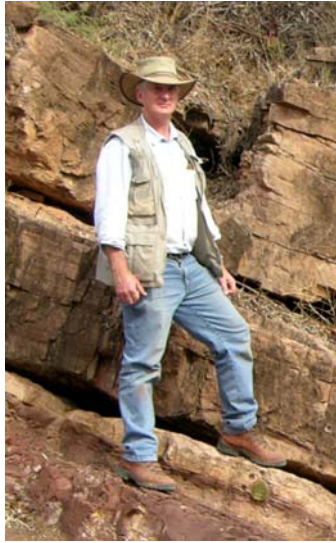


CURRICULUM VITAE



Jim Gehling



Ediacaran System — Wilpena Pound, South Australia

Full Name: James G. Gehling

Age: 60 years (September 20, 1946)

Career Summary :

2001 -	Senior Research Scientist. Palaeontology, South Australian Museum. Adjunct Senior Lecturer, School of Earth & Environmental Sciences, The University of Adelaide. Adjunct Assistant Professor, Queen's University, Kingston Ontario. Honorary Research Fellow, School of Geosciences, Monash University.
2000 - 2001	Honorary Research Associate in Palaeontology, South Australian Museum;
1998 - 2000	W. E. White Postdoctoral Research Fellow Queen's University, Kingston, ON, Canada.
1997 - 1998	Senior Lecturer University of South Australia, Mawson Lakes
1994 - 1996	Lecturer B University of South Australia, Salisbury Campus
1991 - 1993	Lecturer B University of South Australia, Magill Campus
1979 - 1990	Lecturer 2 Murray Park CAE / Hartley CAE / SACAE
1972 - 1978	Lecturer 1 Wattle Park Teachers College / Murray Park CAE.

Academic qualifications

B.Sc. (Hons.) Adelaide [1972]

M.Sc. Adelaide [1983] Title: *The stratigraphy and sedimentology of the late Precambrian Pound Subgroup.*

Ph.D. University of Californian, Los Angeles [1996] Title: *Taphonomy of the terminal Proterozoic Ediacara Biota, South Australia.*

Awards

- CSEOL Fellowship (Center for the Study of the Evolution and Origin of Life), US \$10,000, for two years of study at UCLA; Sept. 1992 - June 1994.
- Commonwealth Cathie Scholarship (6 months) for higher degree studies; 1993.
- William E, White Post-Doctoral Research Fellowship, Queen's University, Kingston, Ontario, Canada.

Research

Books:

Fedonkin, M. A., **Gehling**, J. G., Grey, K., Narbonne, G. M. and Vickers-Rich, P., 2006 (in press for 2007). *The Rise of Animals. Evolution and Diversification of the kingdom*

Animalia. Johns Hopkins Press, Washington, 302 pp (with 1477 illustrations, the majority in colour and a comprehensive appendix of all described Ediacaran metazoan taxa).

Refereed journal articles:

