

**Associate Professor Neil Taylor**  
**Publications List**

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**Books**

- Vlaardingerbroek, B. & Taylor, N. (Eds). (2010). *Getting into varsity: Comparability, convergence and congruence*. New York: Cambria Press.
- Littledyke, M., Taylor, N., & Eames, C. (Eds). (2009). *Education for sustainability in the primary curriculum: a guide for teachers*. Melbourne: Palgrave Macmillan.
- Taylor, N, Littledyke, M., Eames, C. & Coll, R. K. (Eds). (2009). *Environmental education in context: an international perspective on the development of environmental education*. Rotterdam: Sense Publishers.
- Vlaardingerbroek, B. & Taylor, N. (Eds). (2009). *Secondary school external examination systems: A global overview of a robust educational phenomenon*. New York: Cambria Press.
- Coll R.K., & Taylor, N. (Eds.). (2008). *Science education in context: An international perspective of the influence of context on science curriculum development, implementation and the student-experienced curriculum*. Rotterdam: Sense Publishers.
- Gaynor, W., Pene, F. & Taylor, N. (2000). *Pacific Science: Teachers' resource book* (pp. 163). Wellington, New Zealand: Learning Media Limited.
- Taylor, N. (1999). *Pacific primary science: A guide for teachers* (pp. 57). (2<sup>nd</sup> edition). Paris, France: UNESCO.
- Taylor, N. (1993). *Pacific primary science: A guide for teachers* (pp. 41). Paris, France: UNESCO.
- Benson, C., & Taylor, N. (Eds.). (1992). *Proceedings of the Pacific Teacher Education Forward Planning Conference* (pp. 146). Suva, Fiji: University of the South Pacific.

**Pacific Environmental Science Series**

- Taylor, N. (1999). *The lives of insects* (pp. 16). Auckland, New Zealand: Pearson Education Limited.
- Taylor, N., & Thaman, R. (1999). *Plants of the Pacific Islands* (pp. 16). Auckland, New Zealand: Pearson Education Limited.
- Taylor, N., & Watling, D. (1999). *Birds of the islands* (pp. 16). Auckland, New Zealand: Pearson Education Limited.
- Taylor, N., & Keats, D. W. (1995). *Crabs at the shore* (pp. 16). Auckland, New Zealand: Longman Paul.
- Taylor, N., & Keats, D. W. (1995). *Life in the mangroves* (pp. 16). Auckland, New Zealand: Longman Paul.
- Taylor, N., & Keats, D. W. (1995). *The coral reef community* (pp. 16). Auckland, New Zealand: Longman Paul.

