

Curriculum Vitae (6 January, 2009)

Name: Christopher Colin Tudge
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Citizenship: U.S./Australian/British citizen

Education:

Ph.D. Zoology (1995)- The University of Queensland, Australia.
Master of Science Qualifying (1990)- The University of Queensland, Australia
Bachelor of Science (1985)- The University of Queensland, Australia.
Ipswich Boys Grammar School (1982)- Ipswich, Queensland, Australia

Fellowships & Grants:

- *Australian Research Council Postdoctoral Research Fellow (1996-1999)*
Crustacean Laboratory, Museum of Victoria, Melbourne, Australia. Phylogenetic relationships within the decapod infraorder Thalassinoidea using morphological, spermatological and molecular techniques. Principal advisor: Dr G. Poore.
- *Smithsonian Institution Postdoctoral Fellow (1995-1996)*
Department of Invertebrate Zoology, NMNH, Smithsonian Institution, Washington, D.C., USA. Phylogeny of anomuran crustaceans (Decapoda) using gross morphology and ultrastructure of spermatophores and spermatozoa. Principal advisor: Dr R. Lemaitre.
- *French Government Scientific Fellow (1992)*
Laboratoire Biologie Parasitaire, Protistologie et Helminthologie, Muséum National d'Histoire Naturelle, France. Immunocytochemistry of cytoskeletal proteins in decapod spermatozoa. Principal advisor: Prof. J-L. Justine

- *American University, University Curriculum Development Award (2004-2005)*
Coordination of Science Honors program (with C. Schaeff) (\$5000)
- *American University (AU), College of Arts & Sciences (CAS), Mellon Fund (Fall 2000, 2001, spring 2003)*
Grants to aid in publication of research and web site development (\$1900)

Awards:

- American University, Career Center, Internship Faculty of the Month - *recipient Sept. 2006*
- American University Faculty Award for Outstanding Teaching in an Adjunct Appointment - *recipient Spring 2006; Nominated 2005*
- American University, Biology Department, Teaching Awards
Recognition of outstanding teaching evaluations – Fall 2000, Spring, Fall 2001, Spring 2002, Spring & Fall 2003, Fall 2005, Fall 2007

Employment & Academic Affiliations:

- *American University, College of Arts and Sciences (2005-2008)*
Multi-disciplinary Science and Math Coordinator & Director Professional Science Masters Program
- *Smithsonian Institution, National Museum of Natural History, Department of Invertebrate Zoology, Research Associate (1999-2011)*
- *Adjunct Faculty, Biology Department, University of Louisiana at Lafayette, Lafayette, LA (2004-2008)*
- *Virginia Museum of Natural History, Martinsville, Virginia, Research Associate (2002-2012)*
- *Honorary Research Consultant, Department of Zoology & Entomology, The University of Queensland, Australia (1998-2001)*

Service:

- Living & Learning Together Subcommittee, Undergraduate Experience Council, American University (Fall 2007– present)
- External Academic Program Reviewer, MS Environmental Management, University of Maryland University College, MD (Apr. 2008)
- External Reviewer, Professional Science Master's proposal, Richard Stockton College, NJ (Feb. 2008)
- Director, Premedical Programs, CAS, AU (Spring 2008)
- Eco-Sense Club Faculty Advisor, AU (Fall 2007 - present)
- Member, Environmental Issues Project Team, AU (Spring 2006 – present)
- Associate Editor, Gulf and Caribbean Research, (journal) USA (2005-present)
- Director, Professional Science Masters Program, CAS, AU (2005 - 2008)
- Faculty Supervisor, "Catalyst" science magazine, CAS, AU (Summer 2005 - present)
- Secretary, The Crustacean Society, USA (Spring 2004 – present)
- Astronomy Club Faculty Advisor, AU (Spring 2004 - 2007)
- Invertebrate Systematist Search Committee, National Systematics Laboratory, NOAA (Spring 2004)
- Science Coordinator for Honors Program, Biology Department, AU (Summer 2003 – 2008)
- Microbiologist Search Committee, Biology Department, AU (Spring 2002)
- Judge, Virginia Science Fair, Arlington, VA (Fall 2002)
- Chairperson, Education Policy Committee, Curriculum, CAS, AU (Fall 2001 – Spring 2004)
- Premedical Program Mentor, AU (Spring 2001 – present)
- Geneticist Search Committee, Biology Department, AU (Spring 2001)
- Premedical Achievement Prize Panel, CAS, AU (Fall 2001)
- Academic Integrity Code Hearing Panel, CAS, AU (Fall 2001, Fall 2008)
- Undergraduate Studies Committee, Biology Department, AU (Spring 2000 – 2004, 2008 - present)
- Research faculty coordinator, Biology Department, AU (Spring 2000 – 2004)

Teaching Experience:

