RESEARCH PROJECT LEAD / MAIN EXECUTOR

Critical Zone Observatory Avon/Pingelly

Funding body: TERN Australia / Institution: UWA

2024 — Perth, AUS

Installation of the equipment (permanent ERT, soil moisture sensors, hydrological gauges), water quality monitoring program, numerical modelling of water flow and geochemical fluxes.

Predicting Impact of Fires on Water Quality

Funding body: Water Corporation WA / Institution: ECU

2020-2023 — Perth, AUS

Developing a research strategy focused on prescribed burns and fires in the forested drinking water catchments of Perth Hills. The tasks included targeted experiments and monitoring scheme, conceptual and numerical modelling as well as a development of user-friendly fit-for-purpose predictive tool.

Nitrogen transformation in the subsurface

Funding body: Brazilian Federal Government / Institution: UFSC

2019 — Florianópolis, BRA

Investigation of transformation pathways with a particular emphasis on anaerobic ammonia oxidation (AnAmmOx). The aim was to develop a conceptual model of the relative importance of (1) water flux rate, (2) N form and concentration, and (3) cation exchange capacity of porous media in AnAmmOx.

Carbon immobilisation in the continental scale Guarani aquifer

Founding body: Brazilian Federal Government / Institution: UFSC

2017-2019 — Florianópolis, BRA

Aquifers gain little attention as sinks of global CO_2 due to low recharge rates. However, CO_2 in reaction with certain minerals may precipitate as a carbonate. We estimated that the aquifer is capable of immobilising annually up to 35 tones of CO_2

Effect of variable recharge on ethanol-gasoline contamination plumes

Founding body: Petrobras / Institution: UFSC

2017-2019 — Florianópolis, BRA

We applied biochemical markers to compare the degradation rates with chemical rates to separate the influence of variable recharge on fate and transport of Light Non-Aqueous Phase Liquids in a shallow coastal aquifer

Conjunctive use of water and energy in aquifers

Founding body: Australian Government / Institution: CSIRO Land and Water

2010-2011 — Adelaide, AUS

The thicker the aquifer is, the more suitable for conjunctive storage of water and energy

Metal mobilisation in glacial aquifers

Founding body: Polish Government / Institution: US

2006-2008 — Sosnowiec, POL

Relative importance of recharge rate, recharge water quality and discharge rates on mobilisation of Ni and Co to groundwater. The investigation pointed to a necessity to control the water level position at a predetermined depth to avoid negative effects of metal mobilisation

RESEARCH PROJECT MEMBER

Developing an integrated implementation framework for Managed Aquifer Recharge solutions to facilitate the protection of Central European water resources endangered by climate change and user conflict

Funding body: European Union / Institution: University of Silesia

2019-2021 — Katowice, POL

Review and support the hydrogeology team in dissipating information on Managed Aquifer Recharge; orientate graduate students; advice on field pilot trials, site prospection, instrumentation and monitoring

1. Bioregional Assessments and 2. National Assessment of Chemicals Associated with Coal Seam Gas Extraction in Australia

Funding body: Australian Government / Institution: CSIRO Land and Water

2012-2014 Adelaide, AUS

Groundwater modelling to inform the impacts of coal mining and coal seam gas extraction on the water resources and the environment

Managed Aquifer Recharge and Recycling Options: Understanding clogging processes and water quality impacts

Funding body: Australian Government / Institution: CSIRO Land and Water

2013-2015 Adelaide, AUS

Interpretation of nutrient fluxes and their influence on clogging rates in Soil Aquifer Treatment site in Alice Springs (NT)

Managed Aquifer Recharge and Stormwater Use Options

Funding body: Australian Government / Institution: Goyder Institute

2011-2013 Adelaide, AUS

Hydrogeology and modelling input for assessment of maximal and residual risk to public health and the environment of twelve different options for harvesting stormwater in the Parafield and neighbouring catchments of Salisbury, South Australia