**Book chapters**

- Vlaardingerbroek, B., & Taylor, N. (2010). Synthesis: Comparability, Convergence and Congruence? In B. Vlaardingerbroek & N. Taylor (Eds). *Getting into varsity: Comparability, convergence and congruence* (pp. 295-303), New York: Cambria Press.
- Coll, R. K., & Taylor, N. (2010). An international perspective of science curriculum development and implementation. In B. Fraser, K. Tobin, & C. MacRobbie (Eds). *International Handbook of Science Education (2<sup>nd</sup> Edition)*.
- Taylor, N, Littledyke, M., & Eames, C. (2009). Why do we need to teach Education for sustainability at the primary level? In M. Littledyke, N. Taylor, & C. Eames (Eds). *Education for sustainability in the primary curriculum: a guide for teachers* (pp. 1-7), Melbourne: Palgrave Macmillan.
- Littledyke, M., & Taylor, N, (2009). Education for Sustainability in primary science. In M. Littledyke, N. Taylor, & C. Eames (Eds). *Education for sustainability in the primary curriculum: a guide for teachers* (pp. 77-100), Melbourne: Palgrave Macmillan.
- Taylor, N, Littledyke, M., Eames, C. & Coll, R. K. (2009). Environmental education in context: An overview, and some observations. In N. Taylor, M. Littledyke, C. Eames, & R. K. Coll, (Eds). *Environmental education in context: an international perspective on the development of environmental education* (pp. 3-6), Rotterdam: Sense Publishers.
- Taylor, N, Littledyke, M., Eames, C. & Coll, R. K. (2009). Environmental education in context: Observations, conclusions and some recommendations. In N. Taylor, M. Littledyke, C. Eames, & R. K. Coll, (Eds). *Environmental education in context: an international perspective on the development of environmental education* (pp. 319-326), Rotterdam: Sense Publishers.
- Taylor, N, Taloga, K. & Tagivakatini, S. (2009). Environmental education in Fiji: Issues of curriculum and consumption In N. Taylor, M. Littledyke, C. Eames, & R. K. Coll, (Eds). *Environmental education in context: an international perspective on the development of environmental education* (pp. 29-36), Rotterdam: Sense Publishers.
- Vlaardingerbroek, B., & Taylor, N. (2009). Synthesis: External examinations in retrospect and prospect. In B. Vlaardingerbroek & N. Taylor (Eds). *Secondary school external examination systems: A global overview of a robust educational phenomenon* (pp. 337-349), New York: Cambria Press.
- Coll, R. K., & Taylor, N. (2008). Science education in context: An overview and some observations. In R.K. Coll & N. Taylor (Eds.). *Science education in context: An international perspective of the influence of context on science curriculum development, implementation and the student-experienced curriculum* (pp. xi-xiv), Rotterdam: Sense Publishers.
- Coll, R. K., & Taylor, N. (2008). The influence of context on science curricula: Observations, conclusions and some recommendations for curriculum development and implementation. In R.K. Coll & N. Taylor (Eds.). *Science Education in context: An international perspective of the influence of context on science curriculum development, implementation and the student-experienced curriculum* (pp. 355-362), Rotterdam: Sense Publishers.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Taylor, N., Taloga, K., & Ali, S. (2008). Improving primary science education in Fiji using a multifaceted approach. In R.K. Coll & N. Taylor (Eds.). *Science education in context: An international perspective of the influence of context on science curriculum development, implementation and the student-experienced curriculum* (pp. 55-65), Rotterdam: Sense Publishers.
- Taylor N., & Coll, R. K. (2008). Using analogies to increase students' interest in science. In A. Harrison & R.K. Coll (Eds.). *Using analogies in middle and secondary school science classrooms. The FAR guide – an interesting way to teach with analogies* (pp. 32-45), USA: Corwin Press.
- Taylor N., & Lyons, T. (2008). Earth science and astronomy analogies. In A. Harrison & R.K. Coll (Eds.). *Using analogies in middle and secondary school science classrooms. The FAR guide – an interesting way to teach with analogies* (pp. 231-264), USA: Corwin Press.
- Corrigan, G., Taylor, N & Cameron, B. (2004). Self-regulated Learning – How it can work. In N. McCrea (Ed.) *Honouring our tertiary teaching* (pp. 43-58), Armidale: University of New England.
- Grainger, S., & Taylor, N. (2004). Cooperative education in teacher education. In R.K. Coll & C. Eames (Eds.). *International handbook for cooperative education* (pp. 159-169), Boston: World Association for Cooperative Education.
- Maxwell, T. W., Bloomfield, D. M., & Taylor, N. (2004) Teaching/learning action research and connecting with the internship in the BEd primary at the University of New England. In N. McCrea (Ed.) *Honouring our tertiary teaching* (pp. 67-75), Armidale: University of New England.
- Coll, R., & Taylor, N. (2002). Alternative conceptions of chemical bonding held by upper secondary and tertiary students. In R.K. Coll (Ed.) *Science and Technology Education Research Papers* (pp. 21-48). Hamilton: New Zealand: Centre for Science & Technology Education Research.
- Taylor, N., Yeo, G., Veitayaki, J., & McDowell, R. (1994). Humans and the sea. In J. Garcia (Ed.) *An introduction to marine science for the Pacific Islands* (pp. 403-483). Suva, Fiji: Department of Extension Studies, University of the South Pacific.
- South, R., & Taylor, N. (1994). The living ocean. In J. Garcia (Ed.) *An introduction to marine science for the Pacific Islands* (pp. 1-236). Suva, Fiji: Department of Extension Studies, University of the South Pacific.

**Journal Articles**

**Science**

- Taylor, N., & Matthews, G. (1986). The effect of different adjuvants on the rainfastness of Bendiocarb applied to brussels sprout plants. *Crop Protection*, 5(4), 254-258.
- Young, R., Bundy, D., & Taylor, N. (1984). A thermostable zone in survivorship and metabolism of a tropical marine cercaria. *Comparative Biochemistry and Physiology*, 78A, 793-798.