- Clapham, M.E., Narbonne, G.M., **Gehling**, J.G., Greentree, C., Anderson, M.M. **2004**. *Thectardis Avalonensis*: A New Ediacaran Fossil From The Mistaken Point Biota, Newfoundland. *Journal of Paleontology* 78,1031-1036.
- Clapham, M.E., Narbonne, G.M., and **Gehling**, J.G. **2003**. Paleoeology of the oldest-known animal communities: Ediacaran assemblages at Mistaken Point, Newfoundland. *Paleobiology* 29 (4): 527-544.
- Droser, M. L., **Gehling**, J.G. and Jensen, S.R. **2006**. Assemblage palaeoecology of the Ediacara biota: The unabridged edition? *Palaeogeography, Palaeoclimatology, Palaeoecology* 232, 131-147.
- Droser, M. L., **Gehling**, J. G., and Jensen, S. R. **2005**. Ediacaran trace fossils: true and false. D.E.G. Briggs, ed. *Evolving Form and Function: Fossils and Development: Proceedings of a symposium honoring Adolf Seilacher for his contributions to paleontology, in celebration of his 80th birthday*. New Haven; Peabody Museum of Natural History, Yale University. pp. 125-138.
- Droser, M. L., Jensen, S. and **Gehling**, J. G. **2004**. Development of early Palaeozoic ichnofabrics: evidence from shallow marine siliciclastics. In McIlroy, D. (ed) *The Application of Ichnology to Palaeoenvironmental and Stratigraphic Analysis. The Geological Society, London, Special Publications* 228, 383-396.
- Droser, M.L., Jensen, S., and **Gehling**, J.G. 2002. Trace fossils and substrates of the terminal Proterozoic-Cambrian transition: Implications for the record of early bilaterians and sediment mixing. *PNAS* 99 (20) 12572-12576.
- Droser, M.L., Jensen, S., **Gehling**, J.G., Myrow, P.M. and Narbonne, G.M. 2002. Lowermost Cambrian Ichnofabrics from the Chapel Island Formation, Newfoundland: Implications for Cambrian Substrates. *Palaios* 17, 3-15.
- Droser, M.L., **Gehling**, J.G., and Jensen, S., 1999. When the worm turned: concordance of Early Cambrian ichnofabric and trace fossil record in siliciclastics of South Australia. *Geology* 27, 625-628.
- Gehling**, J. G., Droser, M. L., Jensen, S. R. and Runnegar, B.N. **2005**. Ediacaran organisms: relating form and function. D.E.G. Briggs, ed. *Evolving Form and Function: Fossils and Development: Proceedings of a symposium honoring Adolf Seilacher for his contributions to paleontology, in celebration of his 80th birthday*. New Haven; Peabody Museum of Natural History, Yale University. pp. 43-67.
- Gehling**, J.G., Jensen, S., Droser, M.L., Myrow, P.M., and Narbonne, G.M. 2001. Burrowing below the basal Cambrian GSSP, Fortune Head, Newfoundland. *Geological Magazine* 138, 213-218.
- Gehling**, J.G., Narbonne, G.M., and Anderson, M.M. 2000. The first named Ediacaran body fossil: *Aspidella: terranovica* Billings 1872. *Palaeontology* 43, 427-456.
- Gehling**, J.G., 2000. Sequence stratigraphic context of the Ediacara Member, Rawnsley Quartzite, South Australia: a taphonomic window into the Neoproterozoic biosphere. *Precambrian Research* 100, 65-95.

- Gehling, J.G.**, 1999. Microbial mats in terminal Proterozoic siliciclastics: Ediacaran death masks: *Palaios* , 14, 40-57.
- Gehling, J.G.**, and Rigby, J.K., 1996. Long-expected sponges from the Neoproterozoic Ediacara Fauna, Pound Subgroup, South Australia. *Journal of Paleontology*, 70, 185-195.
- Gehling, J.G.**, 1991. The case for Ediacaran fossil roots to the metazoan tree. *Journal of Geological Society of India Memoir* 20, 181-224.
- Gehling, J.G.**, 1988. A cnidarian of actinian-grade from the Ediacaran Pound Subgroup, South Australia. *Alcheringa* 12, 299-314.
- Gehling, J.G.**, 1987. Earliest known echinoderm - a new Ediacaran fossil from the Pound Subgroup of South Australia. *Alcheringa* 11, 337-345.
- Grey, K., Williams, I.R., Martin, D.McB., Fedonkin, M.A., **Gehling, J.G.**, Runnegar, B.N. and Yochelson, E.L. 2002. New occurrences of 'string of beads' in the Bangemall Supergroup: a potential biostratigraphic marker horizon. Geological Survey of Western Australia, Annual Review 2000-01, 69-73.
- Jensen, S., Droser, M.L. and **Gehling, J.G.** 2005: Trace fossil preservation and the early evolution of animals. *Palaeogeography, Palaeoclimatology, Palaeoecology* 220, 19-29.
- Jensen, S., **Gehling, J.G.**, Droser, M.L. & Grant, S.W.F. 2002. A scratch circle origin for the medusoid fossil *Kullingia*. *Lethaia* 35, 291-299.
- Jensen, S., Saylor, B. Z., Gehling, J. G. and Germs, G. J. B., 2000. Complex trace fossils from the terminal Proterozoic of Namibia. *Geology*, 28, 143-146.
- Jensen, S., **Gehling, J.G.**, and Droser, M.L., 1998. Ediacaran-type fossils in Cambrian sediments. *Nature* 393, 567-569 (11June).
- Jell, P.A., Jago, J.B., and Gehling, J.G., 1992. A new conocoryphid trilobite from the Lower Cambrian of the Flinders Ranges, South Australia. *Alcheringa* 16, 189-200.
- Jenkins, R.J.F., Ford, C.H., and Gehling, J.G., 1983. The Ediacara Member of the Rawnsley Quartzite: the context of the Ediacara assemblage (late Precambrian, Flinders Ranges). *Journal of the Geological Society of Australia*, 30, 101-119.
- Jenkins, R.J.F. and Gehling, J.G., 1978. A review of frond-like fossils of the Ediacara assemblage. *Records of the South Australian Museum* 17, 347-359.
- Lin, J-P., Gon III, S.M., **Gehling, J.G.**, Babcock, L.E., Zhao, Y-L., Zhang, X-L., Hu, S-X. Yuan, J-L., Yu, M-Y. & Peng, J. 2006. A *Parvancorina*-like arthropod from the Cambrian of South China. *Historical Biology* 18, 33-45.
- Narbonne, G.M., and **Gehling, J.G.** 2003. Life after Snowball: the oldest complex Ediacaran fossils. *Geology*, 31, 27-30.
- Paterson, J.R., Jago, J., Brock, G., and **Gehling, J.G.** **in press**. Taphonomy and palaeoecology of the emuellid trilobite *Balcoracania dailyi* (early Cambrian, South Australia). *Palaeogeography, Palaeoclimatology, Palaeoecology* __, __ - __.
- Wood, D.A., Dalrymple, R.W., Narbonne, G.M., **Gehling, J.G.** and Clapham, M.E. 2003. Palaeoenvironmental analysis of the late Neoproterozoic Mistaken Point and Trepassy formations, southeastern Newfoundland. *Canadian Journal of Earth Sciences* 40, 1375-1391.