- *Department of Biology, American University, Washington, D.C., USA (1999-2008)*
Assistant Professor (2008-present), Adjunct (2006-2008), Adjunct-in-Residence (2004-2006) and Assistant Professor (1999-2004): College of Arts and Sciences, teaching introductory biology (non-majors), general biology I & II (majors), evolution (undergraduate and graduate), environmental science, oceanography, senior seminar, global biodiversity crisis, marine mammals and invertebrate zoology.
- *Museum of Victoria, Melbourne, Australia (1996-1998)*
Lecturer: University of Melbourne, Zoology Department, marine invertebrate field course for 2nd & 3rd year undergraduates. Activities: field collection, lab classes on marine invertebrate collection and identification, lectures on principles and practice of taxonomy, systematics and phylogeny.
- *Zoology Department, The University of Queensland, Australia (1989-1995)*
Teaching Assistant: 3rd year undergraduates in Gamete Biology and Animal Phylogeny. Activities: lab classes on electron microscopy techniques, dark room procedures, scientific paper preparation, principles and practice of phylogenetics, gamete collection and cryopreservation, and invertebrate dissection.
Teaching Assistant: 1st-3rd year undergraduates in invertebrate zoology. Activities: lab classes on identification, general biology, and dissection of segmented and unsegmented invertebrates.
Demonstrator: 2nd & 3rd year marine zoology undergraduates at local marine biological stations (both estuarine and reef). Activities: collection, identification, and general ecology and biology of the organisms, general supervision, first aid, & catering.

Graduate Students:

- Kerry Chu (MSc 2009, American University) – A morphological comparison of cave amphipods (Family Gammaridae and Crangonyctidae) by divergence time and habitat. Committee Member.
- Cara Crawford (MSc 2008, American University) – Fluctuating asymmetry as a population health assessment tool in bottlenose dolphins (*Tursiops truncatus*) from Sarasota Bay, Florida. Committee Member
- Kara Stablein (MSc 2008, American University) – Sexual Orientation and Human Mate Choice. Committee Member
- Natalie Hanson (MSc 2008, American University) – An isotopic analysis of ecosystem connectivity: Are anadromous *Alosa* herring Marine nutrient vectors? Committee Member.
- Kirby Webster (MSc 2007, American University) - Octocorals as indicators of anthropogenic nutrients. Committee Member

- Courtney Elkins (MSc 2006, American University) - An evaluation of cryopreservation protocols on the viability of captive Snow Leopard spermatozoa. Committee member
- Lynde Kunkle (MSc 2004, American University) – Evaluation of the cephalopod mollusk *Illex oxygonius* as a hybrid of two squid species (*I. illecebrosus* and *I. coindetii*) and *I. coindetii* as a valid species using molecular data. Committee member
- Rebecca Kirk Ritger (MSc 2004, American University) – Biology and systematics of a new species of ribbon worm, genus *Tubulanus* (Phylum Nemertea). Committee Chair
- Bonnie Coy (MSc 2002, American University) – Fluctuating asymmetry in the California Sea Lion. Committee member
- Leigh-Ann LeBlanc (MSc 2002, University of Louisiana at Lafayette) – Process of insemination in thalassinideans. Committee member
- Stephen G. Dunbar (PhD 2002, Central Queensland University, Australia) – Respiratory, osmoregulatory and behavioural determinants of distribution of tropical marine hermit crabs. External reviewer

Graduate & Undergraduate Interns at NMNH, Smithsonian Institution:

Invertebrate Zoology (2000 – present) - Katie Schneider (MS), Hideka Shiraishi, Sarah Trunnell, Shubh Sharma, Fran Ellison, Christine Meyers, Zachary Prag, Lydia Maniatis (PhD), Rachel Poliquin, Rania Tarboush (PhD), Kerry Chu (MS)

Research field and interests:

Reproductive Biology - Reproductive biology, morphology and behavior of decapod crabs; Ultrastructure and phylogeny of the spermatozoa of decapod crustaceans; Immunocytochemistry of cytoskeletal proteins in the spermatozoa of decapod crabs; Reproductive biology of marine and terrestrial invertebrates and vertebrates.

Systematics and Phylogeny - Taxonomy, systematics, evolution, and phylogeny of the decapod crabs; Molecular phylogeny of the Decapoda.

Crustacean Morphology – Fine structure and ultrastructure of Decapod crustaceans; fine structure and ultrastructure of cave crustaceans.

Marine Biology - Zoogeography of Australian tropical and subtropical hermit crabs; Evolution and phylogeny of hydrothermal vent/hydrocarbon seep Decapoda; Hydrothermal vent/hydrocarbon seep community evolution.