**Education**

- Coll, R. K., & Taylor, N. (2009). Exploring international perspectives of scientific literacy: An overview of the special issue. *International Journal of Environmental and Science Education*, 4(3), 197-200.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Coll, R. K., Taylor, N., & Lay, M. (2009). Scientists' habits of mind as evidenced by the interaction between their science training and religious beliefs. *International Journal of Science Education*, 31(6), 725-755.
- Laidlaw, K. R., Taylor, N., & Fletcher, P. (2009). Teaching primary science in rural and regional Australia: Some challenges facing practicing and pre-service teachers. *Journal of Science and Mathematics Education in South East Asia*, 32(2), 105-130.
- Jacmon, J., Malouff, J., & Taylor, N. (2009). Treatment of major depression: Effectiveness of cognitive behavior therapy with an internet course as a central component. *E-Journal of Applied Psychology*, 5(2), 1-8.
- Taber, F. & Taylor, N. (2009). Climate of concern: A search for effective strategies for teaching children about Global Warming. *International Journal of Environmental and Science Education*, 4(2), 97-116.
- Vlaardingerbroek, B., Taylor, N. & Haig, T. (2009). Student transition to full-time vocational education from mid-secondary school in Lebanon and Australia: A comparative study. *Mediterranean Journal of Educational Studies*, 14(1), 91-107.
- Coll, R. K., Taylor, N., & Lay, M. (2008). Scientists and scientific thinking: Understanding scientific thinking through an investigation of scientists views about superstitions, and religious beliefs. *Eurasia Journal of Mathematics, Science and Technology Education*, 4(3), 197-214.
- Kennelly, J., Taylor, N. & Jenkins, K. (2008). Listening to teachers: Teacher and students roles in the New South Wales Sustainable Schools Program. *Environmental Education Research*, 14(1), 53-64.
- Kennelly, J., Taylor, N. & Maxwell, T. (2008). A student teacher's personal pathway to Education for Sustainability. *Australian Journal of Environmental Education*, 24, 24-33.
- Kennelly, J., Taylor, N., & Maxwell, T. (2008). Addressing the challenge of preparing Australian pre-service primary teachers in Environmental Education: An evaluation of a dedicated unit. *Journal of Education for Sustainable Development*, 2(2), 141-156.
- Taylor, N., Maiwaikatakata, T., Biukoto, E., Suluma, W., & Coll, R. (2008). Improving elementary science education in a developing country: A case study from Fiji. *International Journal of Educational Reform*, 17(2), 133-152.
- Taylor, N., & Kennelly, J. (2007). Getting the point about 'Western' consumption patterns: Some student responses to a cartoon about ecological footprint. *Geographical Education*, 20, 58-62.
- Kennelly, J., & Taylor, N. (2007). Education for Sustainability for the K-6 Curriculum: A unit of work for pre-service primary teachers in New South Wales. *Australian Journal of Environmental Education*, 23, 3-10.
- Taylor, N., Doff, T., Jenkins, K., & Kennelly, J. (2007). Environmental knowledge and attitudes amongst a cohort of pre-service primary school teachers in Fiji. *International Research in Geographical and Environmental Education*, 16(4), 367-379.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Taylor, N., & Corrigan, G. (2007). New South Wales primary school teachers' perceptions of the role of ICT in the primary science curriculum – a rural and regional perspective. *International Journal of Science and Mathematics Education, 5*(1), 85-109.
- Vlaardingerbroek, B., & Taylor, N. (2007). The environmental knowledge and attitudes of prospective teachers in Lebanon: A comparative study. *International Research in Geographical and Environmental Education, 16*(2), 120-134.
- Vlaardingerbroek, B., & Taylor, N. (2007). Upper secondary school physical science curricula in New Zealand after the national qualifications framework reforms. *International Journal of Science and Mathematics Education, 5*, 263-280.
- Kennelly, J., & Taylor, N. (2006). Teachers' perceptions of a new environmental education initiative for New South Wales, Australia, *Education Today, 56*(1), 17-23.
- McConaghy, C., Graham, L., D., Bloomfield, D., Miller, J., Patterson, D., Lloyd, L., Jenkins, K., Hardy, J., Taylor, N., & Noone, G. (2006). 'Bush Tracks': Exploring rural teaching transitions. *Education in Rural Australia, 16*(2), 3-11.
- Taylor, N., Kennelly, J., Jenkins, K., & Callingham, R. (2006). The impact of an Education for Sustainability unit on the knowledge and attitudes of pre-service primary teachers at an Australian university. *Geographical Education, 19*, 46-59.
- Jarvis, T., Taylor, N., & McKeon, F. (2005). Promoting conceptual change in pre-service primary teachers through intensive small group problem-solving activities. *Canadian Journal of Mathematics, Science and Technology Education, 5*(1), 15-33.
- Taylor, N., & Corrigan, G. (2005). Empowerment and confidence: pre-service teachers learning to teach science through a program of self-regulated learning. *Canadian Journal of Mathematics, Science and Technology Education, 5*(1), 41-59.