Broken Hill Managed Aquifer Recharge

Funding body: Australian Government / Institution: CSIRO Land and Water

2010-2012 Adelaide, AUS

Hydrogeology and modelling input for feasibility study into securing Broken Hills water supply during drought; reduce evaporation and improve water efficiency at the Menindee Lakes Storages; protect the local environment and heritage; and return up to 200 gigalitres (GL) to the Murray-Darling Basin

Aquifer Storage Transfer and Recovery at Parafield Airport, SA

Funding body: City of Salisbury, Government of South Australia, Australian Government / Institution: CSIRO Land and Water

2010-2012 Adelaide, AUS

Operational study of multiple well injection, storage and recovery scheme in the City of Salisbury, SA

Stormwater recharge, storage and recovery from the fractured siltstone-sandstone aquifer in Aspendale, Vic

Funding body: Government of Victoria & Rossdale Golf Course / Institution: CSIRO Land and Water

2010-2012 Adelaide, AUS

Hydrogeological and operational study of Aquifer Storage and Recovery in a low permeability aquifer in Aspendale, Victoria

POSTGRADUATE STUDENT ORIENTATION

Mr Kuenzang Tshering - associate PhD supervisor

Institution: Edith Cowan University

2020-2023 Perth, AUS

Impacts of Wildland Fires on Dissolved Organic Matter in Forested Catchment

Simone Pereira - associate MSc supervisor

Institution: Federal University of Ouro Preto

2019-2022 Ouro Preto, BRA

Verification of groundwater flow and solute transport in the SCBR computational code

Dr Fabrizio Rama - principal PhD supervisor

Institution: Federal University of Santa Catarina

2017-2019 Florianópolis, BRA

Hydrogeological model of gasoline and ethanol contamination in a shallow coastal aquifer

Diego Cathcart - principal MSc supervisor

Institution: Federal University of Santa Catarina

2017-2019 Florianópolis, BRA

Verification of groundwater flow and solute transport in the SCBR computational code

Muriel Lumsden Szymanski - associate MSc supervisor

Institution: Federal University of Santa Catarina

2017-2019 Florianópolis, BRA

Mathematical modelling of the mineral oil transport in unsaturated zone - a case study from the electric energy substations

Marília Offemann Skowronski - associate MSc supervisor

Institution: Federal University of Santa Catarina

2017-2019 Florianópolis, BRA

Impacts of the ethanol spills on unsaturated zone and groundwater - a modelling study

Karolina Potoczny - associate MSc supervisor

Institution: University of Silesia

2007-2008 Katowice, POL

New methods of measuring cation exchange capacity

PROFESSIONAL MEMBERSHIP

- Modelling and Simulation Society of Australia and New Zealand
- American Geophysical Union
- Hydrological Society of South Australia (vice-chairman from 2012-2014)
- International Association of Hydrogeologists

UNIVERSITY COURSES TAUGHT

Environmental Geochemistry (Graduate Program in Environmental Engineering)

Dept of Sanitary and Environmental Engineering, Federal University of Santa Catarina (UFSC)

2019-2020 Florianópolis, BRA

Global Environmental Change (Graduate Program in Environmental Engineering)

Dept of Sanitary and Environmental Engineering, Federal University of Santa Catarina (UFSC)

2017-2020 Florianópolis, BRA

Water Quality Modelling (Undergraduate program in Sanitary and Environmental Engineering, 3^{rd} year)

Dept of Sanitary and Environmental Engineering, Federal University of Santa Catarina (UFSC)

2017-2020 Florianópolis, BRA

Python for Environmental Applications (Graduate Program in Environmental Engineering)

Dept of Sanitary and Environmental Engineering, Federal University of Santa Catarina (UFSC)

2018-2019 Florianópolis, BRA

Sustainable Energy (Undergraduate program in Sanitary and Environmental Engineering, optional course)

Dept of Sanitary and Environmental Engineering, Federal University of Santa Catarina (UFSC)

