocs** (1 current); **13 PhD** students (2 current); and **4 MPhil** students (2 current)

Research grants

- Total competitive research funding secured (1993–present): **HK$ 9.2 million** (approximately £ 715,000 or US$ 1.2 million), of which 76% is from external sources.

Representative publications

Books

Key publication:

- Weerasooriya, A. D. & **R. M. K. Saunders** (2010). *Monograph of Mitrephora (Annonaceae)*. [*Systematic Botany Monographs* **90**]. Ann Arbor, Michigan: American Society of Plant Taxonomists (167 pp). [ISBN 978-0-912861-90-6]

- Govaerts, R., P. Wilkin & **R. M. K. Saunders** (2007). *World Checklist of Dioscoreales: Yams and their Allies.* London: The Board of Trustees of the Royal Botanic Gardens, Kew (xviii + 65 pp). [ISBN 978-1-84246-200-3]

Key publication:

- Su, Y. C F. & **R. M. K. Saunders** (2006). *Monograph of Pseuduvaria (Annonaceae)*. [*Systematic Botany Monographs* **79**]. Ann Arbor, Michigan: The American Society of Plant Taxonomists (204 pp). [ISBN 978-0-912861-79-1]

- **Saunders, R. M. K.** (2001). *Schisandraceae.* [*Species Plantarum: Flora of the World* **4**]. Canberra: Australian Biological Resources Study (v + 62 pp). [ISBN 0-642-56810-3]
- **Saunders, R. M. K.** (2000). *Monograph of Schisandra (Schisandraceae)*. [*Systematic Botany Monographs* **58**]. Ann Arbor, Michigan: American Society of Plant Taxonomists (146 pp). [ISBN 0-912861-58-4]
- **Saunders, R. M. K.** (1998). *Monograph of Kadsura (Schisandraceae).* [*Systematic Botany Monographs* **54**]. Ann Arbor, Michigan: American Society of Plant Taxonomists (106 pp). [ISBN 0-912861-54-1]

Selected journal articles & book chapters (since 2000)

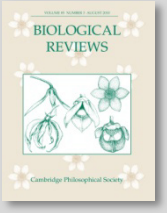
- Xue, B., Y. C. F. Su, J. B. Mols, P. J. A. Keßler & **R. M. K. Saunders** (in press). Further fragmentation of the polyphyletic genus *Polyalthia* (Annonaceae): molecular phylogenetic support for a broader delimitation of *Marsypopetalum*. *Systematics and Biodiversity.* [IF = 1.894]
- Couvreur, T. L. P., M. D. Pirie, L. W. Chatrou, **R. M. K. Saunders**, Y. C. F. Su, J. E. Richardson & R. H. J. Erkens (in press). Steady tropical diversification and boreotropical geodispersal during the early history of the flowering plant family Annonaceae. *Journal of Biogeography.* [IF = 4.087]

Key publication:

- **Saunders, R. M. K.** (in press). The diversity and evolution of pollination systems in the basal grade and 'long branch clade' of the Annonaceae. *In*: L. W. Chatrou et al. (eds.), *The Natural History of the Annonaceae*. Ruggell, Liechtenstein: A. R. G. Gantner.

- Surveswaran, S., R. J. Wang, Y. C. F. Su & **R. M. K. Saunders** (in press). Generic delimitation and historical biogeography in the early-divergent 'ambavioid' lineage of the Annonaceae: *Cananga*, *Cyathocalyx* and *Drepananthus*. *Taxon* **59**. [IF = 2.747]

Key publication:



- **Saunders, R. M. K.** (2010). Floral evolution in the Annonaceae: hypotheses of homeotic mutations and functional convergence. *Biological Reviews 85:* 571–591. [IF = 6.625]

- Zhou, L. L., Y. C. F. Su, P. Chalermglin & **R. M. K. Saunders** (2010). Molecular phylogenetics of *Uvaria* (Annonaceae): relationships with *Balonga*, *Dasoclema* and Australian species of *Melodorum. Botanical Journal of the Linnean Society* **163:** 33–43. [IF = 0.984]
- Su, Y. C. F., T. Chaowasku & **R. M. K. Saunders** (2010). An extended phylogeny of *Pseuduvaria* (Annonaceae) with descriptions of three new species and a reassessment of the generic status of *Oreomitra*. *Systematic Botany* **35:** 30–39. [IF = 1.697]
- Zhou, L. L., Y. C. F. Su & **R. M. K. Saunders** (2009). Molecular phylogenetic support for a broader delimitation of *Uvaria* (Annonaceae), inclusive of *Anomianthus*, *Cyathostemma*, *Ellipeia*, *Ellipeiopsis* and *Rauwenhoffia. Systematics and Biodiversity* **7:** 249–258. [IF = 1.894]

Key publication:

- Su Y. C. F. & **R. M. K. Saunders** (2009). Evolutionary divergence times in the Annonaceae: evidence of a late Miocene origin of *Pseuduvaria* in Sundaland with subsequent diversification in New Guinea. *BMC Evolutionary Biology* **9:** art. 153 (19 pp). [IF = 4.294]