- Taylor, N., & Nathan, S. (2005). Education for sustainability in New South Wales, Australia. *Development Education Journal, 12*(1), 34-35.
- Bloomfield, D. M., Taylor, N., & Maxwell T. W. (2004). Enhancing the link between university and schools through action research on teaching practicum. *Journal of Vocational Education and Training, 56*(3), 355-371.
- Coll, R., & Taylor, N. (2004). Probing scientists' beliefs: How open-minded are modern scientists? *International Journal of Science Education, 26*(6), 757-778.
- Coll, R., & Taylor, N. (2004). Using experiential learning to develop education for sustainability. *UNESCO-UNEVOC Bulletin, 9*, 3.
- Corrigan, G., & Taylor, N. (2004). An exploratory study of the effect a self-regulated learning environment has on pre-service primary teachers' perceptions of teaching science and technology. *International Journal of Science and Mathematics Education, 2*(1), 45-62.
- Taylor, N., & Maxwell, T. M. (2004). Enhancing the relevance of a Professional Doctorate: The case of the Doctor of Education degree at the University of New England. *Asia-Pacific Journal of Cooperative Education, 5*(1), 60-69.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Coll, R., & Taylor, N. (2003). Towards a link between theory and practice in chemical education. *Chemistry in New Zealand*, 67(1), 28-32.
- Coll, R., & Taylor, N. (2003). Parallel universes: Education research and chemistry teaching. *Australian Journal of Education in Chemistry*, 61, 23-28.
- Coll, R., Taylor, N & Nathan S. (2003). Using work-based learning to develop education for sustainability: A proposal. *Journal of Vocational Education and Training*, 55, 169-181.
- Nathan, S., & Taylor, N. (2003). Linking cooperative education and education for sustainability: A new direction for cooperative education? *Asia-Pacific Journal of Cooperative Education*, 4(2), 1-6.
- Taylor, N., & Nathan, S. (2003). Education for Sustainability: Its evolution, principles and the role of school structures in its implementation. *Education Today*, 53(2), 10-18.
- Taylor, N., & Nathan, S. (2003). Teaching about globalization and consumerism within the context of Education for Sustainability. *Teaching and Learning*, 24(2), 153-167.
- Taylor, N., & Nathan, S. (2003). Some issues facing environmental organizations in developing countries: A case study of the South Pacific Action Committee for Human Ecology and the Environment. *Australian Journal of Environmental Education*, 19, 69-79.
- Taylor, N., Nathan, S., & Coll, R. (2003). Education for Sustainability in regional New South Wales, Australia: An exploratory study of some teachers' perceptions. *International Research in Geographical and Environmental Education*, 12(4), 289-309.
- Taylor, N., Nathan, S., & Coll, R. (2003). An analysis of the new "Citizenship education: the global dimension" teaching resource: How effectively does it address the interaction between local and global issues? *Education Today*, 53(1), 12-20.
- Taylor, N., Vlaardingerbroek, B., & Coll, R. (2003). Exploiting curriculum commonality in small island states: Some strategies for primary science curriculum development in the South Pacific. *International Journal of Science and Mathematics Education*, 1(2), 157-174.
- Vlaardingerbroek, B., & Taylor, N. (2003). Teacher education variables as correlates of primary science ratings in thirteen TIMSS systems. *International Journal of Educational Development*, 23(4) 429-438.
- Coll, R., & Taylor, N. (2002). Mental models in chemistry: Senior chemistry students' mental model of chemical bonding. *Chemistry Education: Research and Practice*, 3(2), 175-184.
- Coll, R., & Taylor, N. (2002). Advanced level chemistry students' concepts of chemical bonding. *Chemistry in New Zealand*, 66(4), 39-42.
- Coll, R., Taylor, N., & Fisher, D. (2002). The application of the Questionnaire on Teacher Interaction QTI and College and University Classroom Environment Inventory (CUCEI) instruments in a multicultural tertiary context. *Research in Science and Technological Education*, 20(2), 165-183.
- Coll, R., Taylor, N., & Grainger, S. (2002). Can experiences from the teaching profession inform assessment practice for other work-based learning programmes? *Asia-Pacific Journal of Cooperative Education*, 3(1), 5-12.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Taylor, N., & Alchin, R. (2002). The development of the Pacific Science Reading Series. *Asia-Pacific Book Development (UNESCO)*, 32(4), 9-11.
- Taylor, N., & Coll, R. (2002). Assessing students' prior concepts of physical change by the use of a purpose-designed survey instrument. *Journal of Science and Mathematics Education in South East Asia*, 25(1), 25-40.
- Taylor, N., & Coll, R. (2002). Using a constructivist-informed pedagogy to improve primary teachers' understanding of physical science: A year-long study. *Asia-Pacific Journal of Teacher Education and Development*, 5(1), 47-76.
- Taylor, N., & Coll, R. (2002). A comparison of pre-service primary teachers' mental models of Kinetic Theory in three different cultures. *Chemistry Education: Research and Practice*, 3(3), 293-315.