Memberships:

American Microscopical Society; Biological Society of Washington (USA); The Carcinological Society of Japan; International Society of Invertebrate Reproduction and Development; Senate of Scientists, NMNH (USA); Society for Australian Systematic Biology; The Crustacean Society (USA)

Publication Reviews:

Acta Zoologica (Stockholm), Bulletin of Marine Science; Crustaceana (Netherlands); Crustacean Research (Japan); Gulf and Caribbean Research; Hydrobiologia (Netherlands); Invertebrate Biology; Invertebrate Reproduction and Development (Israel); Invertebrate Systematics (Australia); Journal of Crustacean Biology; Journal of Morphology; Journal of the Marine Biological Association (UK); Journal of Zoological and Systematic Evolutionary Research (Italy); Journal of Zoology (UK); Marine Biology; Memoirs de Museum national d'Histoire naturelle (Paris); Memoirs of Museum Victoria (Australia); Molecular Reproduction & Development (Japan); Natural History Research (Japan); New Zealand Journal of Marine and Freshwater Research (NZ); NOAA Professional Papers Series (USA); Organisms, Diversity & Evolution (Germany); Proceedings of the Biological Society of Washington, Smithsonian Contributions; Tissue and Cell (Netherlands), Tropical Zoology (Italy); Zoologischer Anzeiger (Ireland); Zoosystema (Paris); Zootaxa (New Zealand)

Grant Reviews: National Science Foundation (USA); United States Geological Survey

Publications: In preparation or submitted

1. **Tudge**, C.C., Scheltinga, D. M., Jamieson, B.G.M. and Guinot, D. (2009). Spermatozoal ultrastructure in the Majidae. (In preparation).
2. **Tudge**, C.C., Lemaitre, R. and Schneider, K. (2009). Male sexual tube morphology in the hermit crab *Catapagurus sharreri* (Crustacea, Decapoda, Anomura, Paguridae): SEM observations. (In preparation).
3. Dworschak, P., Felder, D. and **Tudge**, C. C. (2009). Decapoda - Thalassinidea. In: *Treatise on Zoology – Anatomy, Taxonomy, Biology – The Crustacea, Vol. 9*. Koninglijke Brill, Netherlands. (In preparation).

4. Asakura, A., Boyko, C. and **Tudge**, C. C. (2009). Decapoda - Anomura. In: *Treatise on Zoology – Anatomy, Taxonomy, Biology – The Crustacea, Vol. 9*. Koninklijke Brill, Netherlands. (In preparation).
5. **Tudge**, C.C. and Maniatis, L. (2009). Positive allometry in the sexual tube of *Coenobita perlatus* is associated with negative allometry in a neighboring structure. (In preparation).
6. Scelzo, M. A. and **Tudge**, C.C. (2009). Spermatophore morphology in the porcelain crab, *Pachycheles laevidactylus* Ortman, 1892 (Decapoda, Anomura, Porcellanidae) from marine Argentine waters. (In preparation).
7. Tirelli, T., Sylvestro, D., Pessani, D. and **Tudge**, C. (2009). Reproductive biology of Mediterranean hermit crabs: the first description of the male reproductive apparatus of *Paguristes eremita* (Decapoda, Anomura, Diogenidae). (In preparation).
8. Tirelli, T., Sylvestro, D., Campantico, E., **Tudge**, C. and Pessani, D. (2009). Fine structure of spermatophores and spermatozoa of *Calcinus tubularis*, *Clibanarius erythropus*, *Diogenes pugilator* and *Paguristes eremita* (Decapoda, Anomura) and their bearing on a sperm phylogeny of the Diogenidae. Proceedings of the IX Colloquium Crustacea Decapoda Mediterranea, Torino, Italy, September 2-6, 2008. Museo Regionale di Scienze Naturali di Torino (ed.) Atti di Convegni (Submitted).

Publications: In press

9. Mantelatto, F. L., Scelzo, M. A. and **Tudge**, C.C. (2009). Morphological and morphometric appraisal of the spermatophore of the southern hermit crab *Isocheles sawayai* Forest and Saint-Laurent, 1968 (Anomura: Diogenidae), with comments on gonopores in both sexes. *Zoologischer Anzeiger* 248(1):
10. Robles, R., **Tudge**, C., Dworschak, P., Poore, G. and Felder, D. (2009). Molecular phylogeny of the Thalassinidea based on nuclear and mitochondrial genes. In: J. Martin, K. Crandall and D. Felder (eds.) *Decapod Crustacean Phylogenetics*. Proceedings of a symposium in San Antonio, Texas, January 2008. *Crustacean Issues*. CRC Press.
11. **Tudge**, C. (2009). Spermatozoal morphology and its bearing on decapod phylogeny. In: J. Martin, K. Crandall and D. Felder (eds.) *Decapod Crustacean Phylogenetics*. Proceedings of a symposium in San Antonio, Texas, January 2008. *Crustacean Issues*. CRC Press.

