

CURRICULUM VITAE
Gregory D. Edgecombe

Home: 20 St. Mary's Grove, Barnes SW13 0JA, UK
E-mail: greedgecombe@googlemail.com
Phone: + 44 (0)20 8788 9423

Work: Department of Earth Sciences, The Natural History Museum
Cromwell Road, London SW7 5BD, UK
E-mail: g.edgecombe@nhm.ac.uk
Phone: +44 (0)20 7942 6464

Date of Birth: 20 February, 1964

Citizenship: Australian, Canadian

CURRENT POSITIONS

Merit Researcher, The Natural History Museum (July 2013 – present)

Head of Division, Invertebrates and Plants Research, The Natural History Museum
(April 2015 – present)

Visiting Professor, Chulalongkorn University (July 2012 – present)

Associate in Invertebrate Zoology, Museum of Comparative Zoology, Harvard
University (July 2003 – present)

ACADEMIC QUALIFICATIONS

PhD, Columbia University, October 1991

MPhil, Columbia University, October 1990

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MSc, University of Alberta, November 1987

BSc (Honours), Acadia University, May 1985

PROFESSIONAL APPOINTMENTS

Research Leader, The Natural History Museum (March 2007 – present)

Australian Museum: Principal Research Scientist (July 2002 – February 2007); Senior Research Scientist (July 1995 – June 2002); Scientific Officer (October 1993 – June 1995)

Honourary Associate, School of Biological Sciences, University of Sydney (April 2001 – December 2007)

Adjunct Associate Professor (January 2006 – December 2008), Adjunct Senior Lecturer, University of New England (August 2000 – December 2005)

Sessional Lecturer, Department of Geology, University of Alberta (January – April 1992)

Natural Sciences and Engineering Research Council (Canada) Post-doctoral Fellow, University of Alberta (July 1991 – June 1993)

Kalbfleish Graduate Fellow, American Museum of Natural History, New York (September 1987 – May 1991)

SCIENTIFIC COMMITTEES

Council, Systematics Association (2015 – 2017)

Natural Environment Research Council (NERC) Peer Review College (2013 – 2015)

President, Centre International de Myriapodologie (2011 – 2017)

Advisory Council, International Society for Invertebrate Morphology (2011 – 2017)

International Assessor, Australian Research Council (2009 – present)

Vice-President, International Palaeontological Association (2006 – 2010)

Council, Linnean Society of New South Wales (2005 – 2007)

Corresponding Member, International Subcommittee on Cambrian Stratigraphy (1997 – present)

AWARDS

President's Medal, Palaeontological Association (2011)

Citation for Outstanding Contribution to Student Learning, Carrick Institute for Learning and Teaching in Higher Education (for Biosystematics course, University of New England) (2006)

Australian Academy of Science Fenner Medal for Distinguished Research in Biology (2004)

Best Paper, Journal of Paleontology (1999)

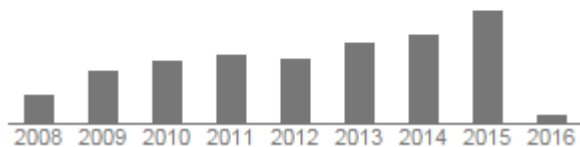
Honorable Mention, Best Paper, Journal of Paleontology (1991, 1990, 1988)

Donn Rosen Prize, Willi Hennig Society Annual Meeting (1989)

PEER-REVIEWED PUBLICATIONS

Google Scholar citations (February 2016)

Citation indices	All	Since 2011
Citations	8427	4776
h-index	42	31
i10-index	144	87



2016

240. Cong, P., Daley, A.C., Edgecombe, G.D., Hou, X. and Chen, A. 2016. Morphology of the radiodontan *Lyrarapax* from the early Cambrian Chengjiang biota. *Journal of Paleontology*, 90.

239. Edgecombe, G.D., Paterson, J.R. and García-Bellido, D.C. 2016. A new aglaspidid-like euarthropod from the early Cambrian Emu Bay Shale of South Australia. *Geological Magazine*, doi:10.1017/S0016756815001053

238. Giribet, G., Hormiga, G. and Edgecombe, G.D. 2016. The meaning of categorical ranks in evolutionary biology. *Organisms, Diversity & Evolution*, doi: 10.1007/s13127-016-0263-9

237. Paterson, J.R., García-Bellido, D.C., Jago, J.B., Gehling, J.G., Lee, M.S.Y. and Edgecombe, G.D. 2016. The Emu Bay Shale Konservat-Lagerstätte: a view of Cambrian life in East Gondwana. *Journal of the Geological Society of London*, 173:1-11.

236. Strausfeld, N.J., Ma, X.-Y., Edgecombe, G.D., Fortey, R.A., Land, M., Liu, Y., Cong, P.-Y. and Hou, X.-G. 2016. Arthropod eyes: The early Cambrian fossil record and divergent evolution of visual systems. *Arthropod Structure & Development*, 45, doi:10.1016/asd/2015.07.005.

235. Wilson, P., Parry, L.A., Vinther, J. and Edgecombe, G.D. 2016. Unveiling biases in soft-tissue phosphatization: extensive preservation of muscle in the Cretaceous (Cenomanian) polychaete *Rollinschaeta myoplana* (Annelida: Amphinomidae). *Palaeontology*, 59.

2015

234. Coulcher, J.F., Edgecombe, G.D. and Telford, M.J. 2015. Molecular developmental evidence for the subcoxal origin of pleurites in insects and identity of the subcoxa in the gnathal appendages. *Scientific Reports*, 5:15757.

233. Edgecombe, G.D. 2015. Diplopoda – Phylogeny, p. 353-362. In: Minelli, A. (ed.), *Treatise on Zoology – The Myriapoda*, Volume 2. Brill, Leiden.

232. Edgecombe, G.D. 2015. Diplopoda – Fossils, p. 337-351. In: Minelli, A. (ed.), *Treatise on Zoology – The Myriapoda*, Volume 2. Brill, Leiden.

231. Edgecombe, G.D., Ma, X. and Strausfeld, N.J. 2015. Unlocking the early fossil record of the arthropod central nervous system. *Philosophical Transactions of the Royal Society, Series B (Biological Science)*, 370:20150038.

230. Edgecombe, G.D., Vahtera, V., Giribet, G. and Kaunisto, P. 2015. Species limits and phylogeography of *Newportia* (Scolopendromorpha) and implications for widespread morphospecies. *ZooKeys*, 510:65-77.

229. Hilken, G., Edgecombe, G.D., Müller, C.H.G., Sombke, A., Wirkner, C.S. and Rosenberg, J. 2015. Interaction of the tracheal tubules of *Scutigera coleoptrata* (Chilopoda: Notostigmophora) with glandular structures of the pericardial septum. *ZooKeys*, 510:233-242.