- Taylor, N., & Nathan, S. (2002). How science contributes to environmental reporting in British newspapers: A case study of the reporting of global warming and climate change. *The Environmentalist*, 22(4), 325-331.
- Taylor, N. (2001). A pragmatic approach to improving resources for primary science education in the South Pacific region. *Asia-Pacific Journal of Education*, 21(2), 124-130.
- Taylor, N., & Coll, R. (2001). Employing models and analogies to engender conceptual change in science amongst pre-service primary school teachers in Fiji. *Asia-Pacific Journal of Education*, 21(1), 53-66.
- Taylor, N., & Jones, P. (2001). Animal adaptation through modelling. *Primary Science Review*, 66, 17-20.
- Taylor, N., & Nathan, S. (2001). Modelling a chain reaction in the classroom. *Secondary Science Review*, 83(302), 103-104.
- Taylor, N., & Lucas, K. (2001). Some learning outcomes from a science program for pre-service primary teachers undertaken in the context of a developing country. *Evaluation and Research in Education*, 15(4), 228-249.
- Taylor, N., & Vlaardingerbroek, B. (2001). Reforming primary science through literacy: The Pacific Science Reading series. *International Journal of Educational Reform*, 10 (4), 347-355.
- Coll, R., & Taylor, N. (2001). Alternative conceptions of chemical bonding held by upper secondary and tertiary students. *Research in Science and Technological Education*, 19(2), 171-191.
- Coll, R., & Taylor, N. (2001). Using constructivism to inform tertiary chemistry pedagogy. *Chemistry Education: Research and Practice*, 2(3), 215-226.
- Coll, R., & Taylor, N. (2001). Alternative conceptions of chemical bonding amongst tertiary students: Nature and origins. *Teaching and Learning*, 21(1), 48-60.
- Coll, R., Taylor, N., & Ali, S. (2001). Investigating Tertiary Level Teacher-Student Interactions in Fiji Using the Questionnaire on Teacher Interaction (QTI). *Directions – Journal of Educational Studies*, 23(2), 91-112.
- Nathan, S., & Taylor, N. (2001). Education for Sustainability: An appropriate concept for Pacific Island Schools? *Pacific Curriculum Network*, 10(2), 3-7.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Taylor, N. (2000). Primary science in the South Pacific. *Primary Science Review*, 64, 16-19.
- Taylor, N., & Coll, R. (2000). Concept mapping as a tool for monitoring student learning in science. *Teaching and Learning*, 20(2), 84-90.
- Taylor, N., & Kings, C. (2000). Evaluating Pacific curricula - making learning relevant. *Pacific Curriculum Network*, 9(2), 2-5.
- Taylor, N., & Lucas, K. (2000). Implementing and evaluating a sequence of instruction on gaseous pressure with pre-service primary school student teachers. *Australian Science Teachers' Journal*, 46 (4), 34-42.
- Taylor, N., & Vlaardingerbroek, B. (2000). A case study of educational planning for small developing nations: Pacific elementary science. *International Journal of Educational Reform*, 9(2), 155-162.
- Coll, R., & Taylor, N. (2000). How do we see ourselves? Measuring perceptions of teaching style using the Questionnaire on Teacher Interaction (QTI) instrument. *Teaching and Learning*, 20(2), 20-30.
- Coll, R., & Taylor, N. (2000). Improving chemistry teaching through the study of the classroom learning environment. *Chemistry in New Zealand*, 64(1), 16-22.
- Coll, R., & Taylor, N. (2000). Reply to Gray. *Chemistry in New Zealand*, 64(3), 7.
- Coll, R., & Taylor, N. (2000). Improving tertiary chemistry teaching: Implications of science education research for classroom practice. *Chemistry in New Zealand*, 64(4), 17-24.
- Kings, C., & Taylor, N. (2000). In-service education programmes in developing countries: Addressing the real needs of teachers. *Journal of Practice in Education for Development*, 5(2), 31-35
- Lowery, R., Taylor, N., & Nathan, S. (2000). Some techniques for teaching about the structure and function of chromosomes. *Australian Science Teachers' Journal*, 46(1), 47-53.
- Taylor, N. (1999). Using a constructivist teaching approach to enhance conceptual understanding of science: The pre-service training of Fiji primary teachers. *Directions – Journal of Educational Studies*, 21(2), 3-23.
- Taylor, N. (1999). Pre-service primary teachers' understanding of 'Matter and how it changes': A cross-cultural comparison. *Journal of Science and Mathematics Education in South East Asia*, 22(2), 14-29.
- Taylor, N., & Coll, R. (1999). Pre-service primary teachers' self efficacy in science teaching: The Fiji perspective. *Pacific-Asian Education Journal*, 11(1), 32-45.
- Taylor, N., & Coll, R. (1999). The science learning environment: Some views from Fiji pre-service primary school teachers. *Pacific-Asian Education Journal*, 11(2), 19-31.
- Taylor, N., Lucas, K., & Watters, J. (1999). Collaborative science activities and the social construction of understanding of physical science concepts by pre-service teachers in Fiji. *Research in Science Education*, 29(4), 479- 500.
- Taylor, N., Macpherson, C., & Nathan S. (1998). Ideas in conflict—learning about evolution in Fiji. *Pacific-Asian Education Journal*, 10(2), 32-43.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Coll, R., & Taylor, N. (1998). The use of student profiles in science education: An alternative means of establishing student cognitive development. *Journal of Science and Mathematics Education in South East Asia*, 21(1), 1-15.
