

Publications for Rachel Wilson

2018

Nakakoji, Y., Wilson, R. (2018). First-year mathematics and its application to science: Evidence of transfer of learning to physics and engineering. *Education Sciences*, 8(1). [More Information]

McGrath-Champ, S., Stacey, M., Wilson, R., Fitzgerald, S., Rainnie, A., Parding, K. (2018). Principals' support for teachers' working conditions in devolved school settings: Insights from two Australian States. *Educational Management Administration & Leadership*, Online first. [More Information]

Kidson, P., Odhiambo, G., Wilson, R. (2018). The International Baccalaureate in Australia: Trends and issues. *Compare: a journal of comparative and international education*, Online first. [More Information]

2017

Fitzgerald, S., McGrath-Champ, S., Wilson, R., Stacey, M. (2017). A "tsunami of paperwork": Professionally engaged teachers' reports on changes to conditions of work and employment conditions under devolution. *31st Association of Industrial Relations Academics of Australia and New Zealand (AIRAANZ) Conference*, Canberra, 10th February.

Evans, J., Georgakis, S., Wilson, R. (2017). Indigenous games and sports in the Australian national curriculum: Educational benefits and opportunities? *ab-Original: Journal of Indigenous Studies and First Nations and First Peoples' Cultures*, 1(2), 195-213.

Crook, S., Sharma, M., Wilson, R. (2017). Teachers' transition into a 1:1 laptop environment: A longitudinal case study of four science teachers over 5 years. *International Journal of Innovation in Science and Mathematics Education*, 25(5), 38-56.

McGrath-Champ, S., Wilson, R., Stacey, M. (2017). Teaching and learning: Review of workload. *NSW Teachers Federation Annual Conference*, Sydney, 4th July.

2016

McGrath-Champ, S., Wilson, R., Stacey, M., Fitzgerald, S. (2016). "I just try and be nice to them, I tell a few jokes": Principals explain their changing roles and support for staff in two devolved Australian schooling systems. *Australian Association for Research in Education (AARE) Annual Conference, 2016*, Melbourne: Australian Association for Research in Education (AARE). [More Information]

Nelson, A., Signal, T., Wilson, R. (2016). Equine Assisted Therapy and Learning: A Survey of Methodologies in Australia. *Society and Animals*, 24(4), 337-357. [More Information]

Nakakoji, Y., Wilson, R. (2016). Exploration of transfer of first year undergraduate mathematical learning to science. *13th*

International Congress on Mathematical Education (ICME-13), Hamburg, Germany.

Fitzgerald, S., McGrath-Champ, S., Wilson, R., Stacey, M., Rainnie, A. (2016). *Submission. Education and Health Standing Committee Inquiry into the Department of Education's Independent Public Schools Initiative*.

Wilson, R. (2016). The 10 year funding plan Australia needs to fix TIMSS maths and science results. *Australian Financial review*. [More Information]

Fitzgerald, S., McGrath-Champ, S., Wilson, R., Rainnie, A., Parding, K. (2016). They'll open the jail door but they'll put a ball and chain on your ankle: Changing management of teachers' labour process. *30th Association of Industrial Relations Academics of Australia and New Zealand AIRAANZ Conference: Building Sustainable Workforce Futures*, Sydney, 12th February.

2015

Crook, S., Sharma, M., Wilson, R. (2015). An evaluation of the impact of 1:1 laptops on student attainment in senior high school sciences. *International Journal of Science Education*, 37(2), 272-293. [More Information]

Dalton, B., Wilson, R., Evans, J., Cochrane, S. (2015). Australian Indigenous youth's participation in sport and associated health outcomes: Empirical analysis and implications. *Sport Management Review*, 18(1), 57-68. [More Information]

Georgakis, S., Wilson, R., Evans, J. (2015). Authentic assessment in physical education: A case study of Game Sense pedagogy. *The Physical Educator*, 72(1), 67-86. [More Information]