228. Koch, M., Schulz, J. and Edgecombe, G.D. 2015. Tentorial mobility in centipedes (Chilopoda) revisited: 3D reconstruction of the mandibulo-tentorial musculature of Geophilomorpha. *ZooKeys*, 510:243-267.

227. Ma, X., Edgecombe, G.D., Hou, X., Goral, T. and Strausfeld, N.J. 2015. Preservational pathways of corresponding brains of a Cambrian euarthropod. *Current Biology*, 25:2969-2975.

226. Parry, L.A., Vinther, J. and Edgecombe, G.D. 2015. Cambrian stem-group annelids and a metameric origin of the annelid head. *Biology Letters*, 11:20150763.

225. Parry, L.A., Wilson, P., Sykes, D., Edgecombe, G.D. and Vinther, J. 2015. A new fireworm (Amphinomidae) from the Cretaceous of Lebanon identified from three-dimensionally preserved myoanatomy. *BMC Evolutionary Biology*, 15:256.
224. Paterson, J.R., Edgecombe, G.D. and Jago, J.B. 2015. The ‘great appendage’ arthropod *Tanglangia*: biogeographic connections between early Cambrian biotas of Australia and South China. *Gondwana Research*, 26:1667-1672.
223. Siritwut, W., Edgecombe, G.D., Sutcharit, C. and Panha, S. 2015. The centipede genus *Scolopendra* in mainland Southeast Asia: Molecular phylogenetics, geometric morphometrics and external morphology as tools for species delimitation. *PLoS ONE*, 10(8):e0135355.
222. Siritwut, W., Edgecombe, G.D., Sutcharit, C., Tongkerd, P. and Panha, S. 2015. First record of the African-Indian centipede genus *Digitipes* Attems, 1930 (Scolopendromorpha: Otostigminae) from Myanmar, and the systematic position of a new species based on molecular phylogenetics. *Zootaxa*, 3931:71-87.
221. Stoev, P., Akkari, N., Komerički, A., Edgecombe, G.D. and Bonato, L. 2015. At the end of the rope: *Geophilus hadesi* sp. n. – the world’s deepest cave-dwelling centipede (Chilopoda: Geophilomorpha: Geophilidae). *ZooKeys*, 510:95-114.

2014

220. Bonato, L., Edgecombe, G.D. and Minelli, A. 2014. Geophilomorph centipedes from the Cretaceous amber of Burma. *Palaeontology*, 57:97-100.
219. Cong, P., Ma, X., Hou, X., Edgecombe, G.D. and Strausfeld, N.J. 2014. Brain structure resolves the segmental affinity of anomalocaridid appendages. *Nature*, 513:538-542.
218. Daley, A.C. and Edgecombe, G.D. 2014. Morphology of *Anomalocaris canadensis* from the Burgess Shale. *Journal of Paleontology*, 88:68-91.
217. Dunn, C.W., Giribet, G., Edgecombe, G.D. and Hejnol, A. 2014. Animal phylogeny and its evolutionary implications. *Annual Review of Ecology, Evolution and Systematics*, 45:371-395.
216. Edgecombe, G.D. and Legg, D.A. 2014. Origins and early evolution of arthropods. *Palaeontology*, 57:457-468.
215. Fernández, R., Laumer, C.E., Vahtera, V., Libro, S., Kaluziak, S., Sharma, P.P., Pérez-Porro, A.R., Edgecombe, G.D. and Giribet, G. 2014. Evaluating topological conflict in centipede phylogenetics using transcriptomic datasets. *Molecular Biology and Evolution*, 31:1500-1513.

214. García-Bellido, D.C., Lee, M.S.Y., Edgecombe, G.D., Jago, J.B., Gehling, J.G. and Paterson, J.R. 2014. A new vetulicolian from Australia and its bearing on the chordate affinities of an enigmatic Cambrian group. *BMC Evolutionary Biology*, 14:214.
213. Ma, X., Aldridge, R.J., Siveter, D.J., Siveter, D.J., Hou, X. and Edgecombe, G.D. 2014. A new exceptionally preserved Cambrian priapulid from the Chengjiang Lagerstätte. *Journal of Paleontology*, 88:371-384.
212. Ma, X., Cong, P., Hou, X., Edgecombe, G.D. and Strausfeld, N.J. 2014. An exceptionally preserved arthropod cardiovascular system from the early Cambrian. *Nature Communications*, 5:3560.
211. Ma, X., Edgecombe, G.D., Legg, D.A. and Hou, X. 2014. The morphology and phylogenetic position of the Cambrian lobopodian *Diania cactiformis*. *Journal of Systematic Palaeontology*, 12:445-457.
210. Siriwut, W., Edgecombe, G.D., Sutcharit, C. and Panha, S. 2014. Brooding behavior of the centipede *Otostigmus spinosus* Porat, 1876 (Chilopoda: Scolopendromorpha: Scolopendridae) and its morphological variability in Thailand. *Raffles Bulletin of Zoology*, 62:339-351.
209. Vahtera, V. and Edgecombe, G.D. 2014. First molecular data and the phylogenetic position of the millipede-like centipede *Edentistoma octosulcatum* Tömösvary, 1882 (Chilopoda: Scolopendromorpha: Scolopendridae). *PLoS ONE*, 9(11):e112461.

2013

208. Daley, A.C., Paterson, J.R., Edgecombe, G.D., García-Bellido, D.C. and Jago, J.B. 2013. New anatomical information on *Anomalocaris* from the Cambrian Emu Bay Shale of South Australia and a reassessment of its inferred predatory habits. *Palaeontology*, 56:971-990.
207. Edgecombe, G.D. and Legg, D.A. 2013. The arthropod fossil record, p. 393-425. In: Minelli, A., Boxshall, G. and Fusco, G. (eds.), *Arthropod Biology and Evolution – Molecules, Development, Morphology*. Springer.
206. García-Bellido, D.C., Edgecombe, G.D., Paterson, J.R. and Ma, X. 2013. A “Collins’ monster”-type lobopodian from the Emu Bay Shale Konservat-Lagerstätte (Cambrian), South Australia. *Alcheringa*, 37:474-478.
205. García-Bellido, D.C., Paterson, J.R. and Edgecombe, G.D. 2013. Cambrian palaeoscolecid (Cycloneuralia) from Gondwana and reappraisal of species assigned to *Palaeoscolex*. *Gondwana Research*, 24:780-795.
204. Giribet, G. and Edgecombe, G.D. 2013. Stable phylogenetic patterns in scutigermorph centipedes (Myriapoda: Chilopoda: Scutigermorpha): dating the

diversification of an ancient lineage of terrestrial arthropods. *Invertebrate Systematics*, 27:485-501.