Non-refereed articles and field guides:

- Gehling, J.G.** 2004. The new Ediacaran Period and reference point in the Flinders Ranges. *Teaching Science* 50, 14-15.
- Grey, K., Laurie, J., and **Gehling, J.** 2005. The “New” Ediacaran Period. *AusGeo News* 80.
- Narbonne, G.M., **Gehling, J.G.**, Dalrymple, R.W., LaFlamme, M. and Boyce, D. *Life After Snowball: The Mistaken Point Biota and the Cambrian of Avalon*. Avalon Peninsula, Newfoundland, June 13-19, 2005.
- Gehling, J.G.** and Cooper, B.J. Establishing the Ediacaran Period. *The Australian Geologist* June 2005, 25-27.
- Gehling, J.G. Field Guide to the Ediacaran – Cambrian of the Flinders Ranges South Australia. UNESCO-IUGS/IGCP, *IGCP493 The Rise and Fall of the Vendian Biota*. South Australian Museum, 70 p., 2004.
- Narbonne, G.M., Dalrymple, R.W. & Gehling, J.G. *Neoproterozoic fossils and environments of the Avalon Peninsula, Newfoundland*. Field Trip Guide book B5, Geol. Assoc of Canada, St. John’s Newfoundland, May 31 - June 4 , 100p., 2001.
- Gehling, J.G. (Compiler), *Inaugural Sprigg Symposium*: Geological Society of Australia, Abstracts with Programme Volume 51, The University of Adelaide, June 24 - 25, 1998.
- Gehling, J.G. National Estate Grants Program: Register of Field Sites — Fossils of the Ediacara Fauna, Flinders Ranges, Stage 1, 1994.
- Gehling, J.G. Appreciation of Fossils in Australia. *Terminal Proterozoic System Circular* 7:12-14; 1992.
- Jago, J.B., Gehling, J.G. & Daily, B. *Cambrian sediments of the Sellick Hill-Carrickalinga Head area, Fleurieu Peninsula, South Australia*. In Parker A.J. (Compiler) One day geological excursions of the Adelaide Region. Geological Society of Australia, South Australia Division, 67-82; 1986.
- Gehling, J.G. (compiler) *Field Excursion to the Marinoan of the Adelaide Region..* Adelaide Geosyncline Sedimentary Environments and Tectonic Setting Symposium, December 10, 15 p., 1983.