Crook, S., Sharma, M., Wilson, R. (2015). Comparison of technology use between biology and physics teachers in a 1:1 laptop environment. *Contemporary Issues in Technology & Teacher Education*, 15(2), 126-160. [More Information]

Crook, S., Wilson, R. (2015). Five challenges for science in Australian primary schools. *The Conversation*. [More Information]

Evans, J., Wilson, R., Dalton, B., Georgakis, S. (2015). Indigenous participation in Australian sport: The perils of the "panacea" proposition. *Cosmopolitan Civil Societies: An Interdisciplinary Journal*, 7(1), 53-79. [More Information]

Nicholas, J., Poladian, L., Mack, J., Wilson, R. (2015). Mathematics preparation for university: entry, pathways and impact on performance in first year science and mathematics subjects. *International Journal of Innovation in Science and Mathematics Education*, 23(1), 37-51.

Bagnall, N., Wilson, R., Hu, F. (2015). *Science in the Primary Years Programme: Alignment between the International Baccalaureate and the national Australian Curriculum*, (pp. 4 - 67). Singapore, Singapore: International Baccalaureate Organisation. [More Information]

Wilson, R., Dalton, B., Baumann, C. (2015). Six ways Australia's education system is failing our kids. *The Conversation*. [More Information]

Crook, S., Sharma, M., Wilson, R. (2015). Students with laptops did better in HSC science. *The Conversation*. [More Information]

Crook, S., Sharma, M., Wilson, R. (2015). Students with laptops did better in HSC Science. *Science Education News*, 64(4), 29-30.

Wearing, A., Le, H., Wilson, R., Arambewela, R. (2015). The international student's experience: An exploratory study of students from Vietnam. *International Education Journal: Comparative Perspectives*, 14(1), 71-89.

Nakakoji, Y., Wilson, R., Poladian, L. (2015). Transfer of first year mathematical learning in stem disciplinary university assessment (Poster). *The Australian Conference on Science and Mathematics Education 2015 (The 21st UniServe Science Conference)*, Perth, WA, Australia.

Nakakoji, Y., Wilson, R., Poladian, L. (2015). Transfer of mathematical learning to science: First year university students' and academics' perspectives. *10th Southern Hemisphere Conference on the Teaching and Learning of Undergraduate Mathematics and Statistics (Elephant Delta 2015)*, Port Elizabeth, South Africa.

Mack, J., Wilson, R. (2015). *Trends in mathematics and science subject combinations in the NSW HSC 2001-2014 by gender*, Sydney, Australia: The University of Sydney. [More Information]

Wilson, R., Wilson, R. (2015). *Understanding Emotional Development: Providing insight into human lives*. Abingdon, UK: Routledge. [More Information]

Wilson, R. (2015). Why it matters that student participation in maths and science is declining. *The Conversation*. [More Information]

2014

Wilson, R. (2014). Blitzing your science, technology, maths and engineering exams. *The Conversation*. [More Information]

Wilson, R., Mack, J. (2014). Declines in high school mathematics and science participation: Evidence of students' and future teachers' disengagement with maths. *International Journal of Innovation in Science and Mathematics Education*, 22(7), 35-48.

Boon, R., Wilson, R., Curwood, J. (2014). Inclusive education in Australia: An introduction to the Special Issue. *Journal of International Special Needs Education*, 17(2), 45-47. [More Information]

Wilson, R. (2014). *Is it time to mandate maths for senior secondary students?*.

Nakakoji, Y., Wilson, R. (2014). Maths is a strong predictor of STEM attainment in first year university. *20th Annual UniServe Science Conference: Australian Conference on Science and Mathematics Education (ACSME) 2014*, Sydney: UniServe Science, University of Sydney.

Nakakoji, Y., Wilson, R., Poladian, L. (2014). Mixed methods research on the nexus between mathematics and science. *International Journal of Innovation in Science and Mathematics Education*, 22(6), 61-76.

Georgakis, S., Wilson, R. (2014). Physical education in sport-obsessed Australia: Implementing dimensions of public health and sustainable development. In M-K. Chin and C. R. Edginton (Eds.), *Physical Education and Health: Global Perspectives and Best Practice*, (pp. 15-27). Urbana, IL: Sagamore Publishing LLC.