203. Giribet, G. and Edgecombe, G.D. 2013. The Arthropoda: a phylogenetic framework, p. 17-40. In: Minelli, A., Boxshall, G. and Fusco, G. (eds.), *Arthropod Biology and Evolution – Molecules, Development, Morphology*. Springer.

202. Joshi, J. and Edgecombe, G.D. 2013. Revision of the scolopendrid centipede *Digitipes* Attems, 1930, from India (Chilopoda: Scolopendromorpha): reconciling molecular and morphological estimates of species diversity. *Zootaxa*, 3626:99-145.

201. Lee, M.S.Y., Soubrier, J. and Edgecombe, G.D. 2013. Rates of phenotypic and genomic evolution during the Cambrian explosion. *Current Biology*, 23:1889-1895.

200. Legg, D.A., Sutton, M.D. and Edgecombe, G.D. 2013. Arthropod fossil data increase congruence of morphological and molecular phylogenies. *Nature Communications*, 4:2485.

199. Perez-Gelabert, D. and Edgecombe, G.D. 2013. Scutigermorph centipedes (Chilopoda: Scutigermorpha) of the Dominican Republic, Hispaniola. *Novitates Caribaea*, 6:36-44.

198. Simaiakis, S.M. and Edgecombe, G.D. 2013. Scolopendromorph centipedes (Chilopoda: Scolopendromorpha) in the Natural History Museum (London): A review of hitherto undescribed species collected in Africa, with remarks on taxonomy and distribution, and a new species of *Otostigmus* (*Parotostigmus*). *Zootaxa*, 3734:169-198.

197. Tanaka, G., Hou, X., Ma, X., Edgecombe, G.D. and Strausfeld, N.J. 2013. Chelicerate neural ground pattern in a Cambrian great appendage arthropod. *Nature*, 502:364-367.

196. Vahtera, V., Edgecombe, G.D. and Giribet, G. 2013. Phylogenetics of scolopendromorph centipedes: Can denser taxon sampling improve an artificial classification? *Invertebrate Systematics*, 27:578-602.

2012

195. Edgecombe, G.D., Vahtera, V., Stock, S.R., Kallonen, A., Xiao, X., Rack, A. and Giribet, G. A scolopocryptopid centipede (Chilopoda: Scolopendromorpha) from Mexican amber: synchrotron microtomography and phylogenetic placement using a combined morphological and molecular dataset. *Zoological Journal of the Linnean Society*, 166:768-786.

194. Giribet, G. and Edgecombe, G.D. 2012. Reevaluating the arthropod tree of life. *Annual Review of Entomology*, 57:167-186.

193. Kenrick, P., Wellman, C.H., Schneider, H. and Edgecombe, G.D. 2012. A timeline for terrestrialisation – consequences for the carbon cycle in the Palaeozoic. *Philosophical Transactions of the Royal Society, Series B (Biological Sciences)*, 367:519-536.

192. Koch, M. and Edgecombe, G.D. 2012. The preoral chamber in geophilomorph centipedes: comparative morphology, phylogeny and the evolution of centipede feeding structures. *Zoological Journal of the Linnean Society*, 165:1-62.

191. Legg, D.A., Sutton, M.D., Edgecombe, G.D. and Caron, J.-B. 2012. Cambrian bivalved arthropod reveals origin of arthrodisation. *Proceedings of the Royal Society, Series B (Biological Sciences)*, 279:4699-4704.

190. Ma, X., Hou, X., Aldridge, R.J., Siveter, D.J., Siveter, D.J., Gabbott, S.E., Purnell, M.A., Parker, A.R. and Edgecombe, G.D. 2012. Morphology of Cambrian lobopodian eyes from the Chengjiang Lagerstätte and their evolutionary significance. *Arthropod Structure and Development*, 41:495-504.

189. Ma, X., Hou, X., Edgecombe, G.D. and Strausfeld, N.J. 2012. Complex brain and optic lobes in an early Cambrian arthropod. *Nature*, 490:258-261.

188. Muadsub, S., Sutcharit, C., Pimvichai, P., Enghoff, H., Edgecombe, G.D., and Panha, S. 2012. Revision of the rare centipede genus *Sterropristes* Attems, 1934, with description of a new species from Thailand (Chilopoda: Scolopendromorpha: Scolopendridae). *Zootaxa*, 3484:35-52.

187. Paterson, J.R., García-Bellido, D.C. and Edgecombe, G.D. 2012. New arthropods from the early Cambrian Emu Bay Shale Konservat-Lagerstätte, South Australia. *Journal of Paleontology*, 86:340-357.

186. Vahtera, V., Edgecombe, G.D. and Giribet, G. 2012. Evolution of blindness in scolopendromorph centipedes (Chilopoda: Scolopendromorpha): insights from an expanded sampling of molecular data. *Cladistics*, 28:4-20.

185. Vahtera, V., Edgecombe, G.D. and Giribet, G. 2012. Spiracle structure in scolopendromorph centipedes (Chilopoda: Scolopendromorpha) and its contribution to phylogenetics. *Zoomorphology*, 131:225-248.

184. Waldock, J. and Edgecombe, G.D. 2012. A new genus of scolopendrid centipede (Chilopoda: Scolopendromorpha: Scolopendriini) from the central Australian deserts. *Zootaxa*, 3221:22-36.

2011

183. Bonato, L., Edgecombe, G.D. and Zapparoli, M. 2011. Chilopoda – Taxonomic overview, p. 363-443. In: Minelli, A. (ed.), *Treatise on Zoology – The Myriapoda*, Volume 1. Brill, Leiden.

