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1. E. Daskalopoulos, O. Badr and S.D. Probert (1998), 'Municipal Solid Waste: A Prediction Methodology for the Generation Rate and Composition in the European Union Countries and the United States of America', <i>Resources, Conservation and Recycling</i> , 24 , 155–66	3
2. Otto M. Poulsen, Niels O. Breum, Niels Ebbehøj, Åse Marie Hansen, Ulla I. Ivens, Duco van Lelieveld, Per Malmros, Leo Matthiasen, Birgitte H. Nielsen, Eva Møller Nielsen, Bente Schibye, Torsten Skov, Eva I. Stenbaek and Ken C. Wilkins (1995), 'Sorting and Recycling of Domestic Waste. Review of Occupational Health Problems and their Possible Causes', <i>Science of the Total Environment</i> , 168 , 33–56	15
3. M. Renkow and A.R. Rubin (1998), 'Does Municipal Solid Waste Composting Make Economic Sense?', <i>Journal of Environmental Management</i> , 53 , 339–47	39
4. K. Westlake (1997), 'Sustainable Landfill – Possibility or Pipe-dream?', <i>Waste Management and Research</i> , 15 (5), October, 453–61	48
5. H.A. Abu Qdais, M.F. Hamoda and J. Newham (1997), 'Analysis of Residential Solid Waste at Generation Sites', <i>Waste Management and Research</i> , 15 (4), August, 395–406	57
6. Katrina Smith Korfmacher (1997), 'Solid Waste Collection Systems in Developing Urban Areas of South Africa: An Overview and Case Study', <i>Waste Management and Research</i> , 15 (5), October, 477–94	69
7. M.E. Kaseva and S.K. Gupta (1996), 'Recycling – An Environmentally Friendly and Income Generating Activity Towards Sustainable Solid Waste Management. Case Study – Dar es Salaam City, Tanzania', <i>Resources, Conservation and Recycling</i> , 17 , 299–309	87
8. Shuchi Gupta, Krishna Mohan, Rajkumar Prasad, Sujata Gupta and Arun Kansal (1998), 'Solid Waste Management in India: Options and Opportunities', <i>Resources, Conservation and Recycling</i> , 24 , 137–54	98

9. Carl R. Bartone and Livia Benavides (1997), 'Local Management of Hazardous Wastes from Small-Scale and Cottage Industries', *Waste Management and Research*, **15** (1), February, 3–21 116

PART II EVALUATION OF WASTE MANAGEMENT OPTIONS

10. Alan Barrett and John Lawlor (1997), 'Questioning the Waste Hierarchy: The Case of a Region with a Low Population Density', *Journal of Environmental Planning and Management*, **40** (1), January, 19–36 137
11. K.D. Barlishen and B.W. Baetz (1996), 'Development of a Decision Support System for Municipal Solid Waste Management Systems Planning', *Waste Management and Research*, **14** (1), February, 71–86 155
12. R.K. Turner (1992), 'Municipal Solid Waste Management: An Economic Perspective', in A.D. Bradshaw, Sir Richard Southwood and Sir Frederick Warner (eds), *The Treatment and Handling of Wastes*, Chapter 6, London: Chapman and Hall for The Royal Society, 83–102 171
13. Göran Finnveden, Ann-Christine Albertsson, Jaak Berendson, Erik Eriksson, Lars Olof Höglund, Sigbritt Karlsson and Jan-Olov Sundqvist (1996), 'Solid Waste Treatment Within the Framework of Life-Cycle Assessment', *Journal of Cleaner Production*, **3** (4), 189–99 191
14. Jane C. Powell, Amelia L. Craighill, Julian P. Parfitt and R. Kerry Turner (1996), 'A Lifecycle Assessment and Economic Valuation of Recycling', *Journal of Environmental Planning and Management*, **39** (1), March, 97–112 202
15. Iain R. Lake, Ian J. Bateman and Julian P. Parfitt (1996), 'Assessing a Kerbside Recycling Scheme: A Quantitative and Willingness to Pay Case Study', *Journal of Environmental Management*, **46** (3), March, 239–54 218
16. Guy Garrod and Ken Willis (1998), 'Estimating Lost Amenity Due to Landfill Waste Disposal', *Resources, Conservation and Recycling*, **22** (1–2), March, 83–95 234
17. Matthew A. Leach, Ausilio Bauen and Nigel J.D. Lucas (1997), 'A Systems Approach to Materials Flow in Sustainable Cities: A Case Study of Paper', *Journal of Environmental Planning and Management*, **40** (6), November, 705–23 247
18. Jane C. Powell (1996), 'The Evaluation of Waste Management Options', *Waste Management and Research*, **14**, 515–26 266
19. Horng-Guang Leu and Sheng H. Lin (1998), 'Cost-Benefit Analysis of Resource Material Recycling', *Resources, Conservation and Recycling*, **23**, 183–92 278