2018 Florianópolis, BRA

Groundwater and Soil Contamination (Undergraduate program in Sanitary and Environmental Engineering, optional course)

Dept of Sanitary and Environmental Engineering, Federal University of Santa Catarina (UFSC)

2018-2019 Florianópolis, BRA

Hydrogeological Modelling (Graduate program in Hydrogeology, 2^{nd} year)

Faculty of Earth Sciences, University of Silesia (US)

2006-2008 Katowice, POL

Hydrogeology (Undergraduate programs in Geology, 2^{nd} year and Geophysics 3^{rd} year)

Faculty of Earth Sciences, University of Silesia (US)

2002-2008 Katowice, POL

Hydrogeology and Geological Attendance of Drillings (Undergraduate program in Geology, 2^{nd} year)

Faculty of Earth Sciences, University of Silesia (US)

2002-2008 Katowice, POL

OTHER TEACHING ACTIVITIES

Presenter

Children's Gnangara Groundwater Festival

2023 Perth, AUS

Groundwater Modelling with MODFLOW (short on-line course)

International Centre of Excellence in Water Resources Management

2019-2020 Adelaide, AUS

Scientists in Schools (CSIRO Program for High-School Students)

CSIRO Land and Water

2012-2014 Adelaide, AUS

Managing Aquifer Recharge

National Centre for Groundwater Research and Training

2014 Adelaide, AUS

ISI Listed Journal Articles

- Miotliński, Konrad, Kuenzang Tshering, et al. (June 2023). "Simulated temperatures of forest fires affect water solubility in soil and litter". In: *Ecological Indicators* 150, p. 110236. ISSN: 1470160X. DOI: 10.1016/j.ecolind.2023.110236. URL: https://www.sciencedirect.com/science/article/pii/S1470160X23003783.
- Tshering, Kuenzang et al. (Feb. 2023). "Effect of fire on characteristics of dissolved organic matter in forested catchments in the Mediterranean biome: A review". In: *Water Research* 230. ISSN: 18792448. DOI: 10.1016/j.watres.2022.119490.
- Miotliński, Konrad and Luk J.M. Peeters (Sept. 2021). "Quantification of Carbon Cycling in a Large Aquifer Using Reactive Transport Modelling". In: *Frontiers in Water* 3. ISSN: 26249375. DOI: 10.3389/frwa.2021.714075.
- Mallants, Dirk et al. (2020). "A Generic Method for Predicting Environmental Concentrations of Hydraulic Fracturing Chemicals in Soil and Shallow Groundwater". In: *Water* 12.4. ISSN: 2073-4441. DOI: 10.3390/w12040941. URL: https://www.mdpi.com/2073-4441/12/4/941.
- Rama, Fabrizio and Konrad Miotliński (2020). "Multiple-step numerical modeling to assist aquifer characterization: a case study from the south of Brazil". In: *Hydrogeology Journal* 28, pp. 2747–2763.
- Sreekanth, J. et al. (Feb. 2020). "Regional-scale modelling and predictive uncertainty analysis of cumulative groundwater impacts from coal seam gas and coal mining developments". In: *Hydrogeology Journal* 28, pp. 193–218. ISSN: 1435-0157. DOI: 10.1007/s10040-019-02087-9. URL: https://doi.org/10.1007/s10040-019-02087-9.
- Rama, Fabrizio, Débora Toledo Ramos, et al. (2019). "Flow field dynamics and high ethanol content in gasohol blends enhance BTEX migration and biodegradation in groundwater". In: *Journal of Contaminant Hydrology* 222, pp. 17–30. ISSN: 01697722. DOI: 10.1016/j.jconhyd.2019.01.003.
- Rama, Fabrizio, Konrad Miotlinski, et al. (2018). "Recharge estimation from discrete water-table datasets in a coastal shallow aquifer in a humid subtropical climate". In: *Hydrogeology Journal* 26.6, pp. 1887–1902. ISSN: 1431-2174. URL: http://link.springer.com/10.1007/s10040-018-1742-1.
- Barry, Karen E. et al. (2017). "Assessing the impact of recycled water quality and clogging on infiltration rates at a pioneering Soil Aquifer Treatment (SAT) site in Alice Springs, Northern Territory (NT), Australia". In: *Water (Switzerland)* 9.3. ISSN: 20734441. DOI: 10.3390/w9030179.