182. Campbell, L.I., Rota-Stabelli, O., Edgecombe, G.D., Marchioro, T., Longhorn, S.J., Philippe, H., Telford, M.J., Rebecchi, L., Peterson, K.J. and Pisani, D. 2011. MicroRNAs and phylogenomics resolve the phylogenetic relationships of the Tardigrada, and suggest the velvet worms as the sister group of Arthropoda. *Proceedings of the National Academy of Sciences (USA)*, 108:15920-15924.
181. Edgecombe, G.D. 2011. Phylogenetic relationships of Myriapoda, p. 1-20. In: Minelli, A. (ed.), *Treatise on Zoology – The Myriapoda, Volume 1*. Brill, Leiden.
180. Edgecombe, G.D. 2011. Chilopoda – Phylogeny, p. 339-354. In: Minelli, A. (ed.), *Treatise on Zoology – The Myriapoda, Volume 1*. Brill, Leiden.
179. Edgecombe, G.D. 2011. Chilopoda – The fossil history, p. 355-361. In: Minelli, A. (ed.), *Treatise on Zoology – The Myriapoda, Volume 1*. Brill, Leiden.
178. Edgecombe, G.D., García-Bellido, D.C. and Paterson, J.R. 2011. A new leanchoiiliid megacheiran arthropod from the lower Cambrian Emu Bay Shale, South Australia. *Acta Palaeontologica Polonica*, 56:373-388.
177. Edgecombe, G.D., Giribet, G., Dunn, C.W., Hejnol, A., Kristensen, R.M., Neves, R.C., Rouse, G.W., Worsaae, K. and Sørensen, M.V. 2011. Higher-level metazoan relationships: recent progress and remaining questions. *Organisms, Diversity & Evolution*, 11:151-172.
176. Garwood, R.J. and Edgecombe, G.D. 2011. Early terrestrial animals, evolution and uncertainty. *Evolution: Education and Outreach*, 4:489-501.
175. Gehling, J.G., Jago, J.B., Paterson, J.R., García-Bellido, D.C. and Edgecombe, G.D. 2011. The geological context of the lower Cambrian (Series 2) Emu Bay Shale Lagerstätte and adjacent stratigraphic units, Kangaroo Island, South Australia. *Australian Journal of Earth Sciences*, 58:243-257.
174. Lee, M.S.Y., Jago, J.G., García-Bellido, D.C., Edgecombe, G.D., Gehling, J.G. and Paterson, J.R. 2011. Modern optics in exceptionally preserved eyes of Early Cambrian arthropods from Australia. *Nature*, 474:631-634.
173. Legg, D.A., Ma, X., Ortega-Hernández, J., Edgecombe, G.D. and Sutton, M.D. 2011. Lobopodian phylogeny reanalysed. *Nature*, 476:E2-E3.
172. Lopez-Gutierrez, B., MacLeod, N. and Edgecombe, G.D. 2011. Detecting taxonomic signal in an under-utilised character system: geometric morphometrics of the forcipular coxae of Scutigleromorpha (Chilopoda). *ZooKeys*, 156:49-66.
171. Murienne, J., Edgecombe, G.D. and Giribet, G. 2011. Comparative phylogeography of the centipedes *Cryptops pictus* and *Cryptops niuensis* (Chilopoda) in New Caledonia, Fiji and Vanuatu. *Organisms, Diversity & Evolution*, 11:61-74.

170. Paterson, J.R., García-Bellido, D.C., Lee, M.S.Y., Brock, G.A., Jago, J.B. and Edgecombe, G.D. 2011. Acute vision in the giant Cambrian predator *Anomalocaris* and the origin of compound eyes. *Nature*, 480:237-240.

169. Rota-Stabelli, O., Campbell, L., Brinkmann, H., Edgecombe, G.D., Longhorn, S.J., Peterson, K.J., Pisani, D., Philippe, H. and Telford, M.J. 2011. A congruent solution to arthropod phylogeny: phylogenomics, microRNAs and morphology support monophyletic Mandibulata. *Proceedings of the Royal Society, Series B (Biological Sciences)*, 278:298-306.

168. Waisfeld, B.G., Vaccari, N.E., Edgecombe, G.D. and Chatterton, B.D.E. 2011. The Upper Ordovician trinucleid trilobite *Bancroftolithus* from the Precordillera of Argentina. *Journal of Paleontology*, 85:1160-1180.

2010

167. Bonato, L., Edgecombe, G.D., Lewis, J.G.E., Minelli, A., Pereira, L.A., Shelley, R.M. and Zapparoli, M. 2010. A common terminology for the external anatomy of centipedes (Chilopoda). *ZooKeys*, 69:17-51.

166. Butler, A.D., Edgecombe, G.D., Ball, A.D. and Giribet, G. 2010. Resolving the phylogenetic position of enigmatic New Guinea and Seychelles Scutigermorpha (Chilopoda): a molecular and morphological assessment of Ballonemini. *Invertebrate Systematics*, 24:539-559.

165. Di, Z.Y., Cao, Z.-J., Wu, Y.-L., Yin, S.-J., Edgecombe, G.D. and Li, W.-X. 2010. Discovery of the centipede family Plutoniumidae (Chilopoda) in Asia: a new species of *Theatops* from China, and the taxonomic value of spiracle distributions in Scolopendromorpha. *Zootaxa*, 2667:51-63.

164. Edgecombe, G.D. 2010. Arthropod phylogeny: an overview from the perspectives of morphology, molecular data and the fossil record. *Arthropod Structure & Development*, 39:74-87.

163. Edgecombe, G.D. 2010. Palaeomorphology: fossils and the inference of cladistic relationships. *Acta Zoologica*, 91:72-80.

162. Edgecombe, G.D., Bonato, L. and Giribet, G. 2010. Brooding in *Mecistocephalus togensis* (Geophilomorpha: Placodesmata) and the evolution of parental care in centipedes (Chilopoda). *International Journal of Myriapodology*, 3:139-144.

161. Koch, M., Edgecombe, G.D. and Shelley, R.M. 2010. Anatomy of *Ectonocryptoides* (Scolopocryptopidae: Ectonocryptopinae) and the phylogeny of blind Scolopendromorpha (Chilopoda). *International Journal of Myriapodology*, 3:51-81.

160. Murienne, J., Edgecombe, G.D. and Giribet, G. 2010. Including secondary structure, fossils and molecular dating in the centipede tree of life. *Molecular Phylogenetics and Evolution*, 57:301-313.
159. Paterson, J.R., Edgecombe, G.D., García-Bellido, D.C., Jago, J.B. and Gehling, J.G. 2010. Nektaspid arthropods from the Lower Cambrian Emu Bay Shale Lagerstätte, South Australia, with a reassessment of lamellipedian relationships. *Palaeontology*, 53:377-402.
158. Shear, W.A. and Edgecombe, G.D. 2010. The geological record and phylogeny of the Myriapoda. *Arthropod Structure & Development*, 39:174-190.
157. Stoev, P., Akkari, N., Zapparoli, M., Porco, D., Enghoff, H., Edgecombe, G.D., Georgiev, T. and Penev, L. 2010. The centipede genus *Eupolybothrus* Verhoeff, 1907 (Chilopoda: Lithobiomorpha: Lithobiidae) in North Africa, a cybertaxonomic revision, with an interactive key to all species in the genus and the first use of DNA barcoding for the group. *ZooKeys*, 50:29-77.