- Kings, C., & Taylor, N. (1998). Evaluating science education in Pacific primary schools. *Pacific Curriculum Network*, 7(1), 3-7.
- Lucas, K., & Taylor, N. (1998). Some cautionary notes about employing the Socio-Cultural Environment Scale in different cultural contexts. *Journal of Science and Mathematics Education in South East Asia*, 21(2), 37-43.
- Tulip, D., Taylor, N., & Green, S. (1998). A technique to show the aging of human skin as a result of exposure to the sun. *Australian Science Teachers' Journal*, 44(1), 56-58.
- Taylor, N. (1997). Some reflections on the challenge facing science educators in Fiji. *Journal of Practice in Education for Development*, 3(2), 67-69.
- Taylor, N., & Coll, R. (1997). The use of analogy in the teaching of solubility to pre-service primary teachers. *Australian Science Teachers' Journal*, 43(4), 58-65.
- Taylor, N., & Lucas, K. (1997). The trial of an innovative science program for pre-service primary teachers in Fiji. *Asia-Pacific Journal of Teacher Education*, 25(3), 325-343.
- Taylor, N., & Macpherson, C. (1997). Traditional and religious beliefs and the teaching of science in Fiji. *New Zealand Journal of Educational Studies*, 32(2), 191-205.
- Taylor, N., & Tulip, D. (1997). Constructing a model cell. *Australian Science Teachers' Journal*, 43(3), 43-45.
- Taylor, N., & Tulip, D. (1997). Three activities to assist biology teachers in presenting conceptually difficult topics. *Australian Science Teachers' Journal*, 43(4), 49-51.
- Taylor, N. (1996). Special educational needs provision in mainstream education: A look at two different approaches. *Education Today*, 46(1), 19-27.
- Taylor, N., & Topalian, T. (1995). Environmental education in the South Pacific: An evaluation of progress in three countries. *The Environmentalist*, 15(3), 159-169.
- Cook, A., & Taylor, N. (1995). The sustainability of aided curriculum development projects: The need for robust adaptive processes. *Pacific-Asian Education Journal*, 7(1&2), 67-71.
- Macpherson, C., & Taylor, N. (1995). Some problems associated with the national trial of the standardized test of achievement in science for Fiji. *Journal of Science and Mathematics Education in South East Asia*, 18(2), 61-70.
- Taylor, N. (1994). The primary-secondary transition: A case study of a Midland comprehensive school. *Education Today*, 44(1), 30-35.
- Taylor, N. (1994). A regional approach to environmental education in the South Pacific. *The Forum for Basic Education and Literacy - The Harvard Institute of International Development*, 3(3), 12-13.
- Taylor, N. (1994). Improving environmental education in the Republic of Kiribati: Constraints and future prospects. *Pacific-Asian Education Journal*, 6(1), 4-10.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Cook, A., & Taylor, N. (1994). Robust adaptive processes: The case for laboratory technicians in Fiji schools. *Journal of Science and Mathematics Education in South East Asia*, 17(2), 7-15.
- Macpherson, C., & Taylor, N. (1994). The national trial of the new standardised test of achievement in primary science for Fiji: A comparison of sub-groups performances within the sample population. *Journal of Science and Mathematics Education in South East Asia*, 17(1), 8-14.
- Taylor, N. (1993). Teaching science at the University of the South Pacific: Its special problems. *Journal of Indian Education*, 18(5), 18-24.
- Taylor, N. (1993). The current status of primary science in the Republic of the Marshall Islands. *Pacific Curriculum Network*, 2(1), 4-6.
- Taylor, N. (1993). Ability-grouping and its effect on pupil behaviour: A case study of a Midland comprehensive school. *Education Today*, 43(2), 14-18.
- Taylor, N., & Macpherson, C. (1993). Environmental education in Fiji. *International Research in Geographical and Environmental Education*, 2(1), 3-10.
- McDowell, R., & Taylor, N. (1993). Marine information in the South Pacific: A survey of user information-seeking behaviour. *Information Development*, 9(3), 134-142.
- Taylor, N. (1992). Fragile environments, robust solutions. *Pacific Curriculum Network*, 1(1), 24-25.
- Taylor, N. (1992). Guest editorial. *Directions – Journal of Educational Studies*, 14(1), 1-2.
- Taylor, N., & Macpherson, C. (1992). Primary science in Fiji: Some reflections on activity-based lessons. *Journal of Science and Mathematics Education in South East Asia*, 15(2), 40-45.
- Taylor, N., & Brierley, D. (1992). The impact of the law on the development of a sex education program at a Leicestershire comprehensive school. *Journal for Pastoral Care and Personal and Social Education*, 10(1), 23-29.
- Taylor, N., & Macpherson, C. (1992). Developing the standardized test of achievement in science for Fiji. *Journal of Science and Mathematics Education in South East Asia*, 15(1), 19-31.
- Taylor, N. (1991). An analysis of the Fiji Junior Certificate Basic Science examination and its implications for the teaching of science in Fiji. *Journal of Science and Mathematics Education in South East Asia*, 14(2), 73-78.