Publications: Published

12. Kawai, T. and **Tudge**, C.C. (2008). Re-examination of the type material of *Cambaroides schrenckii* (Kessler, 1874) (Decapoda: Cambaridae) with a lectotype designation, re-description, and discussion on its phylogenetic position. *Proceedings of the Biological Society of Washington* 121(2): 158-176.
13. Tirelli, T., Pessani, D., Sylvestro, D. and **Tudge**, C.C. (2008). Reproductive biology of Mediterranean hermit crabs: fine structure of spermatophores and spermatozoa of *Diogenes pugilator* (Decapoda, Anomura) and its bearing on a sperm phylogeny of Diogenidae. *Journal of Crustacean Biology* 28: 534-542.
14. Tirelli, T., Campantico, E., Pessani, D. and **Tudge**, C.C. (2007). Reproductive biology of Mediterranean hermit crabs: male reproductive apparatus of *Clibanarius erythropus* (Decapoda, Anomura). *Journal of Crustacean Biology* 27(3): 404-410.
15. **Tudge**, C.C. and Lemaitre, R. (2006). Studies of male sexual tubes in hermit crabs (Crustacea, Decapoda, Anomura, Coenobitidae). II. Morphology of the sexual tube in the land hermit crabs, *Coenobita perlatus* and *C. clypeatus*. *Crustacean Research, Special Number 6*: 121-131.
16. Litulo, C., Abreu, D. and **Tudge**, C.C. (2006). Reproductive Biology of *Calcinus laevimanus* (Randall, 1840) (Anomura: Diogenidae) from Inhaca Island, southern Mozambique. *Crustacean Research, Special Number 6*: 57-66.
17. Tirelli, T., Campantico, E., Pessani, D. and **Tudge**, C.C. (2006). Description of the male reproductive apparatus of the hermit crab *Calcinus tubularis* (Anomura, Diogenidae). *Crustacean Research, Special Number 6*: 13-21.
18. Scelzo, M.A., Medina, A. and **Tudge**, C.C. (2006). Spermatozoal ultrastructure of the hermit crab *Loxopagurus loxochelis* (Moreira, 1901) (Anomura, Diogenidae) from the southwestern Atlantic. *Crustacean Research, Special Number 6*: 1-11.
19. Lemaitre, R. and **Tudge**, C.C. (2006). (Guest Editors) Biology of Anomura II. Proceedings of a symposium at the Sixth International Crustacean Congress, Glasgow, Scotland, UK, 18-22 July 2005. *Crustacean Research, Special Number 6*: 1-199.