2009

156. Bolton, S., MacLeod, N. and Edgecombe, G.D. 2009. Geometric approaches to the taxonomic analysis of centipede gonopods (Chilopoda: Scutigermorpha). *Zoological Journal of the Linnean Society*, 156:239-259.
155. Daley, A.C., Budd, G.E., Caron, J.-B., Edgecombe, G.D. and Collins, D. 2009. The Burgess Shale anomalocaridid *Hurdia* and its significance for early euarthropod evolution. *Science*, 323:1597-1600.
154. Edgecombe, G.D. 2009. Palaeontological and molecular evidence linking arthropods, onychophorans and other Ecdysozoa. *Evolution: Education and Outreach*, 2:178-190.
153. Edgecombe, G.D. 2009. A new species of *Parascutigera* (Chilopoda: Scutigermorpha) from Queensland, Australia. *International Journal of Myriapodology*, 2:155-166.
152. Edgecombe, G.D. and Giribet, G. 2009. Phylogenetics of scutigermorph centipedes (Myriapoda: Chilopoda) with implications for species delimitation and historical biogeography of the Australian and New Caledonian faunas. *Cladistics*, 25:406-427.
151. Edgecombe, G.D. and Koch, M. 2009. The contribution of preoral chamber and foregut morphology to the phylogenetics of Scolopendromorpha (Chilopoda). *Soil Organisms (Proceedings of the 14th International Congress of Myriapodology)*, 81:295-318.
150. Edgecombe, G.D., Minelli, A. and Bonato, L. 2009. A geophilomorph centipede (Chilopoda) from La Buzinie amber (Late Cretaceous: Cenomanian), SW France. *Geodiversitas*, 31:29-39.

149. García-Bellido D.C., Paterson, J.R., Edgecombe, G.D., Jago, J.B., Gehling, J.G. and Lee, M.S.Y. 2009. The bivalved arthropods *Isoxys* and *Tuzoia* with soft-part preservation from the lower Cambrian Emu Bay Shale Lagerstätte (Kangaroo Island, Australia). *Palaeontology*, 52:1221-1241.
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35. Chatterton, B.D.E., Edgecombe, G.D., Speyer, S.E., Hunt, A.S. and Fortey, R.A. 1994. Ontogeny and relationships of Trinucleoidea (Trilobita). *Journal of Paleontology*, 68:523-540.

34. Edgecombe, G.D. 1994. New Lower Silurian (Llandovery) encrinurine trilobites from the Mackenzie Mountains, Canada. *Journal of Paleontology*, 68:824-837.

33. Edgecombe, G.D. 1994. Calmoniid trilobites from the Devonian Fox Bay Formation, Falkland Islands: systematics and biogeography. In: Landing, E. (ed.), *Studies in Paleontology and Stratigraphy in Honor of Donald W. Fisher*. New York State Museum Bulletin, 481:55-68.

32. Edgecombe, G.D. and Ramsköld, L. 1994. Earliest Devonian phacopide trilobites from central Bolivia. *Paläontologische Zeitschrift*, 68:393-406.

31. Edgecombe, G.D., Vaccari, N.E. and Waisfeld, B.G. 1994. Lower Devonian calmoniid trilobites from the Argentine Precordillera: new taxa of the *Bouleia* Group, and remarks on the tempo of calmoniid radiation. *Geological Magazine*, 131:449-464.

30. Edgecombe, G.D., Waisfeld, B.G. and Vaccari, N.E. 1994. *Andinacaste* (Trilobita) from the earliest Devonian of Argentina. *Journal of Paleontology*, 68:837-841.

29. Ramsköld, L., Adrain, J.M., Edgecombe, G.D. and Siveter, D.J. 1994. The Silurian calymenid trilobite *Alcymene* n. gen., with new species from the Ludlow of Gotland, Sweden. *Journal of Paleontology*, 68:556-569.

28. Ramsköld, L. and Edgecombe, G.D. 1994. Revision of the Silurian encrinurine trilobite *Wallacia* Lamont, 1978, with species from Gotland and Canada. *Paläontologische Zeitschrift*, 68:89-115.

27. Vaccari, N.E., Waisfeld, B.G. and Edgecombe, G.D. 1994. Calmoniid trilobites of the Lower Devonian *Scaphiocoelia* Zone in the Argentine Precordillera. *Geobios*, 27:591-608.

26. Waisfeld, B.G., Edgecombe, G.D. and Vaccari, N.E. 1994. *Tormesiscus*, a new blind calmoniid trilobite from the Lower Devonian, Argentine Precordillera. *Geologica et Palaeontologica*, 28:27-43.

1993

25. Edgecombe, G.D. 1993. Silurian acastacean trilobites of the Americas. *Journal of Paleontology*, 67:535-548.

24. Edgecombe, G.D. 1993. A revision of the Devonian dalmanitid trilobite *Gamonedaspis*, p. 161-166. In: Suárez Soruco, R. (ed.), Fósiles y Facies de Bolivia, 2. Invertebrados y Paleobotánica. Revista Técnica de YPF, Santa Cruz.

23. Edgecombe, G.D. and Chatterton, B.D.E. 1993. Silurian (Wenlock-Ludlow) encrinurine trilobites from the Mackenzie Mountains, Canada, and related species. *Palaeontographica (A)*, 229:75-112.

22. Ramsköld, L. and Edgecombe, G.D. 1993. Silurian acastid trilobites from Gotland and Scania, Sweden. *Paläontologische Zeitschrift*, 67:261-285.

21. Romano, M., Chang, W.T., Dean, W.T., Edgecombe, G.D., Fortey, R.A., Holloway, D.J., Lane, P.D., Owen, A.W., Owens, R.M., Palmer, A.R., Rushton, A.W.A., Shergold, J.H., Siveter, D.J. and Whyte, M.A. 1993. Arthropoda (Trilobita), p. 279-296. In: Benton, M.J. (ed.), *The Fossil Record 2*. Chapman & Hall.

1992

20. Edgecombe, G.D. 1992. Trilobite phylogeny and the Cambrian-Ordovician "event": cladistic reappraisal, p. 144-177. In: Novacek, M.J. and Wheeler, Q.D. (eds.), *Extinction and Phylogeny*. Columbia University Press.

19. Edgecombe, G.D. and Chatterton, B.D.E. 1992. Early Silurian (Llandovery) encrinurine trilobites from the Mackenzie Mountains, Canada. *Journal of Paleontology*, 66:52-74.

18. Edgecombe, G.D. and Ramsköld, L. 1992. The Silurian encrinurine trilobite *Pacificurus*: new species from North America. *Journal of Paleontology*, 66:255-262.

17. Gass, K.C., Edgecombe, G.D., Ramsköld, L., Mikulic, D.G. and Watkins, R. 1992. Silurian Encrinurinae (Trilobita) from the central United States. *Journal of Paleontology*, 66:75-89.

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16. Carvalho, M. da G.P. and Edgecombe, G.D. 1991. Lower-Early Middle Devonian calmonioid trilobites from Mato Grosso, Brazil, and related species from Paraná. *American Museum Novitates*, 3022:1-13.

15. Edgecombe, G.D. 1991. *Morocconites* Struve, 1989, a Devonian acastine trilobite (Calmoniidae, Acastinae). *American Museum Novitates*, 2998:1-7.

14. Edgecombe, G.D. 1991. The Silurian dalmanitid trilobite *Glyptambon* Holloway: new species from Tennessee and Illinois. *Journal of Paleontology*, 65:294-300.