- Gastmans, D. et al. (2017). "Controls over spatial and seasonal variations on isotopic composition of the precipitation along the central and eastern portion of Brazil". In: *Isotopes in Environmental and Health Studies* 53.5. ISSN: 14772639. DOI: 10.1080/10256016.2017.1305376.
- Page, Declan, Joanne Vanderzalm, et al. (2016). "Corrigendum to "Determining treatment requirements for turbid river water to avoid clogging of aquifer storage and recovery wells in siliceous alluvium" [Water Res. 66 (2014) 99-110]". In: *Water research* 101, pp. 640–641. ISSN: 0043-1354. DOI: 10.1016/j.watres.2016.06.020. URL: https://doi.org/10.1016/j.watres.2016.06.020.
- Miotliński, K and P J Dillon (2015). "Relative Recovery of Thermal Energy and Fresh Water in Aquifer Storage and Recovery Systems." In: *Ground water* 1, pp. 877–884. ISSN: 1745-6584. DOI: 10.1111/gwat.12286. URL: http://www.ncbi.nlm.nih.gov/pubmed/25399802.
- Page, D., D. Gonzalez, S. Torkzaban, et al. (2015). "Microbiological risks of recycling urban stormwater via aquifers for various uses in Adelaide, Australia". In: *Environmental Earth Sciences* 73.12. ISSN: 18666299. DOI: 10.1007/s12665-014-3466-4.
- Miotliński, K., P.J. Dillon, P. Pavelic, K. Barry, et al. (2014). "Recovery of injected freshwater from a brackish aquifer with a multiwell system". In: *Groundwater* 52.4. ISSN: 17456584. DOI: 10.1111/gwat.12089.
- Page, D., K. Miotliński, D. Gonzalez, et al. (2014). "Environmental monitoring of selected pesticides and organic chemicals in urban stormwater recycling systems using passive sampling techniques". In: *Journal of Contaminant Hydrology* 158. ISSN: 01697722. DOI: 10.1016/j.jconhyd.2014.01.004.
- Page, D., J. Vanderzalm, et al. (2014). "Determining treatment requirements for turbid river water to avoid clogging of aquifer storage and recovery wells in siliceous alluvium". In: *Water Research* 66. ISSN: 18792448. DOI: 10.1016/j.watres.2014.08.018.
- Page, Declan, Konrad Miotliński, et al. (2013). "Human health risks of untreated groundwater third pipe supplies for non-potable domestic applications". In: *Urban Water Journal* 11.6, pp. 461–466. URL: https://extranet.cranfield.ac.uk/doi/abs/10.1080/,DanaInfo=www.tandfonline.com+1573062X.2013.831912%7B%5C#%7D.U48ejvldUuc.
- Miotliński, Konrad, Dieke Postma, and Andrzej Kowalczyk (2012). "Variable infiltration and river flooding resulting in changing groundwater quality - A case study from Central Europe". In: *Journal of Hydrology* 414-415, pp. 211–219.
- Miotliński, K., P.J. Dillon, P. Pavelic, P.G. Cook, et al. (2011). "Recovery of injected freshwater to differentiate fracture flow in a low-permeability brackish aquifer". In: *Journal of Hydrology* 409.1-2. ISSN: 00221694. DOI: 10.1016/j.jhydrol.2011.08.025.
- Page, D., K. Miotliński, P. Dillon, et al. (2011). "Water quality requirements for sustaining aquifer storage and recovery operations in a low permeability fractured rock aquifer". In: *Journal of Environmental Management* 92.10. ISSN: 03014797. DOI: 10.1016/j.jenvman.2011.04.005.
- Page, Declan W., Stuart J. Khan, and Konrad Miotlinski (2011). "A systematic approach to determine herbicide removals in constructed wetlands using time integrated passive samplers". In: *Journal of Water Reuse and Desalination* 1.1, p. 11. URL: http://www.iwaponline.com/jwrd/001/jwrd0010011.htm.
- Vanderzalm, J. L. et al. (2011). "Arsenic mobility and impact on recovered water quality during aquifer storage and recovery using reclaimed water in a carbonate aquifer". In: *Applied Geochemistry* 26.12, pp. 1946–1955.