Nakakoji, Y., Wilson, R. (2014). Tertiary educators' perspectives of the nexus between maths and science. *Mathematics Education Society of Japan Spring Meeting 2014*, Tokyo.

Georgakis, S., Wilson, R., Ferguson, J. (2014). The academic achievement of elite athletes at an Australian university: Debunking the dumb jock syndrome. *International Journal of Higher Education*, 3(2), 120-130. [More Information]

2013

Martin, A., Wilson, R., Liem, G., Ginns, P. (2013). Academic momentum at university/college: exploring the roles of prior learning, life experience, and ongoing performance in academic achievement across time. *Journal of Higher Education*, 84(5), 640-674. [More Information]

Sharma, M., Stewart, C., Wilson, R., Gokalp, M. (2013). Can a Syllabus Change Impact on Students' Perceptions of Science? Fragmented and Cohesive Conceptions of Physics. *EURASIA Journal of Mathematics, Science and Technology Education*, 9(1), 33-44. [More Information]

Sugahara, S., Wilson, R. (2013). Discourse Surrounding the International Education Standards for Professional Accountants (IES): A Content Analysis Approach. *Accounting Education*, 22(3), 213-232. [More Information]

Wilson, R. (2013). Make maths mandatory and we'll improve our education rankings. *The Conversation*. [More Information]

Nakakoji, Y., Wilson, R., Poladian, L. (2013). Participation & transfer of learning between tertiary mathematics, science, and engineering education. *19th Annual UniServe Science Conference: Australian Conference on Science and Mathematics Education (ACSME 2013)*, Canberra: University of Sydney.

Crook, S., Sharma, M., Wilson, R., Muller, D. (2013). Seeing

eye-to-eye on ICT: Science student and teacher perceptions of laptop use across 14 Australian schools. *Australasian Journal of Educational Technology*, 29(1), 82-95. [More Information]

Wilson, R., Mack, J., Walsh, B. (2013). Stagnation, decline and gender disparity in participation in NSW HSC mathematics and science combinations. *19th Annual UniServe Science Conference: Australian Conference on Science and Mathematics Education (ACSME 2013)*, Canberra: University of Sydney.

Sharma, M., Stewart, C., Wilson, R., Gokalp, M. (2013). Student Approaches to Learning in Physics - Validity and Exploration Using Adapted SPQ. *International Journal of Environmental & Science Education (IJESE)*, 8(2), 241-253. [More Information]

2012

Wilson, R., Georgakis, S., Sharma, M. (2012). Approaches to Learning in First Year University Physics. *Journal of Social Sciences*, 8(2), 216-222. [More Information]

Georgakis, S., Wilson, R. (2012). Australian Physical Education and School Sport: An Exploration into Contemporary Assessment. *Asian Journal of Exercise and Sports Science*, 9(1), 37-52.

Gunawardena, H., Wilson, R. (2012). *International Students at University: Understanding the Student Experience*. Bern: Peter Lang Publishing. [More Information]

Bisen, A., Dalton, B., Wilson, R. (2012). The Social Construction of the Microfinance Industry: a comparison of donor and recipient perspectives. *Cosmopolitan Civil Societies: An Interdisciplinary Journal*, 4(2), 62-83.

2011

Georgakis, S., Wilson, R., Hu, X. (2011). Addressing the teaching and learning challenges of 'service courses': A case study of pedagogical reform and innovation. *International Journal of Learning*, 18(1), 233-244.

Wilson, R., Georgakis, S., Hu, X. (2011). Meeting the challenges of electrical engineering service courses. *Australasian Journal of Engineering Education*, 17(2), 91-100.

Wilson, R. (2011). Research methodology for youth sport. In S. Georgakis and K. Russell (Eds.), *Youth Sport in Australia*, (pp. 265-285). Sydney, Australia: Sydney University Press.