**Reviews**

- Taylor, N. (2008). A review of 'Looking South: Australia's Antarctic agenda' The Federation Press, edited by Lorne Kriwoken, Julia Jabour & Alan Hemmings, *Australian Journal of Environmental Education*, 24, 77-79.
- Taylor, N. (2008). A review of 'Essential skills for Science and Technology' Oxford University Press, by Peter Zeegers, Kate Deller-Evans, Sandra Egege & Christopher Klinger, *Higher Education Research and Development*, 27(3) 298-300.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Taylor, N. (2005). A review of 'Independent Science Challenges' Hawker Browlow Education, by Charlotte Samiec, *TalentED*, 23(1&2), 57-58.
- Taylor, N. (2005). A review of 'Sustainability and Changing Rural Australia' UNSW Press, edited by Chris Cocklin & Jaqui Dibden, *Geographical Education*, 18, 54-55.
- Davies, P., & Taylor, N. (1986). Audio visual reviews: Bones, breaks and mends. *Journal of Biological Education*, 20(1), 76-77.

**id21 Education Research Highlights - University of Sussex-Institute of Development Studies ([www.id21.org](http://www.id21.org))**

- Taylor, N & Lucas, K. (2002) Experiments in teacher training: Improving primary science education in Fiji ([www.id21.org/education/E3nt1g2.html](http://www.id21.org/education/E3nt1g2.html))
- Taylor, N. & Vlaardingerbroek, B. (2002) Elementary science teaching in the Pacific: National, regional or imported models? ([www.id21.org/education/E3nt1g1.html](http://www.id21.org/education/E3nt1g1.html))

**Children's books and sections in children's books**

- Lumelume, S., & Taylor, N. (1999). *Mere and the caterpillar* (pp. 17). Suva, Fiji: University of the South Pacific, Waka Books. (Marketed by Learning Media Ltd., Wellington, New Zealand.)
- Takaro, M., & Taylor, N. (1999). *Colours everywhere* (pp. 7). Suva, Fiji: University of the South Pacific, Waka Books.
- Taylor, N. (2002). Coral and coral reefs. In F. Pene and C. Manueli (Eds.) *Coral Reefs in Pacific* (pp. 1-3). Suva, Fiji: The University of the South Pacific.
- Taylor, N. (2002). Reef relations. In F. Pene and C. Manueli (Eds.) *Coral Reefs in Pacific* (pp. 8-10). Suva, Fiji: The University of the South Pacific.
- Taylor, N. (2002). Using the reef. In F. Pene and C. Manueli (Eds.) *Coral Reefs in Pacific* (pp. 26-29). Suva, Fiji: The University of the South Pacific.

**Conference Proceedings & Presentations**

- Kennelly, J., Taylor, N., & Serow, P. (2008, July). Engagement, self efficacy and intention to teach environmental Education in two pre-service primary teachers. In T. Hays & R. Hussein (Eds.), *Proceedings of the Inaugural Postgraduate Research Conference: Bridging the Gap between Ideas and Doing Research* (pp. 115-122), Armidale, Australia.
- Coll, R.K., & Taylor, N. (2007, July). Science education in context. An international perspective on curriculum development and implementation. Paper presented at the 38<sup>th</sup> Annual Conference of the Australian Association of Science Education, Freemantle, Australia.
- Kennelly, J.A., Taylor, N. and Jenkins, K.A. (2007, August). Using mixed methods in an essentially qualitative study: Reflections on design and process in an education for sustainability context. In R. Hussein & T. Hays (Eds.), *Proceedings of the Inaugural Postgraduate Research Conference: Bridging the Gap between Ideas and Doing Research* (pp. 184-197), Armidale, Australia.
- Vlaardingerbroek, B. & Taylor, N. (2006, December). How 'green' are our prospective teachers? A comparative Lebanon/Australia study. Paper presented at the Centre for Science and Mathematics Education Research Colloquium. American University of Beirut, Lebanon.