20. Medina, A., Scelzo, M.A. & **Tudge**, C.C. (2006). Spermatozoal ultrastructure in three Atlantic solenocerid shrimps (Decapoda, Dendrobranchiata). *Journal of Morphology* 267(3): 300-307.
21. Litulo, C. and **Tudge**, C.C. (2005). Population structure and breeding season of the hermit crab *Diogenes brevisrostris* Stimpson, 1858 (Decapoda, Anomura, Diogenidae) from southern Mozambique. *Journal of Natural History* 39(31): 2887-2899.
22. Scelzo, M.A., Mantelatto, F.L. and **Tudge**, C.C. (2004). Spermatophore morphology of the endemic hermit crab *Loxopagurus loxochelis* (Anomura, Diogenidae) from the southwestern Atlantic – Brazil and Argentina. *Invertebrate Reproduction and Development* 46(1): 1-9.
23. McLaughlin, P. A., Lemaitre, R. and **Tudge**, C. C. (2004). Carcinization in the Anomura – fact or fiction? II. Evidence from larval/postlarval morphology. *Contributions to Zoology* 73(3): 165-205.
24. **Tudge**, C. C. and Lemaitre, R. (2004). Studies of male sexual tubes in hermit crabs (Crustacea, Decapoda, Anomura, Paguroidea). I. Morphology of the sexual tube in *Micropagurus acantholepis* (Stimpson, 1858), with comments on function and evolution. *Journal of Morphology* 259: 106-118.
25. **Tudge**, C. C. (2003). Endemic and enigmatic: The reproductive biology of *Aegla* (Crustacea: Decapoda: Anomura: Aeglidae) with observations on sperm structure. In: Lemaitre, R. and Tudge, C.C. (eds), *Biology of the Anomura. Proceedings of a symposium at the Fifth International Crustacean Congress, Melbourne, Australia, 9-13 July, 2001*. *Memoirs of Museum Victoria* 60(1): 63-70.
26. Lemaitre, R. and **Tudge**, C.C. (2003). Biology of the Anomura – foreword to this special issue. In: Lemaitre, R. and Tudge, C.C. (eds), *Biology of the Anomura. Proceedings of a symposium at the Fifth International Crustacean Congress, Melbourne, Australia, 9-13 July 2001*. *Memoirs of Museum Victoria* 60(1): 1.
27. Lemaitre, R. and **Tudge**, C.C. (2003). (Editors) *Biology of the Anomura. Proceedings of a symposium at the Fifth International Crustacean Congress, Melbourne, Australia, 9-13 July 2001*. *Memoirs of Museum Victoria* 60(1): 1-149.
28. **Tudge**, C.C. and Cunningham, C. W. (2002). Molecular phylogeny of the mud lobsters and mud shrimps (Crustacea: Decapoda: Thalassinidea) using nuclear 18s rDNA and mitochondrial 16s rDNA. *Invertebrate Systematics* 16:839-847.
29. **Tudge**, C. C. and Scheltinga, D. M. (2002). Spermatozoal morphology of the freshwater anomuran, *Aegla longirostri* Bond-Buckup & Buckup, 1994 (Crustacea: Decapoda: Aeglidae) from South America. *Proceedings of the Biological Society of Washington* 115(1): 118-128.
30. **Tudge**, C. C., Scheltinga, D. M. and Jamieson, B. G. M. (2001). Spermatozoal morphology in the "symmetrical" hermit crab, *Pylocheles (Bathychelès) sp.* (Pylochelidae, Paguroidea, Anomura, Decapoda). *Zoosystema* 23(1): 117-130.
31. **Tudge**, C. C., Poore, G. C. B. and Lemaitre, R. (2000). Preliminary phylogenetic analysis of generic relationships within the Callianassidae and Ctenochelidae (Decapoda: Thalassinidea: Callianassoidea). *Journal of Crustacean Biology* 20(special number 2): 129-149
32. Jamieson, B.G.M. and **Tudge**, C.C. (2000). 1. Crustacea-Decapoda. In: B.G.M. Jamieson (ed.) "Progress in Male Gamete Ultrastructure and Phylogeny", vol. 9. part c of K. G. & R. G. Adiyodi (eds.) *Reproductive Biology of the Invertebrates*. John Wiley & Sons, Chichester. pp. 1-95
33. **Tudge**, C. C. (1999b). Spermatophore morphology in the hermit crab families Paguridae and Parapaguridae (Paguroidea, Anomura, Decapoda). *Invertebrate Reproduction & Development* 35(3): 203-214
34. **Tudge**, C. C., Scheltinga, D. M. and Jamieson, B. G. M. (1999). Spermatozoal ultrastructure in the Hippoidea (Anomura, Decapoda). *Journal of Submicroscopic Cytology & Pathology* 31(1): 1-13
35. **Tudge**, C. C. (1999a). Ultrastructure of the spermatophore lateral ridge in hermit crabs (Paguroidea, Anomura, Decapoda). *Crustaceana* 72(1): 77-84
36. Poore, G. C. B., Hart, S., Taylor, J. and **Tudge**, C.C. 1998. Decapod crustaceans from Tasmanian sea mounts. Pp. 65-76. In: Koslow, J.A. and Gowlett-Homes, K. *The seamount fauna of southern Tasmania: benthic communities, their conservation and impacts of trawling. Final report to Environment Australia and The Fisheries Research Development Corporation*. CSIRO Marine Research: Hobart. 104 pp.
37. **Tudge**, C. C., Jamieson, B. G. M., Segonzac, M. and Guinot, D. (1998). Spermatozoal ultrastructure in three species of hydrothermal vent crab, in the genera *Bythograea*, *Austinograea* and *Segonzacia* (Decapoda, Brachyura, Bythograeidae) *Invertebrate Reproduction and Development* 34(1): 13-23
38. **Tudge**, C. C., Scheltinga, D. M. and Jamieson, B. G. M. (1998). Spermatozoal ultrastructure in the spiny lobster *Jasus novaehollandiae* Holthuis, 1963 (Palinuridae, Palinura, Decapoda). *Journal of Morphology* 236: 117-126