Conference papers presented:

- Gehling, J.G.** and Droser, M.L. Ediacarans on the edge: environmental controls on diversity. Session 42: Earth-Time Symposium, Geological Society of America Annual meeting, Philadelphia PA, 21-25 October, **2006**.
- Droser, M.L. and **Gehling, J.G.** A full and varied Ediacara seafood platter with a slippery dip for chips: complexity of Ediacara ecosystems. Early Life and the Cambrian Explosion Symposium 121, Geological Society of America Annual meeting, Philadelphia PA, 21-25 October, 2006.
- Gehling, J.G.** Ediacaran life in the wake of the Acraman. Acraman Symposium and Field Workshop. Wilpena Resort, August 5-9, **2006**.

- Gehling, J.G., Droser, M.L., Jensen, S., Paterson, J. R. and Rice, D.** Fossil associations of the Ediacara biota: palaeoenvironmental and biostratigraphic interpretations. 2nd International Palaeontological Congress, Beijing, China, 17-21 June **2006**.
- Gehling, J.G., Droser, M.L. and Jensen, S.** Seaweeds from the gardens of Ediacara in South Australia. North American Paleontological Convention, Halifax, Nova Scotia, Canada, June 19-25, **2005**.
- Droser, M.L., **Gehling, J. G.** and Jensen, S. Ediacaran snap shots: picture perfect? North American Paleontological Convention, Halifax, Nova Scotia, Canada, June 19-25, **2005**.
- Jensen, S., **Gehling, J.G.** and Droser, M.L. Ediacaran trace fossils. North American Paleontological Convention, Halifax, Nova Scotia, Canada, June 19-25, **2005**.
- Laflamme, M., Narbonne, G.M; Greentree, C., **Gehling, J.G.** and Anderson, M.M. the Ediacaran frond *Charnia* from the Avalon Zone, Newfoundland. North American Paleontological Convention, Halifax, Nova Scotia, Canada, June 19-25, **2005**.
- Gehling, J.G., Droser, M.L. and Jensen, S.** Ediacara organisms: relating form to function. Seilacher Symposium, Yale University, April 1-2, **2005**.
- Droser, M.L., Gehling, J.G., and Jensen, S. Ediacaran trace fossils: true and false. Seilacher Symposium, Yale University, April 1-2, **2005**.
- Droser, M.L., **Gehling, J.G., Rice, D., Mrofk, D. D., and Kennedy, M.J.** Ecology of the Ediacaran Explosion. Session G17.08 - Fossil Lagerstätten. Geological Society of America Abstracts with Program, **2004**.
- Gehling, J.G.** Conservation of Ediacaran fossil sites by community action. Session G08.07 Promoting geosciences through public outreach and communication. 32nd IGC, Florence 20-28 Aug, **2004**.
- Gehling, J.G.** Fleshing out the Ediacaran. IGCP493: Rise and fall of the Vendian Biota. Workshop, Prato Italy, 30-31 Aug. **2004**.
- Droser, M.L., **Gehling, J.G., and Jensen, S.** Taphonomy and paleoecology of Ediacaran assemblages (Flinders Ranges, South Australia): Do we have a census? 32nd IGC, Florence 20-28 Aug, **2004**.
- Vickers-Rich, P, **Gehling, J.G.,** and Fedonkin, M. 2003. Beginnings of Animal Life on Earth. Science Teachers Association of New South Wales, Annual Conference, 5-6 Dec., 2003, Macquarie University.
- Droser, M.L., Gehling, J.G., and Jensen, S. Voyage to the bottom of the Ediacaran sea: what's missing from the picture? Geological Society of America Abstracts with Program 40-8, 2003.
- Gehling, J.G.** Evidence and absence of Ediacaran style fossil assemblages in the Proterozoic. Geological Society of America Abstracts with Program 156-9, 2003.
- Gehling, J.G., Droser, M.L., and Jensen, S.** Ediacaran fossil myths. Geological Society of America Abstracts with Program 204-2; 2003.
- Narbonne, G.M., Gehling, J.G. and Clapham, M.E. Life after snowball: the Mistaken Point biota and the origin of animal ecosystems. Geological Society of America Abstracts with Program 210-3, 2003.
- Gehling, J. G., and Narbonne, G.M.** Zonation of the terminal Proterozoic (Ediacarian). Inaugural International Palaeontological Congress, Macquarie University. Geological Society of Australia Abstracts 68, 63. July 5-11, 2002.