- Fabiańska, Monika, Konrad Miotliński, and Andrzej Kowalczyk (2008). "Geochemical features of re-deposited organic matter occurring in fluvioglacial sediments in the Racibórz region (Poland): A case study". In: *Chemical Geology* 253.3-4, pp. 151–161.
- Miotliński, Konrad (2008a). "Coupled reactive transport modeling of redox processes in a nitrate-polluted sandy aquifer". In: *Aquatic Geochemistry* 14.2, pp. 117–131.

Theses

- Miotliński, Konrad (2008b). "Hydrogeochemical evolution in the buried valley in the Racibórz area". In English. University of Silesia. 180 pp.
- – (2002). "The occurence of potentially therapeutic groundwater in the Upper Silesian Coal Basin". In Polish. University of Silesia. 112 pp.

Book Chapters

- Klopmann, W and Konrad Miotliński (2012). "Use of groundwater models for prediction and optimisation of the behaviour of MAR sites". In: *Water Reclamation Technologies for Safe Managed Aquifer Recharge*. Ed. by K. Kazner, Th. Wintgens, and P. Dillon. IWA Publishing.

Peer-Reviewed Technical Reports

- Janardhanan, S et al. (2018). *Groundwater numerical modelling for the Namoi subregion. Product 2.6.2 for the Namoi subregion from the Northern Inland Catchments Bioregional Assessment*. Tech. rep. Department of the Environment, Energy, Bureau of Meteorology, CSIRO, and Geoscience Australia, Australia.
- Mallants, D, E Bekele, W Schmid, and K Miotliński (2017). *Human and environmental exposure conceptualisation: Soil to shallow groundwater pathways*. Tech. rep. CSIRO Land and Water.
- Mallants, D, E Bekele, W Schmid, K. Miotliński, and K. Bristow (2017). *Literature review: Identification of potential pathways to shallow groundwater of fluids associated with hydraulic fracturing*. Tech. rep. CSIRO Land and Water.
- Mallants, D, E Bekele, W Schmid, K. Miotliński, A. Taylor, et al. (2017). *Human and environmental exposure assessment: Soil to shallow groundwater pathways – A study of predicted environmental concentrations*. Tech. rep. CSIRO Land and Water.
- Bekele, EB et al. (2015). *Managed Aquifer Recharge and Recycling Options: Understanding Clogging Processes and Water Quality Impacts*. Tech. rep. CSIRO Land and Water.
- Miotliński, K (2014). *Context statement for the Namoi Subregion. Product 1.1 from the Northern Inland Catchements Bioregional Assessment*. Tech. rep. Department of the Environment, Energy, Bureau of Meteorology, CSIRO, and Geoscience Australia, Australia.
- Page, D., D. Gonzalez, P. Dillon, et al. (2013). *Managed Aquifer Recharge Stormwater Use Options: Public Health and Environmental Risk Assessment Final Report*. Tech. rep. Goyder Institute for Water Research Technical Report Series No. 13/17.