13. Lieberman, B.S., Edgecombe, G.D. and Eldredge, N. 1991. Systematics and biogeography of the "*Malvinella*" group, Calmoniidae (Trilobita, Devonian). *Journal of Paleontology*, 65:824-843.

12. Ramsköld, L. and Edgecombe, G.D. 1991. Trilobite monophyly revisited. *Historical Biology*, 4:267-283.

1990

11. Chatterton, B.D.E., Edgecombe, G.D., Siveter, D.J. and Hunt, A.S. 1990. Larvae and relationships of the Calymenina (Trilobita). *Journal of Paleontology*, 64:255-277.

10. Chatterton, B.D.E., Edgecombe, G.D. and Tuffnell, P.A. 1990. Extinction and migration in Silurian trilobites and conodonts of northwestern Canada. *Journal of the Geological Society, London*, 147:703-715.

9. Edgecombe, G.D. 1990. Encrinurine trilobites from the Silurian Brownsport Formation of Tennessee. *Journal of Paleontology*, 64:961-967.

8. Edgecombe, G.D. and Chatterton, B.D.E. 1990. *Mackenziurus*, a new genus of the Silurian "*Encrinurus*" *variolaris* plexus (Trilobita, Silurian). *American Museum Novitates*, 2968:1-22.

7. Edgecombe, G.D. and Chatterton, B.D.E. 1990. Systematics of *Encrinuroides* and *Curriella* (Trilobita), with a new Early Silurian encrinurine from the Mackenzie Mountains. *Canadian Journal of Earth Sciences*, 27:820-833.

1988

6. Edgecombe, G.D. 1988. The first report of a macroloxoceratine cephalopod from the North American Mississippian. *Journal of Paleontology*, 62:309-311.

5. Edgecombe, G.D., Speyer, S.E. and Chatterton, B.D.E. 1988. Protaspid larvae and phylogenetics of encrinurid trilobites. *Journal of Paleontology*, 62:779-799.

4. Jones, B., Pemberton, S.G. and Edgecombe, G.D. 1988. The influence of *Trypanites* in the diagenesis of Devonian stromatoporoids. *Journal of Paleontology*, 62:22-31.

1987

3. Edgecombe, G.D. 1987. Pseudorthoceratinae (Nautiloidea, Michelinoceratida) from the Lower Carboniferous of Nova Scotia, Canada. *Geologica et Palaeontologica*, 21:87-91.

2. Edgecombe, G.D. and Chatterton, B.D.E. 1987. An operculum of the Silurian nautiloid *Aptychopsis* from Arctic Canada. *Lethaia*, 20:63-65.

1. Edgecombe, G.D. and Chatterton, B.D.E. 1987. Heterochrony in the Silurian radiation of encrinurine trilobites. *Lethaia*, 20:337-351.

SUBMITTED FOR PUBLICATION

Fernández, R., Edgecombe, G.D. and Giribet, G. Exploring phylogenomic relationships within Myriapoda: should high matrix occupancy be the goal? *Systematic Biology*, <http://dx.doi.org/10.1101/030973>. Under revision.

Garwood, R.J., Edgecombe, G.D., Charbonnier, S., Chabard, D., Sotty, D. and Giribet, G. Carboniferous Onychophora from Montceau-les-Mines, France, and timing of onychophoran terrestrialization. *Invertebrate Biology*.

Joshi, J. and Edgecombe, G.D. Tracking the variability of phenotypic traits on a molecular phylogeny: an example from scolopendrid centipedes. *Organisms, Diversity & Evolution*. .

Lozano-Fernández, J., Carton, R., Tanner, A.R., Puttick, M.N., Blaxter, M., Vinther, J., Olesen, J., Giribet, G., M., Edgecombe, G.D. and Pisani, D. A molecular palaeobiological exploration of arthropod terrestrialisation. *Philosophical Transactions of the Royal Society, Series B (Biological Science)*. Under revision.

Siriwut, W., Edgecombe, G.D., Sucharit, C., Tongkerd, P. and Panha, S. A taxonomic review of the centipede genus *Scolopendra* Linnaeus, 1758 (Scolopendromorpha, Scolopendridae) in mainland Southeast Asia, with description of a new species from Laos. *ZooKeys*.

Vinther, J., Porras, L., Young, F., Budd, G.E. and Edgecombe, G.D. Giant mouth apparatus links priapulids and euarthropods. *Biology Letters*.

EDITED BOOKS

Adrain, J.M., Edgecombe, G.D. and Lieberman, B.S. (eds.) 2001. *Fossils, Phylogeny, and Form: An Analytical Approach*. Kluwer/Plenum, 402 p.

Edgecombe, G.D. (ed.) 1998. *Arthropod Fossils and Phylogeny*. Columbia University Press, 347 p.

REVIEWS AND POPULAR ARTICLES

11. Edgecombe, G. D. 2015. In a flap about flaps. *Current Biology*, 25:R503-R506.

10. Siriwut, W., Sutcharit, C., Tongkerd, P., Edgecombe, G.D. and Panha, S. 2015. Centipedes: Venomous soil fauna. Department of Biology, Faculty of Science, Chulalongkorn University, 12 p.

9. Edgecombe, G.D. 2009. The ever-enigmatic Ediacarans. Review of “The Rise of Animals”. *BioScience*, 59:527-528

8. Adrain, J.M. and Edgecombe, G.D. 2002. Trilobita. McGraw-Hill Encyclopedia of Science and Technology, ninth edition.
7. Wheeler, W.C., Giribet, G. and Edgecombe, G.D. 2002. Arthropods, p. 74-77. In: Pagel, M. (ed.), Encyclopaedia of Evolution. Oxford University Press.
6. Edgecombe, G.D. 2001. Centipedes: the great Australian bite. Nature Australia, Autumn 2001: 42-51.
5. Briggs, D.E.G. and Edgecombe, G.D. 1993. Beecher's Trilobite Bed. Geology Today, 9:97-102.
4. Briggs, D.E.G. and Edgecombe, G.D. 1992. The gold bugs. Natural History, 101 (11):36-43.
3. Edgecombe, G.D. 1992, 1996. Trilobita. McGraw-Hill Encyclopedia of Science and Technology, seventh and eighth editions.
2. Edgecombe, G.D. 1991. Phyla, phylogeny and fantasy. Review of "Wonderful Life: The Burgess Shale and the Nature of History". Cladistics, 7:101-103.
1. Edgecombe, G.D. 1989. Heterochrony craze. Review of "Heterochrony in Evolution: A Multidisciplinary Approach". Bioscience, 39:821-822.

