

INDIVIDUAL PUBLICATIONS FOR MRS E FREIDRICH

FOR PERIOD 2001 TO 2005

Conference Proceedings :

1. **FRIEDRICH, E.** and BUCKLEY, C.A., 'Life-Cycle Assessment as an Environmental Assessment Tool - A South African Case Study for the Production of Potable Water', Proceedings, International Association for Impact Assessment (IAIAsa) on Sustainable Relationships for a Sustainable Environment, Greenway Woods Country Estate, White River, Mpumalanga, South Africa, pp. 137-140, 8-10 October 2001. (Paper)
2. **FRIEDRICH, E.** and BUCKLEY, CA., 'Life Cycle Assessment as an Environmental Management Tool in the Production of Potable Water', Proceedings Volume 2, The International Water Association Conference on Water and Wastewater Management for Developing Countries, Putra World Trade Centre, Kuala Lumpur, Malaysia, pp. 185-194, 29-31 October 2001. (Paper)
3. PILLAY, S.D., **FRIEDRICH, E.** and BUCKLEY, C.A., 'Life Cycle Assessment of an Industrial Water Recycling Plant', Proceedings Volume 1, The International Water Association Conference on Water and Wastewater Management for Developing Countries, Putra World Trade Centre, Kuala Lumpur, Malaysia, pp. 104-110, 29-31 October 2001. (Paper)
4. **FRIEDRICH, E.** And BUCKLEY, C.A., 'Life-Cycle Assessment as an Environmental Management Tool in the Water Industry', Water Institute of Southern Africa (WISA), Biennial Conference & Exhibition, ICC, Durban, South Africa, 19-23 May 2002. (Paper)
5. PILLAY, S.D., **FRIEDRICH, E.** and BUCKLEY, C.A., 'Life Cycle Assessment of a Water Recycling Plant', Water Institute of Southern Africa (WISA), Biennial Conference & Exhibition, ICC, Durban, South Africa, 19-23 May 2002. (Poster)
6. PILLAY, S.D., **FRIEDRICH, E.** And BUCKLEY, C.A., 'Life Cycle Assessment as a Focusing and Environmental Improvement Tool – A Case Study in Water Recycling', Proceedings of the South African Chemical Engineering Congress, Chemical Engineers Competing in the Global Economy, Sun City, South Africa, 3-5 September 2003, ISBN No. 0-958-46095-7. (Paper)
7. PILLAY, S.D., **FRIEDRICH, E.** And BUCKLEY, C.A., 'An Assessment of Using Water Recycling to Release Water for New Domestic Consumers', United Nations Environment Programme, Dams and Development Project, Issue Based Workshop 1, Comprehensive Options Assessment of Dams and their Alternatives, International Conference Centre Geneva, Nairobi, Kenya , 22-24 September 2003. (Extended abstract)
8. PILLAY, S.D., **FRIEDRICH, E.** And BUCKLEY, C.A., 'Life Cycle Assessment as a Focusing and Improvement Tool as Applied to Wastewater Treatment', The International Water Association Conference on Environmental Biotechnology, Advancement on Water and Wastewater Applications in the Tropics, The Legend Hotel, Kuala Lumpur, Malaysia, 9-10 December 2003. (Paper)
9. **FRIEDRICH, E.,** PILLAY, S. And BUCKLEY, C.A., 'The Environmental Impacts of Potable and Recycled Water : A Case Study on Effluent Toxicity', Proceedings of the 2004 Water Institute of Southern Africa (WISA) Biennial Conference and Exhibition, Cape Town International Convention Centre, Cape Town, South Africa, 2-6 May 2004, pp. 253-262, ISBN 1-920-01728-3. (Paper)
10. PILLAY, S.D., **FRIEDRICH, E.** And BUCKLEY, C.A., 'An Assessment of Using Water Recycling to Release Water for New Domestic Consumers : Initial Results', Proceedings of the 2004 Water Institute of Southern Africa (WISA) Biennial Conference and Exhibition, Cape Town International Convention Centre, Cape Town, South Africa, 2-6 May 2004, pp. 882-889, ISBN 1-920-01728-3. (Paper)
11. LESKE, T., BUCKLEY, C.A. And **FRIEDRICH, E.,** 'Salinity - A New Environmental Impact Category for Life Cycle Assessments', The Third African Roundtable on Sustainable Consumption and Production, Casablanca, Morocco. 17-20 May 2004. (Paper)

Publications :

1. **FRIEDRICH, E.** and BUCKLEY, C.A., 'Life Cycle Assessment as an Environmental Management Tool in the Production of Potable Water', *Water Science & Technology*, **46** (9), pp. 29-36, October 2002, ISBN 1843394286.
2. PILLAY, S.D., **FRIEDRICH, E.** and BUCKLEY, C.A., 'Life Cycle Assessment of an Industrial Water Recycling Plant', *Water Science & Technology*, **46** (9), pp. 55-62, October 2002, ISBN 1843394286.
3. BRENT, C.A., ROHWER, B.M., **FRIEDRICH, E.** And VON BLOTTNITZ, H., 'An Overview of the Status of Life Cycle Assessment and Engineering Research in South Africa', *The International Journal of Life Cycle Assessment*, **7**(3), pp. 167-176, 2002.
4. **FRIEDRICH, E.** , 'The Environmental Life Cycle Assessment As a Holistic Environmental Tool - Part 1', *Chemical Technology*, pp. 9-11, January 2003.
5. PILLAY, S.D., **FRIEDRICH, E.** And BUCKLEY, C.A., 'Life Cycle Assessment as a Focusing and Improvement Tool as Applied to Wastewater Treatment', *Water and Environmental Management Series, Environmental Biotechnology : Advancement in Water and Wastewater Application in the Topics*, (1), pp. 267 -273, 2004, ISBN 1 84339 503 7

Reports :

1. **FRIEDRICH, E.** And BUCKLEY, C.A., 'The Use of Life Cycle Assessment in the Selection of Water Treatment Processes', WRC Report No. 1077/1/02, Water Research Commission, Pretoria, pages 86, ISBN 1 86845 858 X, March 2002.
2. **FRIEDRICH, E.**, BUCKLEY, C.A., PILLAY, S. And LESKE, A., 'A Life Cycle Assessment of Secondary Water Supply', WRC Report No. 1252, Water Research Commission, Pretoria, July 2005. (In print)