

REFERENCES

1. Aelterman, P. (2009) Factors limiting the electrical energy generation in MFCs
2. Bennetto, H. P. (1990) Electricity generation by micro-organisms. *Biotechnology Education*, 1, 6.
3. BP (2011) BP Statistical Review of World Energy June 2011. London, British petroleum.
4. CEA. (2004) Pilisaru Project Report. Colombo, Central Environmental Authority.
5. CEB. (2008) Annual Report 2007. Colombo, Ceylon Electricity Board.
6. Central Bank of Sri Lanka. (2010) Annual Report 2010. Colombo, Central Bank of sri Lanka
7. Eddey, E. E. (1945) Some Engineering Applications of the Buckingham Pi Theorem. *The Ohio State Engineer*.
8. Euzen, J. P., Trambouze, P. and Wauquier, J.P. (1993) *Scale up Methodology for Chemical processes*, Paris, Edition Technip.
9. Helal, A. M., El-Nashar, A. M., Al-Katheeri, E. and Al-Malek, S. (2003) Optimal design of hybrid RO/MSF desalination plants part I: Modeling and algorithms. *Desalination*, 154.
10. Hong Liu, S. C., Liping Huang and Logan, B. E. (2008) Scale-up of membrane-free single-chamber microbial fuel cells. *Journal of Power Sources*, 179, 6.
11. Inglezakis, V. and Stavros, P. (2006) *Adsorption, Ion Exchange and Catalysis: Design of Operations and Environmental Applications* Elsevier.
12. IPCC (2007) IPCC 4th Assessment Report. United Nations Intergovernmental Panel on Climate Change.
13. Jayasinghe, R. (2010) Wind Power. *Lanka Business online*.
14. Kargi, F. and Eker S. (2009) High power generation with simultaneous COD removal using a circulating column microbial fuel cell. *J Chem Technol Biotechnol*, 84: 961-965
15. Kim, B. H. (2009) Microbial Fuel Cell. *KISToday*, 2, 5.
16. Kim, B. H., Chang, I. S. and Gadd, G. M. (2007) Challenges in microbial fuel cell development and operation. *Appl Microbiol Biotechnol*, 76, 10.

17. Larminie, J. and Dicks, A. (2003) *Fuel cell systems Explained*, John Wiley and Sons, Ltd.
18. Logan, B. E. (2008) *Microbial Fuel Cells*, Wiley-Interscience.
19. Logan, B. E., Hamelers, B., Rozendal, R., Schroder, U., Keller, J., Freguia, S., Aelterman, P., Verstraete, W. and Rabaey, K. (2006) Microbial Fuel Cells: Methodology and Technology. *Environmental Science and Technology*, 11.5.
20. Logan, B. E. and Regan, J. M. (2006) Electricity-producing bacterial communities in microbial fuel cell. *TRENDS in Microbiology*, 14, 7.
21. Lovley, D. R. (2006) Microbial Energizers: Fuel Cells That Keep on Going. *Microbe*, 1, 7.
22. Metcalf and Eddy (2003) *Wastewater Engineering Treatment and Resue*, TATA McGraw-Hill.
23. Minh, V. T. and Rani, A. M. A. (2009) Modeling and control of Distillation Column in a Petrochemical process. *Mathematical Problems in Engineering*.
24. Nealson, K. (2006) MICROBIAL FUEL CELLS (MFCs) Biofuels for energy production and Waste disposal. *Provost's Energy Retreat FEEI*.
25. Pant, D., Bogaert, G. V., Diels, L. and Vanbroekhoven, K. (2009) A review of substrates used in microbial fuel cells (MFCs) for sustainable energy production. *Bioresource Technology*, 11.
26. Qiao, Y., Bao, S., Li, C. M., Cui, X., Lu, Z. and Guo, J. (2008) Nanostructured Polyaniline/Titanium Dioxide Composite Anode for Microbial Fuel Cells. *ACSNANO*, 2, 7.
27. Qiao, Y., Li, C. M., Bao, S. and Bao, Q. L. (2007) Carbon nanotube/polyaniline composite as anode material for microbial fuel cells. *J. Power Sources*, 170, 79-84.
28. Bullen, R.A., Arnot, T. C., Lakeman, J. B. and Walsh, F. C. (2006) Biofuel cells and their development. *Biosensrs and Bioelectronics*, 21, 31.
29. Rao, A. S. (1973) Problem of scale-up in electrochemical systems. *Journal of Applied Electrochemistry*, 3.
30. Sammes, N. (2006) *Fuel Cell Technology:Reaching towards Commercialization*, Springer.
31. www.FreeCircuitDiagram.Com, 2011

32. www.microbialfuelcell.org, (2008) MFC Pilot.
33. www.microbialfuelcell.org, (2009) The Electric Microbe - Time Magazine
34. Zhuwei Du, H. L. A. T. G. (2007) A State of the art review on microbial fuel cells: A promising technology for wastewater treatment and bioenergy. *Biotechnology Advances*, 25, 18.
35. Zlokarnik, M. (2002) *Scale up in Chemical Engineering*, Wiley-VCH



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