- Lawrie, K.C., R.S. Brodie, P. Dillon, K.P. Tan, D. Gibson, J. Magee, J.D.A. Clarke, Somerville P., et al. (2012). *Broken Hill Managed Aquifer Recharge Project: Assessment of conjunctive water supply options to enhance the drought security of Broken Hill, regional com- munities and industries - summary report*. Tech. rep. Geoscience Australia.
- Lawrie, K.C., R.S. Brodie, P. Dillon, K.P. Tan, D. Gibson, J. Magee, J.D.A. Clarke, P. Somerville, et al. (2012). *Broken Hill Managed Aquifer Recharge Project: Securing Broken Hill's water supply: Assessment of conjunctive water supply options involving managed aquifer recharge options at Menindee Lakes*. Tech. rep. Geoscience Australia.
- Lawrie, K.C., R.S. Brodie, K.P. Tan, et al. (2012). *Broken Hill Managed Aquifer Recharge Project: Data acquisition, processing, analysis and interpretation methods*. Tech. rep. Geoscience Australia.
- Page, D., P. Dillon, et al. (2011). *Managed aquifer recharge case study risk assessments*. Tech. rep. CSIRO Water for a Healthy Country Flagship report.
- Dillon, P., P. Pavelic, et al. (2010). *Developing aquifer storage and recovery (ASR) opportunities in Melbourne - Rossdale ASR demonstration project final report*. Tech. rep. CSIRO Water for a Healthy Country Flagship report.
- Kremer, S. et al. (2010). *Revised flow and solute transport modelling for ASTR operations, South Australia*. Tech. rep. CSIRO Water for a Healthy Country Flagship report.
- Miotliński, K., K. Barry, P.J. Dillon, et al. (2010). *Alice Springs Soil Aquifer Treatment project hydrological and water quality monitoring report 2008-2009*. Tech. rep. CSIRO Water for a Healthy Country Flagship report.
- Miotliński, K., K. Barry, J. Vanderzalm, et al. (2009). *Alice Springs SAT Project Preliminary monitoring report (3 June - 18 December 2008)*. Tech. rep. CSIRO Water for a Healthy Country Flagship report.

Other Peer-Reviewed Publications

- Kowalczyk, A., K. Miotliński, and K. Rubin (2009). *Modelowanie przepływu wód podziemnych*. Ed. by J. Gurwin and Sta{sko, family=S., given=S., giveni=S. Acta Universitatis Wratislaviensis 436. Wydawnictwo Uniwersytetu Wroclawskiego. Chap. Modelowanie przepływu wód podziemnych w wielowarstwowym systemie wodonośnym w rejonie Tarnowskich Gór. Pp. 105–119.
- Potoczny, K., K. Miotliński, and A. Kowalczyk (2009). *Cation exchange capacity and the influence of ion exchange on chemical composition of groundwater in the buried valley in the Racibórz area*. Biuletyn PIG 436. Polish Geological Institute, pp. 387–395.
- Miotliński, K. and P. Siwek (2003). *Zeszyty Naukowe Politechniki Śląskiej*. Acta Universitatis Wratislaviensis 256. Wydawnictwo Politechniki Śląskiej. Chap. Tło bromkowe i jodkowe piętra wodonośnego karbonu południowej części Górnośląskiego Zagłębia Węglowego. Pp. 156–161.