Wilson, R., Georgakis, S. (2011). Revitalising Comparative Education through Mixed Method Methodology Research. *9th International Conference on Comparative Education and Teacher Training organized by the Bulgarian Comparative Education Society (BCES), 2011*, Bulgaria: Bureau for Educational Services.

Georgakis, S., Wilson, R. (2011). Teacher Shortage and Newly Qualified Teachers in Australia: A Physical and Health Education Case Study. *Journal of Physical Education and Sport*, 11(4), 393-400.

Georgakis, S., Wilson, R. (2011). The Greek Youth Sport System in Australia. *7th International Conference on Education (ICE 2011)*, Athens, Greece: National and Kapodistrian University of Athens, Greece.

Wilson, R., Sharma, M., Stewart, C., Georgakis, S. (2011). The relationship between school curriculum and university students'

conceptions of their subject. *7th International Conference on Education (ICE 2011)*, Athens, Greece: National and Kapodistrian University of Athens, Greece.

2010

Georgakis, S., Wilson, R. (2010). A Healthy Mind in a Healthy Body? Australian University Sport in the 21st Century. *Journal of the World Universities Forum*, 3(4), 45-55.

Gunawardena, H., Wilson, R., Georgakis, S., Bagnall, N. (2010). Homogeneity, permanent residency and racism: Experiences of Indian students at an Australian Sandstone University. *International Journal of Intercultural Information Management*, 2(2), 164-177. [More Information]

Ishimine, K., Wilson, R., Evans, D. (2010). Quality of Australian childcare and children's social skills. *International Journal of Early Years Education*, 18(2), 159-175. [More Information]

Jang, H., Jung, K., Dalton, B., Wilson, R. (2010). *Sex trafficking or shadow tourism The lives of foreign sex workers in Australia*. Saarbrücken: LAP - LAMBERT Academic Publishing.

Wilson, R., Sutton, B., Georgakis, S. (2010). Student entry mode and first year attainment at an Australian university. *IASK International Conference Teaching and Learning 2010*, Seville, Spain: International Association for Scientific Knowledge.

Georgakis, S., Wilson, R. (2010). Teacher shortage and Employment Opportunities for Newly Qualified Australian Physical and Health Education Teachers. *III International Conference of Physical Education and Sports Science*, Singapore: Nanyang Technological University.

2009

Ishimine, K., Wilson, R. (2009). Centre-based child care quality in urban Australia. *Australian Journal of Early Childhood*, 34(3), 19-29.

Dalton, B., Wilson, R. (2009). Improving quality in Australian child care: the role of the media and non-profit providers. In King, Debra; Meagher, Gabrielle (Eds.), *Paid Care in Australia: Politics, Profits, Practices*, (pp. 203-230). Sydney: Sydney University Press.

Dalton, B., Wilson, R., Harvison, J. (2009). Job satisfaction and HR issues for nurses in non-profit, non-hospital settings. *Employment Relations Record*, 9(1), 1-18.

Gunawardena, H., Bagnall, N., Georgakis, S., Wilson, R. (2009). The Educational and Socio-Cultural Experience of Indian Students at an Australian Metropolitan University: Why Urgent Review Is Needed. *IASK International Conference Teaching and Learning TL 2009*, Portugal: International Association for Scientific Knowledge.

Wilson, R. (2009). *The impact of glue ear on child development: Examining the developmental consequences of recurrent Otitis Media*. Saarbrücken, Germany: VDM Verlag.

2007

Bornholt, L., Wilson, R. (2007). A general mediated model of aspects of self-knowledge (M-ASK): children's participation in learning activities across social contexts. *Applied Psychology-an International Review*, 56(2), 302-318. [More Information]

Wilson, R. (2007). *Systematic Reviews*.

2006

Wilson, R., Loble, L. (2006). From evidence to policy-the policy maker's perspective. *Australian Educational Researcher*, RARE 6, 159-173.

O'Dea, J., Wilson, R. (2006). Socio-cognitive and nutritional factors associated with body mass index in children and adolescents:possibilities for childhood obesity prevention. *Health Education Research*, 21(6), 796-805. [More Information]