39. **Tudge**, C.C., Jamieson, B.G.M., Sandberg, L. and Erseus, C. (1998). Ultrastructure of the mature spermatozoon of the King Crab *Lithodes maja* (L.) (Lithodidae, Anomura, Decapoda): Further confirmation of a lithodid-pagurid relationship. *Invertebrate Biology* 117(1): 57-66
40. Guinot, D., Jamieson, B.G.M., Richer de Forges, B. and **Tudge**, C.C. (1998). Comparative spermatozoal ultrastructure of the three dromiidae families exemplified by *Homolodromia kai* (Homolodromiidae), *Sphaerodromia lamellata* (Dromiidae) and *Dynomene tanensis* (Dynomeneidae) (Podotremata: Brachyura). *Journal of Crustacean Biology* 18(1): 78-94
41. Richer de Forges, B., Jamieson, B.G.M., Guinot, D. and **Tudge**, C.C. (1997). Ultrastructure of the spermatozoa of Hymenosomatidae (Crustacea, Brachyura) and the relationships of the family. *Marine Biology* 130: 233-242
42. **Tudge**, C. C. (1997). Phylogeny of the Anomura (Decapoda, Crustacea): Spermatozoa and spermatophore morphological evidence. *Contributions to Zoology* 67(2): 125-141
43. Jamieson, B.G.M., Guinot, D., **Tudge**, C.C. and Richer de Forges, B. (1997). Ultrastructure of the spermatozoa of *Corystes cassivelaunus* (Corystidae), *Platepistoma nanum* (Cancridae) and *Cancer pagurus* (Cancridae) supports recognition of the Corystoidea (Crustacea, Brachyura, Heterotremata). *Helgoländer Meeresuntersuchungen* 51: 83-93
44. **Tudge**, C. C. (1997). Spermatological evidence supports the taxonomic placement of the Australian endemic hairy stone crab, *Lomis hirta* (Decapoda, Anomura, Lomidae). *Memoirs of the Museum of Victoria* 56(1): 235-244
45. Guinot, D., Jamieson, B.G.M. and **Tudge**, C.C. 1997. Ultrastructure and relationships of spermatozoa of the freshwater crabs *Potamon fluviatile* and *Potamon ibericum* (Crustacea, Brachyura, Potamidae). *Journal of Zoology, London* 241: 229-244
46. **Tudge**, C. C. (1996). Spermatophore morphology and spermatozoal ultrastructure of the recently described hermit crab, *Strigopagurus boreonotus* Forest, 1995 (Decapoda, Anomura, Diogenidae). *Bulletin du Muséum national d'Histoire naturelle, Paris 4e série, 18, section A, no. 3-4*: 547-555
47. **Tudge**, C.C. and Jamieson, B.G.M. (1996b). Spermatophore and spermatozoal morphology in the Porcellanidae. II. The genera *Petrolisthes* and *Polyonyx* (Decapoda, Anomura, Porcellanidae). *Journal of Crustacean Biology* 16(3): 535-546
48. **Tudge**, C.C. and Jamieson, B.G.M. (1996a). Spermatophore and spermatozoal morphology in the Porcellanidae. I. *Aliaporcellana suluensis* and *Pisidia longicornis* (Decapoda, Anomura, Porcellanidae). *Crustacean Research* 25: 73-85
49. **Tudge**, C. C. (1995c). Ultrastructure and Phylogeny of the Spermatozoa of the Infraorders Thalassinidea and Anomura (Decapoda, Crustacea). In: Jamieson, B.G.M., Ausio, J. and Justine, J.-L. (eds.) "Advances in Spermatozoal Phylogeny and Taxonomy." *Mémoires du Muséum national d'Histoire naturelle (Paris)*, 166: 251-263
50. **Tudge**, C. C. (1995b). "Hermit Crabs of the Great Barrier Reef and Coastal Queensland." School of Marine Science, The University of Queensland, Australia and Backhuys Publishers, Leiden. pp. 1-40
51. **Tudge**, C. C. (1995a). "The Ultrastructure and Phylogeny of Anomuran Crab Spermatozoa". Ph.D. Thesis, Zoology Department, The University of Queensland, Brisbane, Australia. pp. 1-346
52. **Tudge**, C. C. (1994). Comparative Ultrastructure of Hermit Crab Spermatozoa (Paguroidea, Anomura, Decapoda). Paper in the Proceedings of the Seventh International Spermatology Symposium, 9-14 October, 1994, Cairns, Australia. pp. 5.33-5.34
53. **Tudge**, C.C. and Justine, J.-L. (1994). The cytoskeletal proteins actin and tubulin in the spermatozoa of four decapod crabs (Crustacea, Decapoda). *Acta Zoologica (Stockholm)* 75: 277-285
54. **Tudge**, C.C., Grellier, P. and Justine, J.-L. (1994). Actin in the acrosome of the spermatozoa of the crab, *Cancer pagurus* L. (Decapoda, Crustacea). *Molecular Reproduction and Development* 38:178-186
55. Jamieson, B.G.M., **Tudge**, C.C. and Scheltinga, D.M. (1993). The ultrastructure of the spermatozoon of *Dromidiopsis edwardsi* Rathbun, 1919 (Crustacea: Brachyura: Dromiidae): Confirmation of a dromiid sperm type. *Australian Journal of Zoology* 41:537-548
56. **Tudge**, C.C. (1993). Hermit Crabs (Order Decapoda, Infraorder Anomura). In P. Mather and I. Bennett (eds) "A Coral Reef Handbook. A guide to the geology, flora and fauna of the Great Barrier Reef." Surrey Beatty & Sons, Sydney. pp 116-120
57. **Tudge**, C.C. (1992). Comparative ultrastructure of hermit crab spermatozoa (Paguroidea, Anomura, Decapoda). *Journal of Crustacean Biology* 12:397-409
58. **Tudge**, C.C. (1991). Spermatophore diversity within and among the hermit crab families, Coenobitidae, Diogenidae and Paguridae (Paguroidea, Anomura, Decapoda). *Biological Bulletin* 181:238-247