- Narbonne, G.M. and Gehling, J.G. Life after snowball: the oldest complex Ediacaran fossils. Inaugural International Palaeontological Congress, Macquarie University. July 5-11, 2002.
- Gehling, J.G., Runnegar, B., Jensen, S., and Droser, M.L.** Palaeobiology of Ediacaran trace fossils. Inaugural International Palaeontological Congress, Macquarie University. July 5-11, 2002
- Gehling, J.G.** Evolving Myths: Dragon's Teeth to Snowball Earth. Keynote Paper. Museums Australia National Conference. Adelaide, March 18-22, 2002.
- Gehling, J.G. Evolution, environment and provinces of the Ediacara biota: toward a subdivision of the terminal Proterozoic, Abstracts GAC-MAC St. John's 2001, May 26-30, 2001
- Gehling, J. G., and Narbonne, G. M., Jensen, S., and Droser, M. L., Simultaneous appearance of Ediacaran trace fossils and bilateral body fossils: implications for animal evolution. Geological Society of America Annual Meeting, Denver, Abstracts with Programs, A-362, October 24-28, 1999.
- Droser, Mary L., Li, X., Jensen, S., Wood, R., Gehling, J. and Runnegar, B. The Precambrian-Cambrian Radiation and the diversification of sedimentary fabrics. Geological Society of America Annual Meeting, Denver, Abstracts with Programs, A-334, October 24-28, 1999.
- Dalrymple, R.W., Gehling, J.G., and Narbonne, G.M. Storm-dominated sedimentation in a tectonically active basin: implications for the paleoecology of the Ediacaran biota at Mistaken Point, Newfoundland. Geological Society of America Annual Meeting, Denver, Abstracts with Programs, A-362, October 24-28, 1999.
- Runnegar, B. and Gehling, J.G., *Understanding the Ediacaran organisms: how to proceed?* Geological Society of America Annual Meeting, Toronto, Abstracts with Programs, A-147, October 26-29, 1998.
- Narbonne, G.M. and Gehling, J.G., *Is Aspidella the first described Ediacaran body fossil?* Geological Society of America Annual Meeting, Toronto, Abstracts with Programs, A-233, October 26-29, 1998.
- Gehling, J.G., Droser, M.L. and Jensen, S., *Closing a taphonomic window on Ediacaran-type fossils in Early Cambrian sediments.* Geological Society of America Annual Meeting, Toronto, Abstracts with Programs, A-233, October 26-29, 1998.
- Droser, M.L., Jensen, S. and Gehling, J.G., *The first grave robbers: Early Cambrian ichnofabric.* Geological Society of America Annual Meeting, Toronto, Abstracts with Program, A-233, October 26-29, 1998.
- Gehling, J.G., Droser, M.L., Jensen, S., & Runnegar, B.N., *Similar cycles - different strokes: closing a taphonomic window across the Precambrian-Cambrian boundary* Geological Society of Australia, Volume 51, Inaugural Sprigg Symposium, The University of Adelaide, June 24 - 25, 1998.
- Gehling, J.G. *Ediacaran death masks in microbial mat bound sand.* Geological Society of America, 1997 Annual Meeting, Salt Lake City, Abstracts with Programs.
- Gehling, J.G. *New fossils from the Neoproterozoic Ediacara biota of South Australia.* Sixth North American Paleontological Convention, Washinton D.C., 9-12 June, 1996.