Conference Proceedings

- Miotlinski, Konrad et al. (2023). "Predicting Impact of fires on Water Quality". In: Modelling, Simulation Society of Australia, and New Zealand Inc. ISBN: 978-0-9872143-0-0.
- Schmid, W. et al. (2018). "Assessment of the dilution of coal seam gas chemicals in soil and shallow groundwater migration pathways linked to surface-operations". In: Vienna: EGU General Assembly 2018 - HS8.1.4, pp. 12701–12703.
- Barry, K. et al. (2016). "Assessing infiltration rates and clogging impacts during recycled water managed aquifer recharge in Floreat and AliceSprings, Australia". In: Mexico City: International Symposium on Managed Aquifer Recharge.
- Mallants, D. et al. (2015). "Environmental risks associated with unconventional gas extraction: an Australian perspective". In: Vienna: EGU General Assembly 2018 - HS8.1.4.
- Vanderzalm, J., E. Bekele, et al. (2014). "Managed aquifer recharge for water recycling". In: Brisbane: OzWater Congress.
- Page, D.W. et al. (2011). "Water recycling via aquifers: Applying the Australian managed aquifer recharge guidelines for water recycling via aquifers". In: Adelaide: OzWater Congress, pp. 83–86.
- Vanderzalm, J., D. Page, P.J. Dillon, et al. (2011a). "Using ASTR to harvest urban stormwater for drinking: Assessing the safety of the aquifer storage transfer and recovery project at Parafield, SA". in: Adelaide: OzWater Congress, pp. 75–78.
- – (2011b). "Water recycling via aquifers: Applying the Australian managed aquifer recharge guidelines for water recycling via aquifers". In: Adelaide: OzWater Congress, pp. 79–82.
- Dillon, P., D. Page, S. Toze, J. Vanderzalm, E. Bekele, et al. (2010). "Managed Aquifer Recharge Guidelines and Australian Compendium of Case Study Risk Assessment". In: Sydney, NSW: Water Reuse and Desalination: Water Scarcity Solutions for the 21st Century.
- Dillon, P., D. Page, S. Toze, J. Vanderzalm, K. Miotlinski, et al. (2010). "Use of detention storage and managed aquifer recharge to buffer water quality variability for drinking supplies". In: Cracow, Poland: XXXVIII International Association of Hydrogeologists Congress, 12-17 September 2010. IAH-AGH University of Science and Technology.
- Dillon, P., J. Vanderzalm, et al. (2010). "Managed aquifer recharge: a novel adaptation to climate change via water recycling". In: Canberra, ACT: Groundwater 2010.
- Levett, K. et al. (2010). "Challenges of urban stormwater reuse via low permeability fractured rock aquifer in Victoria". In: Sydney, NSW: Stormwater Industry Association National Conference, 8-12 November 2010.
- Miotliński, K., P. Dillon, et al. (2010a). "A coupled groundwater flow, solute and heat transport model to assist the operation of an Aquifer Storage Transfer and Recovery facility (Salisbury, South Australia)". In: Canberra, ACT: Groundwater 2010.
- – (2010b). "The use of coupled groundwater flow, solute and heat transport model to facilitate the Aquifer Storage Transfer and Recovery". In: Cracow, Poland: XXXVIII International Association of Hydrogeologists Congress, 12-17 September 2010. IAH-AGH University of Science and Technology, pp. 2321–2325.
- Miotliński, K., K. Levett, et al. (2010). "Aquifer storage and recovery (ASR) in a low-permeability fractured media". In: Abu Dhabi, UAE: 7th Annual International Symposium on Managed Aquifer Recharge, IAH/ASCE.
- Vanderzalm, J., D. Page, P. Dillon, et al. (2010). "Assessing the risks of recycling urban stormwater for potable supply via an aquifer". In: Sydney, NSW: Stormwater Industry Association National Conference, 8-12 November 2010.
- Vanderzalm, J., D. Page, S. Toze, et al. (2010). "Water recycling via the aquifer: benefits and hazards". In: Canberra, ACT: Groundwater 2010.
- Miotliński, K., K. Barry, P. Pavelic, et al. (2009). "Soil aquifer treatment in Alice Springs - initial operation results". In: Brisbane, QLD: Proceedings IWA Reuse09 Symposium, 20-25 September 2009.
- Miotliński, K. and A. Kowalczyk (2009). "Interactions between the Pleistocene aquifer and the Oder River in the Racibórz area, Southern Poland". In: Prague, Czech Republic: International Interdisciplinary Conference on Predictions for Hydrology, Ecology, Water Resources Management: Using Data, and Models to Benefit Society, 15–18 September 2008.