

# Curriculum vitae

## Personal details

**Name** Paul Malcolm Spenser MONK  
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## Principal qualifications

MA in Theology with Pastoral Studies, University of Leeds, 2007.

BA in Contextual Theology, University of Manchester, 2005.

PhD in Chemistry, University of Exeter, 1990.

BSc in Chemistry, University of Exeter, 1986.

## Church of England and Diocese of Manchester

Deaconed in Manchester Cathedral, 1 July 2007

Priested in Manchester Cathedral, 28 June 2008.

Title parish: St Mary with St Peter ('Oldham Parish Church'), Oldham, 2007–9.

Team Vicar, Medlock, Head Team Ministry (and minister with responsibility for Clarksfield: St Barnabas and Holy Trinity), 2007–2016.

Priest-in-charge, Clarksfield: St Barnabas and Waterhead: Holy Trinity, 2016–2018.

Vicar (Incumbent): Clarksfield: St Barnabas and Waterhead: Holy Trinity, 2019–present.

Assistant Curate: Hey: St John the Baptist, 2009–2016.

Assistant Curate: Moorside: St Thomas, 2016–present.

Vicar (Incumbent): Glodwick, 2022–present.

## Additional diocesan roles

Member of Diocesan Synod: 2018–present

Deanery of Oldham East: Acting Area Dean, 2018.

Deanery of Oldham East: Assistant Area Dean, 2016–2021.

Deanery of Ashton and Oldham: standing committee and clergy secretary, 2021–present.

Diocesan Ecology Committee: Clergy member, 2018–2022.

Diocesan Generosity and Giving Committee: Clergy member.

Diocesan Grants Advisory Committee: Clergy member.

Trustee: Council for Social Action: 2022-present.

## Oldham

Churches Together in East Oldham: Convenor and leader *primus inter pares*  
2012–present.

Founder member of NEON (Networking in East Oldham Neighbourhoods).

## Avocations

Chartered Chemist and Member of the Royal Society of Chemistry (CChem, MRSC  
1991).

Member of the Society of Ordained Scientists (2021).

## Ecology: Manchester Diocese eco-resources (online)

1. [Theology of ecology](#), Monk, Paul, 2022.
2. [Jargon buster](#), Monk, Paul and Carson, Matt, 2022.
3. [Ecology science](#), Monk, Paul, 2022.
4. [Responding to climate change](#), Monk, Paul and Barber-Rowell, Matthew, 2022.

## Books: theology and church

1. Monk, Paul, Holy Trinity Church Waterhead, Waterhead, Oldham, 2016.
2. Monk, Paul, *The Visiting Minister: How to welcome visiting clergy to your church*, Oxford (Vestry Guide 1), SLG Press, 2021.
3. Monk, Paul, *Help! No Minister or Please take the service* (Vestry Guide 2), Oxford, SLG Press, 2022.
4. Monk, Paul, *The Liturgy of the Eucharist* (Vestry Guide ?), Oxford, SLG Press, 2024.
5. Monk, Paul, *Prayer* Oxford, SLG Press, 202-.

## Theology: articles and contributions

1. Meditations on joy, *Fairacres Chronicle, Oxford*, SLG Press, **30**(1), 1997.
2. Preface 'Vocation', in *Monastic Vocation*, Rowan Williams, Oxford, SLG Press, 2021.

## Books: chemistry

1. Monk, P. M. S.; Mortimer, R. J.; Rosseinsky, D. R., *Electrochromism: Fundamentals and Applications*, VCH, Weinheim, 1995.
2. Monk, P. M. S., *The Viologens: Physicochemical Properties, Synthesis and Applications of the Salts of 4,4'-Bipyridine*, Wiley, Chichester, 1998.
3. Monk, P. M. S., *Fundamentals of Electroanalytical Chemistry*, Analytical Texts in the Sciences, Wiley, Chichester, 2001.
4. Monk, P. M. S., *Physical Chemistry: Understanding our Chemical World*, Wiley, Chichester, 2004.
5. Crowe, J.; Bradshaw, T., and Monk, P. M. S., *Chemistry for the Biosciences: The Essential Concepts*, Oxford University Press, Oxford, 2006.
6. Monk, P. M. S., *Maths for Chemistry: A Chemist's Toolkit of Calculations*,