WEB-BASED TOOLS

Bonato, L., Chagas, Jr., A., Dioguardi, R., Edgecombe, G.D., Lewis, J.G.E., Minelli, A., Pereira, L.A., Shelley, R.M., Stoev, P., Uliana, M. and Zapparoli, M. 2006 and onwards. CHILOBASE. A web resource for Chilopoda taxonomy.
<http://chilobase.bio.unipd.it/docs/chilobase.php>

EDITORIAL SERVICE

Ameghiniana, Member of Scientific Editorial Board (since 2013)

Proceedings of the Royal Society, Series B (Biological Sciences), Member of Editorial Board (2010 – 2012)

Arthropod Structure and Development, Member of Editorial Board (since 2010); Guest Editor of Special Issue, "Morphology and evolution of myriapods" (2014)

Zootaxa, Editor for Trilobita and Palaeozoic Arthropoda (2009 – 2011)

International Journal of Myriapodology, Member of Editorial Board (2008 – 2012)

Invertebrate Systematics, Editor (2008 – 2011), Member of Editorial Board (2003 – 2007)

Geodiversitas, Member of Scientific Board (since 2003)

Alcheringa, Member of Editorial Board (2002 – 2012)

Journal of Systematic Palaeontology, Associate Editor (since 2008), Member of Editorial Board (2002 – 2007)

Zoomorphology, Member of Editorial Board (since 2002)

Journal of Zoological Systematics and Evolutionary Research, Member of Editorial Board (2001 – 2011)

Records of the Australian Museum, Associate Editor (1997 – 2004)

POST-DOCTORAL FELLOWS

Peiyun Cong (from March 2016), Leverhulme Trust

Allison Daley (2011 – 2013), Swedish Research Council (currently Departmental Lecturer in Animal Diversity, University of Oxford; Associate Professor, Université de Lausanne from October 2016)

Xiaoya Ma, Leverhulme Trust (2011 – 2014), NERC Independent Research Fellow (2014 – 2019) (currently Professor, Yunnan University)

RESEARCH STUDENTS

Susan Burn, MSc (2015), Imperial College London

Jennifer Ellis, MSc (2015), Imperial College London

Luke Parry, PhD (since 2013), University of Bristol

Warut Siriwut, PhD (since 2012), Chulalongkorn University

David Legg, PhD (2013), Imperial College London (currently Oxford University Museum of Natural History Postdoctoral Fellow)

Beatriz Lopez Gutierrez, MRes (2011), Imperial College London

Eleanor Haines, MRes (2009), Imperial College London

Michelle Scott, MRes (2009), Imperial College London

Samuel Bolton, MRes (2008), Imperial College London

Richard Fautley, MRes (2008), Imperial College London

John R. Paterson, PhD (2005), Macquarie University (currently Professor, University of New England)

Lauren M. Hollington, BSc (Honours) (2001), University of Sydney

Malte C. Ebach, MSc (2000), University of Sydney (currently Senior Lecturer, University of New South Wales)

PhD THESIS EXAMINATIONS

University College London (2011)

National University of Ireland, Galway (2011)

Université de Lille (2011)

Imperial College London (2010)

University of Bristol (2009)

City University of New York (2009)

Humboldt-Universität zu Berlin (2009)

University of Cambridge (2008)

University of Melbourne (2004)

James Cook University (2003)

TEACHING

Imperial College/The Natural History Museum, MSc “Taxonomy and Biodiversity”, Palaeontology and Stratigraphy module: 3 lectures, 1 practical, marking (2008, 2010, 2012-2015)

University of New England, “Biosystematics” Residential School, 5 days of lectures annually (2000-2006)

University of Alberta, Department of Geology, “History of the Earth and Life”, >30 lectures (Spring 1992)

JOURNAL REVIEWS

Acta Palaeontologica Polonica; Acta Zoologica (Stockholm); Acta Zoologica Sinica; African Invertebrates; Alcheringa; Ameghiniana; Annalen des Naturhistorisches Museum in Wien; Arachnology; Arthropod Structure & Development; Arthropod Systematics & Phylogeny; Biodiversity Data Journal; Biologia; Biological Journal of the Linnean Society; Biology Letters; Biological Reviews; BMC Evolutionary Biology; BMC Neuroscience; Bulletin of the American Museum of Natural History; Bulletin of the Czech Geological Survey / Bulletin of Geosciences; Caldasia; Canadian Journal of Earth Sciences; Cladistics; Contributions to Zoology; Current Biology; Development, Genes and Evolution; Entomologica Fennica; Entomological News; Evo Devo; Evolution and Development; Evolution: Education & Outreach; Geodiversitas; Geological Magazine; GFF; Gondwana Research; International Journal of Myriapodology; Invertebrate Reproduction and Development; Invertebrate Systematics; Journal of Afrotropical Zoology; Journal of the Geological Society of London; Journal of Morphology; Journal of Paleontology; Journal of South American Earth Sciences; Journal of Systematic Palaeontology; Journal of Threatened Taxa; Lethaia; Memoirs of the Australasian Association of Palaeontologists; Memoirs of Museum Victoria; Molecular Phylogenetics and Evolution; Nature; Naturwissenschaften; Norwegian Journal of Entomology; Organisms, Diversity and Evolution; Oriental Insects; Palaeontologica Canadiana; Palaeontology; Palaeoworld; Paleobiology; Papéis Avulsos de Zoologia; PeerJ; Philosophical Transactions of the Royal Society; PLoS ONE; Precambrian Research; Proceedings of the Royal Society (Series B: Biological Sciences); Proceedings of the National Academy of Sciences, USA; Raffles Bulletin of Zoology; Revista Colombiana de Entomología; Revista de la Sociedad Entomológica Argentina; Revue de Paléobiologie; Science; Scientific Reports; Smithsonian Contributions to Paleobiology; Soil Organisms; Systematic Entomology; Systematic Zoology/Systematic Biology; Transactions of the Royal Society of Edinburgh: Earth Sciences; University of Kansas Paleontological Contributions; ZooKeys; Zoological Journal of the Linnean Society; Zoologischer Anzeiger; Zoomorphology; Zoosystema; Zootaxa

PROMOTION AND TENURE ASSESSMENTS

Pomona College (2015)
University of Bath (2013)
University of California Riverside (2012, 2014)
University of Kansas (2011, 2012, 2015)
Dartmouth College (2011)
University of Copenhagen (2008)
University of Chicago (2007)

INVITED LECTURES

Linnean Society of London Meeting, Arnold Arboretum, Harvard University (May 2016)

‘Phylogenie kontroversiell’ Lecture, Naturhistorisches Museum Wien (October 2015)

'Life, Earth and Environment' Seminar, University of New England (August 2015)

Linnean Society of London (March 2015)

'Evolution of Nervous Systems' Discussion Meeting, The Royal Society (March 2015)

Plenary, 3rd International Congress on Invertebrate Morphology, Berlin (August 2014)

'Zoology and Evolution' Block Course, Universität Basel (February 2014)