59. **Tudge**, C.C. and Jamieson, B.G.M. (1991). Ultrastructure of the mature spermatozoon of the Coconut Crab, *Birgus latro* (Coenobitidae, Paguroidea, Decapoda). *Marine Biology* 108:395-402
60. Jamieson, B.G.M. and **Tudge**, C.C. (1990). Dorippids are Heterotremata: evidence from ultrastructure of the spermatozoa of *Neodorippe astuta* (Dorippidae) and *Portunus pelagicus* (Portunidae) (Brachyura: Decapoda). *Marine Biology* 106:347-354

Conferences – Poster Presentations:

1. Preliminary Phylogenetic Analysis of Hermit Crab Relationships Based on Sperm and Spermatophore Morphology. 11th Meeting Willi Hennig Society, August, 1992, CNRS, Paris, France.
2. Hermit Crab Phylogeny: Evidence from Spermatozoal Ultrastructure and Spermatophores. 1st European Crustacean Conference, September, 1992, Muséum National d'Histoire Naturelle, Paris, France.
3. Sperm Phylogeny of the Anomura (Decapoda, Crustacea). 2nd European Crustacean Conference, September, 1996, University of Liège, Belgium.
4. The anomuran spermatophore (Decapoda, Crustacea): A definitive character. 2nd European Crustacean Conference, September, 1996, University of Liège, Belgium.
5. Spermatological Phylogeny of the Anomuran Crabs (Decapoda: Crustacea). Australian Systematic Biology National Conference, October, 1997, University of Adelaide, South Australia, Australia.
6. Marine cryptofauna survey of Yaqara Bay, Fiji: Finding the fauna before and after development. 38th European Marine Biology Symposium, Sept. 8-12, 2003, University of Aviero, Portugal (co-authored with S. Dunbar).
7. Reproductive biology of *Calcinus laevimanus* (Randall, 1840) (Anomura: Diogenidae) from Inhaca Island, southern Mozambique. 6th International Crustacean Congress, July 18-22, 2005, University of Glasgow, Scotland, UK (co-authored with C. Litulo & D. Abreu).
8. Spermatozoal ultrastructure in three Atlantic solenocerid shrimps (Decapoda, Dendrobranchiata). 6th International Crustacean Congress, July 18-22, 2005, University of Glasgow, Scotland, UK (co-authored with M. Scelzo & A. Medina).
9. Spermatozoal ultrastructure of the hermit crab *Loxopagurus loxochelis* (Moreira, 1901) (Anomura, Diogenidae) from the southwestern Atlantic. 6th International Crustacean Congress, July 18-22, 2005, University of Glasgow, Scotland, UK (co-authored with M. Scelzo & A. Medina).
10. The hermit crab preungual process revealed: SEM analysis of *Phimochirus holthuisi* (Paguridae). 6th International Crustacean Congress, July 18-22, 2005, University of Glasgow, Scotland, UK (co-authored with R. Lemaitre & S. Trunnell).
11. Morphological and morphometric appraisal of the spermatophore of the southern hermit crab *Isocheles sawayai* (Anomura: Diogenidae) from the Brazilian coast. The Crustacean Society Mid-Year Meeting, 14-17 October, 2007, Coquimbo, Chile (co-authored with F. Mantelatto & M. Scelzo).
12. Spermatophore morphology in the porcelain crab (*Pachycheles laevidactylus* Ortmann, 1892) (Decapoda, Anomura, Porcellanidae) from Argentine marine waters. The Crustacean Society Mid-Year Meeting, 14-17 October, 2007, Coquimbo, Chile (co-authored with M. Scelzo).

Conferences - Presented Papers:

1. Ultrastructure and Phylogeny of Hermit Crab Spermatozoa and Spermatophores (Paguroidea, Decapoda). Australian Marine Sciences Assoc. Conference, July, 1991, University of Queensland, Australia (paper).
2. Comparative Ultrastructure of Hermit Crab Spermatozoa (Paguroidea, Anomura, Decapoda). 7th International Spermatology Symposium, October, 1994, Cairns, Australia (paper).
3. Phylogenetic analysis of generic relationships within the mud-shrimp families, Callianassidae and Ctenochelidae (Crustacea: Decapoda: Thalassinidea: Callianassoidea). 1999 Summer meeting, The Crustacean Society, May, 1999, Lafayette, Louisiana, USA (paper).
4. Endemic and enigmatic: a review of the reproductive biology of *Aegla* (Crustacea: Decapoda: Anomura). 5th International Crustacean Congress and 2001 Summer meeting, The Crustacean Society, July 2001, The University of Melbourne, Victoria, Australia (paper).
5. Microstructure of the male sexual tube in pagurid hermit crabs (Crustacea, Decapoda, Anomura, Paguridae). 8th Colloquium Crustacea Decapoda Mediterranea, September 2002, Ionian Academy, Corfu, Greece (paper).
6. Systematics and evolution of the Thalassinidea (Crustacea, Decapoda). 6th International Congress of Systematic and Evolutionary Biology, September 2002, University of Patras, Patras, Greece (paper).