- Gehling, J.G., Runnegar, B.N., and Seilacher, A., 1995, Rasping marks of large metazoan grazers, terminal Proterozoic of Australia and Late Cambrian of Saudi Arabia: in Hine, A. C., and Halley, R.B., eds., *Linked Earth systems*, p. 57-58.
- Runnegar, B.N., Gehling, J.G., Horodyski, R.J., Jensen, S., and Knauth, L., 1995, Base of the Sauk sequence is a global eustatic event that lies just above the Precambrian-Cambrian boundary: *Geological Society of America Abstracts with Programs*, v. 27, no. 6, p. A330.
- Runnegar, B. & Gehling, J.G. *Fleshing out Ediacaran organisms: functional morphology of four core taxa*. Australasian Palaeontological Convention -94. Macquarie University North Ryde, NSW. 7-9 February, 1994.
- Gehling, J.G. *Late Precambrian Ediacara beds: a submarine valley fill, Wilpena area, South Australia*. Fifth Australian Geological Convention, Perth, Geol. Soc. Aust. Abstracts 3, 31; 1981.
- Horodyski, R. J., Gehling, J.G., Jensen, S., & Runnegar, B. *Ediacara fauna and earliest Cambrian trace fossils in a single parasequence set, Southern Nevada*. Geological Society of America Meeting, Abstracts 1994.
- Gehling, J.G. & Runnegar, B. *Stratigraphic context of the Ediacara fauna in Namibia, Nevada and South Australia*. Australasian Palaeontological Convention -94. Macquarie University North Ryde, NSW. 7-9 February, 1994.
- Gehling, J.G. *The earliest known poriferans: Bath Tub sponges from the Ediacara fauna of South Australia*. California Paleontology Conference Abstracts, PaleoBios 14, Supplement to No. 4., 6-7; 1993.
- Gehling, J.G. *The case for Ediacaran fossil roots to the metazoan tree*. Canadian Paleontology and Biostratigraphy Seminar. Queen's University, Kingston, Ontario. Sept. 28 - Oct. 1, 1990b.
- Gehling, J.G. *Depositional sequences of the Latest Proterozoic to Early Cambrian in the Adelaide Geosyncline, South Australia*. Geol. Assoc. Canada, Nuna Research Conference. "Late Proterozoic glaciation, rifting and eustasy, as illustrated by the Windermere Supergroup". British Columbia. Abstracts pp. 14-15; Sept. 8-16, 1990a.
- Gehling, J.G. *A cnidarian of actinian-grade from the Pound Subgroup, South Australia*. 12th. International Symposium on Fossil Cnidaria. Brisbane, 24-29 July, 1988.
- Gehling, J.G. *Two fossil assemblages from the Ediacara Member of the Pound Subgroup, South Australia*. Abstracts of the International Symposium on the Terminal Precambrian and Cambrian Geology, Chinese Academy of Geological Sciences, Yichang; August, 1987.
- Gehling, J.G. *Algal binding of siliciclastic sediments : a mechanism in the preservation of Ediacaran fossils*. 12th. International Sedimentological Congress, Canberra, Abstracts 117; 24-30 August, 1986.
- Gehling, J.G. *New Ediacaran fossils from the Flinders Ranges, South Australia*. 27th International Geological Congress, Moscow, 4-14 August, 1984b.
- Gehling, J.G. *Sedimentary environments for the preservation of Ediacaran metazoa of South Australia*. 27th. International Geological Congress, Moscow, 4-14 August, 1984a.
- Gehling, J.G. *The Ediacara Member a shallowing upward submarine fan sequence within the Pound Subgroup*. Adelaide Geosyncline Sedimentary Environments and

Tectonic Settings Symposium, Abstracts 10, Adelaide, Geol. Soc. Aust., South Australian Division, Dec.9, 1983.

Public Lectures (2003-6)

- Gehling, J.G. Stanhope Oration: "The Search for Deep Origins". Conference of Australian Science Teachers Association, Elder Hall, University of Adelaide, 11 July 2006.
- Gehling, J.G. *Flinders Ranges Fossils Heritage*. Out of the Glass Case, Palaeontology Week, Wilpena Resort, March 31, 2006.
- Gehling, J.G. *Overturning the Ediacara biota: community structure of the oldest animal ecosystems*. Royal Society of South Australia. 10 November 2005.
- Gehling, J.G. *Role of Art, in Appreciation of Geology and Geomorphology*. Opening of Blinman Art Show, Blinman Institute, South Australia. 25 September 2005.
- Gehling, J.G. *Ediacaran GSSP & Flinders Geological Heritage*. Flinders Ranges Tourism Operators Association at the *Geotourism Forum*, Quorn, South Australia. 17 August 2005.
- Gehling, J.G. Evolving an Australian Mythology. Presentation to Adelaide Club, at SA Museum, July 12, 2005.
- Gehling, J.G. 2005 Flinders Ranges Geological Heritage. Talk to Hawker Community, Hawker Area School, May 23, 2005.
- Gehling, J.G. and Vickers-Rich, P. 2005. *Creatures of the Slime*. Presentation at World Stamp Expo, Sydney Exhibition Centre for launch of Ediacara fossil stamp series. April 22..
- Gehling, J.G. 2005, Conserving Fossil Heritage in South Australia. AGM of Friends of Flinders Ranges National Park, February 24, 2005.
- Gehling, J.G. 2004. "The end of snowball Earth and the entry of animals: the Ediacaran Period", Geological Society of Australia, South Australian Branch, Annual General Meeting, April 8.
- Gehling, J.G. 2004. "Origin of Animals: a window to the Flinders Ranges" Waterhouse Club Dinner, March 27.
- Vickers-Rich, P., Fedonkin, M.A. and Gehling, J.G. 2003. "The Precambrian fauna of Russia, Australia and Namibia" New South Wales Science Teachers Conference, Macquarie University, December 5.
- Gehling, J.G. 2003. "Fossils from a frozen ocean". South Australian Public Lecture Series, September 17.
- Gehling, J.G. 2003. "Ediacaran Period: Life after Snowball". South Australian Geology Teachers Association, SSABSA Workshop, November 28.