Department of Biology/Zoological Museum, University of Turku (January 2014)

Department of Biology, Chulalongkorn University, Bangkok (November 2013)

Unione Zoologica Italiana Spring School, 'Metazoan Phylogeny and Evolution', Venice (May 2013)

Lyell Meeting, 'The Cambrian Explosion', Geological Society of London (March 2013)

Amateur Geological Society (London) (December 2012)

Leicester Literary and Philosophical Society (November 2012)

The Lapworth Lecture, School of Geography, Earth and Environmental Sciences, University of Birmingham (October 2011)

'Arthropod Systematics' Symposium, Systematics Association 8th Biennial Conference, Belfast (July 2011)

'Macroevolution and the Modern Synthesis' Symposium, 3rd International Palaeontological Congress, London (July 2010)

Zoologisches Forschungsmuseum Alexander König, Bonn (June 2010)

Division of Earth Sciences, University of New England (May 2010)

Department of Geology and Geophysics, Yale University (November 2009)

Department of Earth Sciences, University of Oxford (November 2008)

Keynote, International Symposium 'Advances in Crustacean Phylogenetics', University of Rostock (October 2008)

Keynote, 1st International Congress on Invertebrate Morphology, Copenhagen (August 2008)

‘Updating the Linnean Heritage’ Symposium, Università di Padova (May 2008)

Department of Biology and Biochemistry, University of Bath (February 2008)

Evolution and Development Seminar, University of Cambridge (January 2008)

‘Origins of Major Groups’ Symposium, Palaeontological Association 51st Annual Meeting, Uppsala University (December 2007)

Department of Biology, University College London (October 2007)

Keynote, 9^o Congreso Argentino de Paleontología y Bioestratigrafía, Córdoba (September 2006)

Keynote, 13th International Congress of Myriapodology, Bergen (July 2005)

Muséum National d’Histoire Naturelle, Paris (May 2004)

Institut für Spezielle Zoologie und Evolutionsbiologie, Friedrich-Schiller-Universität Jena (May 2004)

Keynote, 12th International Congress of Myriapodology, Mtunzini, South Africa (July 2002)

Institut für Biologie, Freie Universität Berlin (September 2001)

International Symposium on the Relationships of Major Arthropod Groups, London (April 1996)

School of Geosciences, University of Wollongong (June 1995)

Facultad de Ciencias Exactas, Físicas y Naturales, Universidad Nacional de Córdoba (May 1993)

‘Cladograms and Evolutionary Processes’ Symposium, Entomological Society of America Annual Meeting, New Orleans (December 1990)

EXHIBITIONS

Project team, ‘Colour and Vision’, The Natural History Museum, 2015–2016

Project team, ‘More Than Dinosaurs: Evolution of Life’, Australian Museum, 1993–1995

Project team, 'Dinosaurs on the Move', Australian Museum, 1994

Scientific contributions to 'Biodiversity' (1998–1999), 'Australia's Lost Kingdoms' (1999), 'Uncovered' (2003–2004): Australian Museum; 'Darwin' (2008): The Natural History Museum

SYMPOSIUMS AND COURSES ORGANISED

'Arthropod phylogeny'. Short course, Fourth International Palaeontological Congress. Mendoza, Argentina, October 2014.

'Controversies about the morphological evolution of arthropods'. Second International Congress on Invertebrate Morphology. Cambridge, USA, June 2011.

'Palaeomorphology'. First International Congress on Invertebrate Morphology. Copenhagen, August 2008.

'Datos morfológicos y el análisis de la filogenia de artrópodos'. Short course, 9^o Congreso Argentino de Palaeontología y Bioestratigrafía. Córdoba, September 2006.

'Terrestrialisation: The conquest of land'. First International Palaeontological Congress. Sydney, July 2002.

'Phylogeny, morphometrics, and trilobite systematics'. Second International Trilobite Conference. St Catherines, August 1997.

FUNDING

2016-2018: Leverhulme Trust Research Grant, 'Anomalocaridids and the origin of arthropods: the view from Chengjiang'

2012-2013: Royal Society International Exchange (for J. Joshi, Indian Institute of Science), 'Exploring the relationship between molecular and morphology-based taxonomy of centipedes in a biodiversity hotspot: a case study of the genus *Digitipes* in the Western Ghats, India'

2012: National Geographic Society Research & Exploration Grant (co-Investigator, with J. Paterson), 'The early Cambrian Emu Bay Shale biota of Kangaroo Island – revealing exceptionally preserved fossils from Australia's only Burgess Shale-type deposit'

2011-2014: Leverhulme Trust Research Grant, 'Extrapolating the central nervous system of Cambrian ecdysozoans'

2010-2011: ASSEMBLE (Association of European Marine Biological Laboratories) Grant (with K. Worsaae and G. Rouse), 'Evolution of interstitial annelids'

2007-2009: Australian Research Council Linkage Grant (with M.S.Y. Lee, J.R. Paterson, J.G. Gehling, J.B. Jago), 'The Cambrian explosion of arthropods in Australia: Ediacaran origins, evolution and biodiversity'

2006-2008: National Science Foundation (with R. DeSalle, G. Giribet, R. Kristensen, M. Martindale, G. Rouse, E. Seaver, M. Sørensen, W. Wheeler), 'Assembling the Protostome Tree of Life'

2005-2008: Australian Biological Resources Study Grant, 'Systematics of Australian scutigermorph centipedes and the phylogeny of the Scutigermorpha based on morphological and molecular data'

2004-2006: GBIF (with A. Minelli, L. Bonato, A. Chagas, Jr., J.G.E. Lewis, L. Pereira, R. Shelley, P. Stoev, M. Zapparoli), 'A world catalogue of centipedes (Chilopoda) for the web'

2004-2005: National Science Foundation (with R. DeSalle, G. Giribet, R. Kristensen, M. Martindale, G. Rouse, E. Seaver, W. Wheeler), 'Assembling the Tree of Life: An integrated approach to the origin and diversification of protostomes'

2001: Visiting Lectureship, Graduiertenkolle, 'Evolutionäre Transformationen und Faunenschnitte', Humboldt-Universität zu Berlin

1999, 2000: New South Wales Biodiversity Strategy, 'Lithobiomorph centipedes of New South Wales'

1996-1998: Australian Research Council Large Research Grant, 'Evolutionary significance of Early Cambrian arthropods from China'

1995: Australian Geographic Research Grant (with A. Ritchie), 'Devonian fish and myriapods from southern New South Wales'

1993: Central Research Fund, University of Alberta (with B.D.E. Chatterton), 'Ordovician trilobites from Argentina'

1992: Central Research Fund, University of Alberta, 'Siluro-Devonian trilobites of South America'

1986: Boreal Institute for Northern Studies, 'Silurian encrinurine trilobites from the Mackenzie Mountains, Canada'