**Associate Professor Neil Taylor**  
**Publications List**

---

- Taylor, N. (2006, December). Environmental knowledge and attitudes amongst a cohort of pre-service primary school teachers in Fiji. Paper presented at the *Annual Conference of the Australian and New Zealand Comparative and International Education Society*, Canberra, Australia.
- McConaghy, C., Graham, L., Bloomfield, D., Miller, J., Paterson, D., Lloyd, L. Jenkins, K., & Taylor, N., Hardy, J., & Noone, G. (2005, November). The Bush Tracks Collective: Researching rural teaching transitions in pedagogy and leadership. Symposium 52: Australian Association for Research in Education (AARE) International Conference Sydney, [www.aare.edu.au](http://www.aare.edu.au): McC05688
- Coll, R.K., Taylor N., & Lay, M.C. (2005, October). Making sense of science: Insights from scientists. In B. Hand, L. Yore, & M. Shelley (Eds.), *Proceedings of the Gold Standards(s) of Science Literacy Conference* (pp. 1-44). Victoria, BC.
- Coll, R.K., Taylor N., & Lay, M.C. (2005, July). Probing scientists' beliefs. Paper presented at the 36th annual conference of the Australasian Science Education Research Association. Hamilton, New Zealand.
- Coll, R.K., & Taylor, N. (2004, April). An investigation of cognitive dissonance between religious beliefs and scientific thinking. In D.B. Zandvliet (Ed.), *Proceedings of the Annual Meeting of the National Association for Research in Science Teaching* (pp. 1-16). Vancouver, BC.
- Corrigan, G., & Taylor, N. (2003, July). An exploratory study of the effect a self-regulated learning environment has on pre-service primary teachers' perceptions of teaching science and technology. Paper presented at the 34<sup>th</sup> Annual Conference of the Australian Association of Science Education, Melbourne, Australia.
- Taylor, N., Nathan, S., & Coll, R.K. (2003, March). Examining the potential role of cooperative education in education for sustainability. In C. Gribble (Ed.), *Proceedings of the Seventh Annual New Zealand Conference on Cooperative Education* (pp. 84-92). Christchurch, New Zealand.
- Taylor, N., Vlaardingerbroek, B., & Coll, R. (2002, December). Primary science education development in the South Pacific: Some views about interventions. P. Ninnes & L. Tamatea (Eds.) *Proceedings of the 30<sup>th</sup> Annual Conference of the Australian and New Zealand Comparative and International Education Society* (pp. 227-238), Armidale, Australia.
- Coll, R.K., & Taylor, N. (2002, November). Probing scientific beliefs. Paper presented at the 3<sup>rd</sup> Annual New Zealand Science Education Symposium. Wellington, New Zealand.
- Jarvis, T., McKeon, F., & Taylor, N. (2002, September). Promoting conceptual change through group discussion of thought provoking science problems. Paper presented at the Annual Conference of the British Educational Research Association, Exeter, England.
- Coll, R., Taylor, N., & Grainger, S. (2002, March). Can experiences from the teaching profession inform assessment practice for other work-based learning programmes? *Proceedings of the 6<sup>th</sup> Annual New Zealand Association for Cooperative Education Conference* (p.28-37), Christchurch, New Zealand.
- Coll, R., Taylor, N., & Fisher, D. (2002, April). An application of the Questionnaire on Teacher Interaction and College and University Classroom Environment Inventory in a multicultural tertiary context. Paper presented at the Annual Meeting of the National Association for Research in Science Teaching, New

**Associate Professor Neil Taylor**  
**Publications List**

---

Orleans, LO.

- Taylor, N. (1999, March). Improving primary school teachers' understanding of physical science. Invited presentation to Nauru's primary school teachers: Director of Education, Nauru.
- Taylor, N. (1999, January). Using a constructivist teaching approach to enhance conceptual understanding of science: The pre-service training of Fiji primary teachers. Paper presented at the Pacific Association of Teacher Educators' Conference, Suva, Fiji: University of the South Pacific.
- Taylor, N., Lucas, K., & Watters, J. (1998, April). Challenging pre-service elementary teachers' assumptions about the teaching of science in Fiji. Paper presented at the Annual Meeting of the National Association for Research in Science Teaching, San Diego, CA.
- Taylor, N. (1991, July). AIDS: The local and global situations. R. Charan (Ed.). *Proceedings of the Chemical Society of the South Pacific Conference - Science in the '90s* (pp. 125-135). Lautoka, Western Division, Fiji.

**Technical Reports**

- Taylor, N. (2004). *A review of the Doctor of Education degree at the University of New England* (pp. 88). Armidale, Australia: The University of New England.
- Taylor, N. (1992). *Environmental education in Fiji* (pp. 77). Suva, Fiji: The Ministry of the Environment, National Environmental Management Project.
- Taylor, N. (1992). *Environmental education in the Republic of Kiribati* (pp. 19). Apia, Western Samoa: South Pacific Regional Environmental Program.

**Magazine Articles**

- Taylor, N. (1986). The probationary teacher's diary, *STEAM, Imperial Chemical Industry (ICI) Science Teachers' Magazine*, 8, 4-5.

**Curriculum and Assessment Materials**

**Tertiary (Postgraduate)**

- Taylor, N., Maiwaikatakata, T. & Buikoto, E. (2006). Science Education 2: Lecturers' Handbook (pp. 305). Fiji: Ministry of Education, Lautoka Teachers' College.
- Taylor, N., Maiwaikatakata, T. & Buikoto, E. (2005). Science Education 1: Lecturers' Handbook (pp. 315). Fiji: Ministry of Education, Lautoka Teachers' College.
- Taylor, N., Maiwaikatakata, T. & Buikoto, E. (2005). Foundation Science: Lecturers' Handbook (pp. 200). Fiji: Ministry of Education, Lautoka Teachers' College.
- Lucas, K., & Taylor, N. (1997). *Curriculum studies in science education* (pp. 36). Brisbane, Australia: Open Learning, Queensland University of Technology.

**Secondary**

- McClune, B., Jarman, R., Alexander, J., Walsh, P., & Taylor N. (2007). *Learning science – Making news* (A Teachers' Guide) (pp. 50). Belfast: Queen's University of Belfast Media Services.
- Charan, D., Singh, A., & Taylor, N. (1993). *Fiji Year 11 chemistry practical manual* (pp. 64). Suva, Fiji: Ministry of Education.

**Associate Professor Neil Taylor**  
**Publications List**

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Charan, D., Singh, A., & Taylor, N. (1993). *Fiji Year 12 chemistry practical manual* (pp. 57). Suva, Fiji: Ministry of Education.

