

INDIVIDUAL PUBLICATIONS FOR MRS K FOXON

FOR PERIOD 2001 TO 2005

Conference Proceedings :

1. DAMA, P., BELL, J., **FOXON, K.**, NAIDOO, V., BROUCKAERT, C.J., BUCKLEY, C.A. and STUCKEY, D.*, 'The Anaerobic Baffled Reactor for the Treatment of Domestic Wastewater in Dense Peri-urban Communities', Part 2 : Proceedings of the 9th World Congress on Anaerobic Digestion 2001, Antwerpen, Belgium, 385-388, 2-5 September 2001. (Poster)
2. **FOXON, K.M.**, BROUCKAERT, C.J., BUCKLEY, C.A. and ROZZI, A*, 'Denitrification Activity Measurements Using An Anoxic Titration (pHstat) Bioassay', Proceedings Volume 1, The International Water Association Conference on Water and Wastewater Management for Developing Countries, Putra World Trade Centre, Kuala Lumpur, Malaysia, pp. 277-285, 29-31 October 2001. (Paper)
3. **FOXON, K.M.**, DAMA, P., BROUCKAERT, C.J. and BUCKLEY, C.A., 'Design Considerations for the Implementation of an Anaerobic Baffled Reactor in Low-income Settlements in Kwa-Zulu Natal', Proceedings Volume 1, The International Water Association Conference on Water and Wastewater Management for Developing Countries, Putra World Trade Centre, Kuala Lumpur, Malaysia, pp. 644-655, 29-31 October 2001. (Paper)
4. DAMA, P., BELL, J., **FOXON, K.M.**, BROUCKAERT, C.J., HUANG, T., BUCKLEY, C.A., NAIDOO, V., and STUCKEY, D.*, 'Pilot-scale Study of an Anaerobic Baffled Reactor for the Treatment of Domestic Wastewater', Proceedings Volume 1, The International Water Association Conference on Water and Wastewater Management for Developing Countries, Putra World Trade Centre, Putra World Trade Centre, Kuala Lumpur, Malaysia, pp. 656-664, 29-31 October 2001. (Paper)
5. **FOXON, K.M.**, BUCKLEY, C.A. and ROZZI, A.*, 'Denitrifying Activity Measurements Using an Anoxic Titration (pHstat) Bioassay', Water Institute of Southern Africa (WISA), Biennial Conference & Exhibition, ICC, Durban, South Africa, 19-23 May 2002. (Paper)
6. **FOXON, K.M.**, DAMA, P., BELL, J. and BUCKLEY, C.A., 'Application of Aquatic Modelling to the Design of an Anaerobic Baffled Reactor for Peri-urban Sanitation', Water Institute of Southern Africa (WISA), Biennial Conference & Exhibition, ICC, Durban, South Africa, 19-23 May 2002. (Poster)
7. BROUCKAERT, C.J., HARRISON, J., **FOXON, K.**, RODDA, N., AUSTIN, A. And BUCKLEY, C.A., 'A Mathematical Analysis of the Drying Mechanisms in a Growing Heap of Faeces', 1st International Conference on Onsite Wastewater Treatment and Recycle, Esplande Hotel Fremantle, Western Australia, 11-13 February 2004. (Ref paper)
8. LALBAHADUR, T., PILLAY, S., RODDA, N., SMITH, M., BUCKLEY, C.A., HOLDER, F., BUX, F. And **FOXON, K.**, 'Microbiological Studies of an Anaerobic Baffled Reactor : Microbial Community Characterisation Deactivation of Health-related Indicator Bacteria', 1st International Conference on Onsite Wastewater Treatment and Recycle, Esplande Hotel Fremantle, Western Australia, 11-13 February 2004. (paper)
9. **FOXON, K.**, MTEMBU, D.Z., PILLAY, S., RODDA, N., SMITH, M. And BUCKLEY, C.A., 'The Anaerobic Baffled Reactor (ABR): An Appropriate Technology for the On-site Sanitation, 1st International Conference on Onsite Wastewater Treatment and Recycle, Esplande Hotel Fremantle, Western Australia, 11-13 February 2004. (Paper)
10. **FOXON, K.**, PILLAY, S., LALBAHADUR, T., RODDA, N., HOLDER, F. And BUCKLEY, C.A., 'The Anaerobic Baffled Reactor (ABR) : An Appropriate Technology for On-site Sanitation', 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. 134-144, ISBN 1-920-01728-3. (Paper)