Research Grants

- Lee, M.S.; Paterson, J.R.; Gehling, J.G. Edgecombe, G.D. and Jago, J.B. The Cambrian Population Explosion of Arthropods in Australia: Ediacaran origins, evolution and biodiversity. ARC Linkage Project LP0774959, University of Adelaide, Beach Petroleum, SA Museum: (\$270,000), 2007-2009.

- Gehling, J.G., Droser, M.L. and Jensen, S. Overturning the Ediacara biota: community structure of the oldest animal ecosystems. ARC Discovery Project Grant (\$130,000), 2004-2007.
- Droser, M.L., Gehling, J.G. and Jensen, S Taphonomy and paleoecology of Ediacaran assemblages (Flinders Ranges, South Australia): do we have a census? NSF Grant, (\$240,000), 2004-2007.
- Droser, M., (PI) University of California, Riverside, Jensen, S. (UC, Riverside), and Gehling, J.G. (SA Museum & Uni. S.A.). Trace fossils, ichnofabrics and problematic sedimentary structures at the terminal Proterozoic-Cambrian transition: implications for the early evolution of animals and their habitats. National Science Foundation Grant, 2000-2003.
- Droser, M., (PI) University of California, Riverside, Gehling, J.G. (Uni.SA), and Jensen, S. (Cambridge Uni.) "The establishment of bioturbation during the Precambrian - Cambrian biological revolution." National Geographic Society; (5945-97), US\$24,000; 1997.
- Gehling, J.G., "Neoproterozoic Ediacara biota of Australia, Newfoundland and Namibia." Faculty of Engineering and the Environment; \$4,000; 1996.
- Runnegar, B. (PI) (UCLA), and associate investigators Gehling, J.G., (Uni. SA) Jensen, S., (Uni. Cambridge), and Saltzman, M. (UCLA), "Paleontology and biostratigraphy of the terminal Proterozoic and earliest Cambrian Nama Group, southern Namibia." National Science Foundation; 1996.
- Clark, I.F. and Gehling, J.G., "Multimedia teaching in Earth Science." Uni. SA Quality Teaching Grant; \$16,000; 1995-96.
- Gehling, J.G., "Ediacara fossils: preservation of the oldest known soft bodied animals." Precompetitive Research grant; (84570-78), \$10,000; 1993.
- Gehling, J.G., "Ediacara fossils: preservation and palaeobiology." Internal Small Research Grant and Precompetitive Research grant; (85618-78) \$3000; (84524); \$5000; 1992.

Professional Memberships:

- Geological Society of Australia Inc. Executive committee of the South Australian Division (1981-1984; 1994 - 1998).
- Association of Australasian Palaeontologists.
- Royal Society South Australia.
- Paleontological Society.

Science Promotion

- 28-31/7/06 – 1/08/06: Waterhouse Expedition to Ediacara and Brachina Gorge, Flinders Ranges (organizer, Tim Tolley) with three lectures on Ediacara fossils and Ediacaran geology.
- 28-31/8/06 – 1/09/06: Filming at SA Museum and Flinders Ranges National Park by ABC TV for *Catalyst*.

- 9-10/10/06: Gondwana Dreaming geotour of Ajax Mine fossil reefs and Ediacara Conservation Reserve, with a lecture on presented on Ediacara Biota.
- 15-17/10/06: Filming for documentary: “Earth a Biography” in Brachina Gorge, Flinders Ranges National Park and South Australian Museum for BBC TV.