7. Phylogenetic position of *Aegla* based on molecular data revisited using direct optimization of DNA sequences. Summer meeting, The Crustacean Society, June 2003, Virginia Institute of Marine Science, William and Mary College, Williamsburg, Virginia (paper).
8. Molecular phylogeny of the Anomura and Thalassinidea. Workshop for the Graduate College at the Humboldt University & Berlin Natural History Museum, June 2003, Berlin, Germany (invited speaker).
9. Taking a closer look: current and future directions in anomuran morphology and reproduction. 6th International Crustacean Congress, July 18-22, 2005, University of Glasgow, Scotland, UK (keynote address).
10. Male sexual tube morphology in the land hermit crabs *Coenobita perlatus* and *Coenobita clypeatus* (Coenobitidae). 6th International Crustacean Congress, July 18-22, 2005, University of Glasgow, Scotland, UK (paper, co-authored with R. Lemaitre).
11. Functional morphology of the hermit crab male sexual tube (Decapoda, Anomura, Paguridae & Coenobitidae). 11th International Congress on Invertebrate Reproduction and Development, August 6-9, 2007, Smithsonian Tropical Research Institute, Panama City, Panama (paper, co-authored with R. Lemaitre).
12. Sperm morphology and its bearing on decapod phylogeny. *Advances in Decapod Crustacean Phylogenetics Symposium*, Society of Integrative and Comparative Biology (SICB) Annual Meeting, San Antonio, Texas, January 2-6, 2008 (invited speaker).
13. Fine structure of spermatophores and spermatozoa of *Calcinus tubularis*, *Clibanarius erythropus*, *Diogenes pugilator*, and *Paguristes eremita* (Decapoda, Anomura) and their bearing on a sperm phylogeny of the Diogenidae. IX Colloquium Crustacea Decapoda Mediterranea, Torino, Italy, September 2-6, 2008 (paper, co-authored with T. Tirelli, D. Silvestro, E. Campantico and D. Pessani).
14. Callianassidae and related families (Decapoda: Thalassinidea): progress towards a practical classification based on morphology and molecules. International Symposium on Advances in Crustacean Phylogenetics, Rostock, Germany, October, 7-11, 2008 (paper, co-authored with G. Poore, R. Robles, P. Dworschak and D. Felder).
15. Decapod Phylogeny: a unique spermatological perspective. International Symposium on Advances in Crustacean Phylogenetics, Rostock, Germany, October, 7-11, 2008 (invited speaker).
16. Totally unique: decapod spermatozoa and their role in crustacean spermiocladistics. Participant in a round table entitled "Reproduction as a complex puzzle: the interaction of morphology, physiology, ecology, behavior and phylogeny" at the Fifth Brazilian Crustacean Congress, Gramado, Brazil, November, 10-13, 2008 (invited speaker).
17. Sperm for fun and profit: morphology, molecules and evolution. Graduate and postgraduate seminar for the Departamento de Biologia da Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto, Universidade de São Paulo, SP, Brazil, November 18, 2008 (invited speaker).
18. Practical applications in decapod reproductive biology. Workshop and Mini-course for graduate and postgraduate students at the Departamento de Biologia da Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto, Universidade de São Paulo, SP, Brazil, November 17-19, 2008 (invited speaker).

Conferences - Symposium Organizer or Chairperson:

1. Systematics and Biology of the Anomura. 5th International Crustacean Congress and 2001 Summer meeting, The Crustacean Society, July 2001, The University of Melbourne, Victoria, Australia (Symposium co-organizer with R. Lemaitre & chairperson).
2. Patterns and Processes in Crustacean Evolution. 6th International Congress of Systematic and Evolutionary Biology, September 2002, University of Patras, Patras, Greece (Symposium organizer & chairperson).
3. Systematics Session. Summer meeting, The Crustacean Society, June 2003, Virginia Institute of Marine Science, William and Mary College, Williamsburg, Virginia (Chairperson).
4. Biology of the Anomura II. Symposium 8. 6th International Crustacean Congress, July 18-22, 2005, University of Glasgow, Scotland, UK (Symposium co-organizer with R. Lemaitre & Chairperson).
5. Reproductive Morphology Session. 11th International Congress on Invertebrate Reproduction and Development, August 6-9, 2007, Smithsonian Tropical Research Institute, Panama City, Panama (Chairperson).
6. IX Colloquium Crustacea Decapoda Mediterranea, Torino, Italy, September 2-6, 2008 (Scientific Committee)

Professional References:

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