- Wang, J., P. Chalermglin & **R. M. K. Saunders** (2009). The genus *Dasymaschalon* (Annonaceae) in Thailand. *Systematic Botany* **34:** 252–265. [IF = 1.697]
- Nakkuntod, M., Y. C. F. Su, T. Seelanan & **R. M. K. Saunders** (2009). Molecular phylogenetic and morphological evidence for the congeneric status of *Goniothalamus* and *Richella* (Annonaceae). *Taxon* **58:** 127–132. [IF = 2.747]
- Lau, C. P. Y., **R. M. K. Saunders** & L. Ramsden (2009). Floral biology, population genetic structure, and breeding systems of three climbing *Bauhinia* species (Leguminosae: Caesalpinioideae) in Hong Kong, China. *Journal of Tropical Ecology* **25:** 147–159. [IF = 1.318]
- Mols, J. B., P. J. A. Keßler, S. H. Rogstad & **R. M. K. Saunders** (2008). Reassignment of six *Polyalthia* species to the new genus *Maasia* (Annonaceae): molecular and morphological congruence. *Systematic Botany* **33:** 490–494. [IF = 1.697]
- Su, Y. C. F., G. J. D. Smith & **R. M. K. Saunders** (2008). Phylogeny of the basal angiosperm genus *Pseuduvaria* (Annonaceae) inferred from five chloroplast DNA regions, with interpretation of morphological character evolution. *Molecular Phylogenetics and Evolution* **48:** 188–206. [IF = 3.556]
- Ratnayake, R. M. C. S., I. A. U. N. Gunatilleke, D. S. A. Wijesundara & **R. M. K. Saunders** (2007). Pollination ecology and breeding system of *Xylopia championii* (Annonaceae): curculionid beetle pollination, promoted by floral scents and elevated floral temperatures. *International Journal of Plant Sciences* **168:** 1255–1268. [IF = 2.358]
- Ratnayake, R. M. C. S., Y. C. F. Su, I. A. U. N. Gunatilleke, D. S. A. Wijesundara & **R. M. K. Saunders** (2006). Reproductive biology of two sympatric species of *Polyalthia* (Annonaceae) in Sri Lanka. II. Breeding systems and population genetic structure. *International Journal of Plant Sciences* **167:** 495–502. [IF = 2.358]
- Ratnayake, R. M. C. S., I. A. U. N. Gunatilleke, D. S. A. Wijesundara & **R. M. K. Saunders** (2006). Reproductive biology of two sympatric species of *Polyalthia* (Annonaceae) in Sri Lanka. I. Pollination by curculionid beetles. *International Journal of Plant Sciences* **167:** 483–493. [IF = 2.358]
- Wang, R. J. & **R. M. K. Saunders** (2006). The genus *Cyathocalyx* (Annonaceae) in the Philippines. *Systematic Botany* **31:** 285–297. [IF = 1.697]
- Su, Y. C. F., J. B. Mols, W. Takeuchi, P. J. A. Keßler & **R. M. K. Saunders** (2005). Reassessing the generic status of *Petalolophus* (Annonaceae): evidence for the evolution of a distinct sapromyophilous lineage within *Pseuduvaria*. *Systematic Botany* **30:** 494–502. [IF = 1.697]
- Lau, C. P. Y., L. Ramsden & **R. M. K. Saunders** (2005). Hybrid origin of "*Bauhinia blakeana*" (Leguminosae: Caesalpinioideae), inferred using morphological, reproductive and molecular data. *American Journal of Botany* **92:** 525–533. [IF = 2.684]
- Ma, O. S. W. & **R. M. K. Saunders** (2003). Comparative floral ontogeny of *Maesa* (Maesaceae), *Aegiceras* (Myrsinaceae) and *Embelia* (Myrsinaceae): taxonomic and phylogenetic implications. *Plant Systematics and Evolution* **243:** 39–58. [IF = 1.410]
- Su, Y. C. F. & **R. M. K. Saunders** (2003). Pollen structure, tetrad cohesion, and pollen-connecting threads in *Pseuduvaria* (Annonaceae). *Botanical Journal of the Linnean Society* **143:** 69–78. [IF = 0.984]
- Utteridge, T. M. A. & **R. M. K. Saunders** (2001). Sexual dimorphism and functional dioecy in *Maesa perlarius* and *M. japonica* (Maesaceae/Myrsinaceae). *Biotropica* **33:** 368–374. [IF = 2.270]
- Zhang, D. X. & **R. M. K. Saunders** (2000). Reproductive biology of a mycoheterotrophic species, *Burmannia wallichii* (Burmanniaceae). *Botanical Journal of the Linnean Society* **132:** 359–367. [IF = 0.984]

Updated: 1 September 2010

Summary of publications: 6 books; **65** journal articles; **26** book chapters; and **1** CD-ROM unit **[TOTAL = 98]**