20. Shan-Shan Chung and Chi-Sun Poon (1997), 'Quantifying Externalities in Solid Waste Management in Hong Kong', *Journal of Environmental Engineering*, **123** (3), March, 282–9 288

PART III ECONOMIC INSTRUMENTS AND WASTE MANAGEMENT

21. R.K. Turner, R. Salmons, J. Powell and A. Craighill (1998), 'Green Taxes, Waste Management and Political Economy', *Journal of Environmental Management*, **53** (2), June, 121–36 299
22. Marie Lynn Miranda and Joseph E. Aldy (1998), 'Unit Pricing of Residential Municipal Solid Waste: Lessons from Nine Case Study Communities', *Journal of Environmental Management*, **52** (1), January, 79–93 315
23. Annegrete Bruvoll (1998), 'Taxing Virgin Materials: An Approach to Waste Problems', *Resources, Conservation and Recycling*, **22**, 15–29 330
24. Karen Palmer, Hilary Sigman and Margaret Walls (1997), 'The Cost of Reducing Municipal Solid Waste', *Journal of Environmental Economics and Management*, **33** (2), June, 128–50 345
25. Inger Brisson (1994), 'Life-Cycle Management and Economic Instruments', *OECD Documents: Life-Cycle Management and Trade*, Paris: Organisation for Economic Co-operation and Development, 188–93 368
26. Ian G. Bailey (1999), 'Competition, Sustainability and Packaging Policy in the UK', *Journal of Environmental Planning and Management*, **42** (1), January, 83–102 374

PART IV WASTE MANAGEMENT LEGISLATION AND POLICY

27. Paulien de Jong and Maarten Wolsink (1997), 'The Structure of the Dutch Waste Sector and Impediments for Waste Reduction', *Waste Management and Research*, **15**, 641–58 397
28. Adam D. Read (1999), 'Making Waste Work: Making UK National Solid Waste Strategy Work at the Local Scale', *Resources, Conservation and Recycling*, **26**, 259–85 415
29. Marjorie J. Clarke, Adam D. Read and Paul S. Phillips (1999), 'Integrated Waste Management Planning and Decision-Making in New York City', *Resources, Conservation and Recycling*, **26** (2), May, 125–41 442
30. J.M. Lusugga Kironde and Michael Yhdego (1997), 'The Governance of Waste Management in Urban Tanzania: Towards a Community Based Approach', *Resources, Conservation and Recycling*, **21**, 213–26 459

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|-----|--|-----|
| 31. | Dianne Rahm (1998), 'Controversial Cleanup: Superfund and the Implementation of U.S. Hazardous Waste Policy', <i>Policy Studies Journal</i> , 26 (4), 719–34 | 473 |
| 32. | Harvey Alter (1997), 'Industrial Recycling and the Basel Convention', <i>Resources, Conservation and Recycling</i> , 19 , 29–53 | 489 |
| 33. | Jeffery J. Himmelberger, Samuel J. Ratick and Allen L. White (1991), 'Compensation for Risks: Host Community Benefits in Siting Locally Unwanted Facilities', <i>Environmental Management</i> , 15 (5), September/October, 647–58 | 514 |
| 34. | Chris Zeiss and Lianne Lefsrud (1995), 'Analytical Framework for Waste-Facility Siting', <i>Journal of Urban Planning and Development</i> , 121 (4), December, 115–45 | 526 |
| 35. | Judith Petts (1997), 'The Public–Expert Interface in Local Waste Management Decisions: Expertise, Credibility and Process', <i>Public Understanding of Science</i> , 6 (4), October, 359–81 | 557 |
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