11. FOXON, K.M., BROUCKAERT, C.J., REMIGI, E. And BUCKLEY, C.A., 'Biochemical Modelling of the Anaerobic Baffled Reactor', 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. 1435-1446, ISBN 1-920-01728-3. (Paper)

12. TOLON, L., SMITH, M., RODDA, N., **FOXON, K.** And BUCKLEY, C.A., 'Effect of Industrial Effluents on Nitrification in Activated Sludge', IWA Specialist Conference on Water and Wastewater Management for Developing Countries (WAMDEC 2004) : Innovative And Sustainable Approaches For Serving The Poor, Elephant Hills Hotel, Victoria Falls, Zimbabwe, 28-30 July 2004 , Ed. K Mathew & I Nhapi, ISBN 1-84339-511-8. (Paper)

13. PILLAY, S., **FOXON, K.,** SMITH, M., RODDA, N. And BUCKLEY, C.A., 'Treatment Performance and Effluent Quality from an Anaerobic Baffled Reactor Treating Domestic Wastewaters : Implications for Water Reuse', IWA Specialist Conference on Water and Wastewater Management for Developing Countries (WAMDEC 2004) : Innovative And Sustainable Approaches For Serving The Poor, Elephant Hills Hotel, Victoria Falls, Zimbabwe, 28-30 July 2004 , Ed. K Mathew & I Nhapi, ISBN 1-84339-511-8. (Poster)

14. PILLAY, S., **FOXON, K.,** RODDA, N., SMITH, M., and BUCKLEY, C.A., 'The Use of Effluent from an Anaerobic Baffled Reactor (ABR) for Irrigation in a Peri-Urban Community', Third International Conference on Ecological Sanitation, International Convention Centre, Durban, South Africa, 23-27 May 2005. (Paper)

15. FOXON, K. and BUCKLEY, C.A., 'The ABR Concept: A Holistic Approach to Managing Wastewater from Low-income Communities and Institutions', Third International Conference on Ecological Sanitation, International Convention Centre, Durban, South Africa, 23-27 May 2005. (Paper)

16. BROUCKAERT, C.J., **FOXON, K.,** RIDGEWAY, T., RODDA, N. And BUCKLEY, C.A., 'A Mathematical Analysis of the Drying of Faeces in a Urine Diversion Toilet - Sensitivity Analysis', Third International Conference on Ecological Sanitation, International Convention Centre, Durban, South Africa, 23-27 May 2005. (Paper)

17. ARJUN, N., **FOXON, K.,** SMITH, M., RODDA, N. And BUCKLEY, C.A., 'Characterisation of the Wastewater Produced by a Developing Community', Third International Conference on Ecological Sanitation, International Convention Centre, Durban, South Africa, 23-27 May 2005. (Poster)

18. FOXON, K., BROUCKAERT, C., RODDA, N., PFAFF, B., SALUKAZANA, L. And BUCKLEY, C.A., 'Management of Sanitation Residues', IWA/WISA Conference on Management of Residues Emanating from Water and Wastewater Treatment, Sandton Convention Centre, Johannesburg, South Africa, 9-12 August 2005. (Ref paper)

Publications:

19. FOXON, K.M., BROUCKAERT, C.J., BUCKLEY, C.A. and ROZZI, A*, 'Denitrification Activity Measurements Using An Anoxic Titration (pHstat) Bioassay', Water Science & Technology, **46**(9), pp. 211-218, October 2002, ISBN 1843394286.

20. DAMA, P., BELL, J., **FOXON, K.M,** BROUCKAERT, C.J., HUANG, T., BUCKLEY, C.A., NAIDOO, V., and STUCKEY, D., 'Pilot-scale Study of an Anaerobic Baffled Reactor for the Treatment of Domestic Wastewater', Water Science & Technology, **46** (9), pp. 263-270, October 2002, ISBN 1843394286.

21. FOXON, K., PILLAY, S., LALBAHADUR, T., RODDA, N., HOLDER, F. And BUCKLEY, C.A., 'The Anaerobic Baffled Reactor (ABR) : An Appropriate Technology for On-site Sanitation', Water SA **30**(5), (Special Edition), 2004.

22. LALBAHADUR, T., PILLAY, S., RODDA, N., SMITH, M., BUCKLEY, C., HOLDER, F., BUX, F. And **FOXON, K.,** 'Microbiological Studies of an Anaerobic Baffled Reactor : Microbial Community Characterisation Deactivation of Health-related Indicator Bacteria', Water Science and Technology, **10** (51), 2005.