- Oxford University Press, Oxford, 2006.
7. Monk, P. M. S.; Mortimer, R. J., and Rosseinsky, D. R., *Electrochromism and Electrochromic Devices*, Cambridge University Press, Cambridge, 2007.
  8. Monk, P. M. S. and Munro, L. J., *Maths for Chemistry: A Chemist's Toolkit of Calculations* (second ed.) Oxford University Press, Oxford, 2010.
  9. Monk, P. and Munro, L. J., *Matemática para Química: uma caixa de ferramentas de cálculo dos química*, (tr. Edição), Livros Técnicos e Científicos, Brazil, 2012.
  10. Mortimer, R.J., Rosseinsky, D.R., and Monk, P.M.S. (eds.), *Electrochromic Materials and Devices*, Wiley-VCH, Weinheim, 2015.
  11. Monk, P. and Munro, L. J., *Maths for Chemistry: A Chemist's Toolkit of Calculations* (third ed.) Oxford University Press, Oxford, 2021.

### Books: other

1. Gut, A.; and Vitale, B., *Depleted Uranium*, Campaign Against Depleted Uranium, Manchester, 2003. Major rewrite of the science and oversight of the English translation = P.M.S. Monk.

## Chemistry: review articles

1. Monk, P. M. S.; Mortimer, R. J., Rosseinsky, D. R., Through a glass darkly, *Chem. Brit.*, **31**, 1995, 380–382.
2. Monk, P. M. S., Charge movement through electrochromic thin-film tungsten trioxide, *Crit. Rev. Solid State Mater. Sci.*, **24**, 1999, 193–226.
3. Monk, P. M. S., Electrochromism and electrochromic materials for displays, *Handbook of Advanced Electronic and Photonic Materials and Devices*, volume 7: Liquid Crystals, Displays and Laser Materials, Academic Press, San Diego, 2001, H. S. Nalwa (ed.), pp. 105–159.
4. Monk, P. M. S., Electrochromism for electrochromic display devices, in *Handbook of Luminescence, Display Materials, and Devices*, volume 3: Display devices, American Scientific, Stevenson Ranch, 2003, H. S. Nalwa and L. S. Rohwer (eds.), pp. 262–371.

## Chemistry: papers in refereed journals

1. Rosseinsky, D. R.; Slocombe, J. D.; Soutar, A.; Monk, P. M. S. and Glidle, A., Simple diffuse reflectance monitoring of emerging surface-attached species, *J. Electroanal. Chem.*, **259**, 1989, 233–239.
2. Compton, R. G.; Monk, P. M. S.; Rosseinsky, D. R. and Waller, A. M., An ESR study of the comproportionation of 1,1'-bis(*p*-cyanophenyl)-4,4'-bipyridilium (cyanophenyl paraquat) in propylene carbonate, *J. Electroanal. Chem.*, **267**, 1989, 309–312.
3. Compton, R. G.; Waller, A. M.; Monk, P. M. S., Rosseinsky, D. R., Electron paramagnetic resonance spectroscopy of electrodeposited species from solutions of 1,1'-bis(*p*-cyanophenyl)-4,4'-bipyridilium (cyanophenyl paraquat, CPQ), *J. Chem. Soc., Faraday Trans.*, **86**, 1990, 2583–2586.
4. Rosseinsky, D. R. and Monk, P. M. S., Kinetics of the comproportionation of the bipyridilium salt *p*-cyanophenyl paraquat in propylene carbonate studied by rotating ring-disc electrodes, *J. Chem. Soc., Faraday Trans.*, **86**, 1990, 3597–3601.
5. Rosseinsky, D. R.; Monk, P. M. S., Hann, R. A., Anion-dependent aqueous electrodeposition of electrochromic 1,1'-bis-cyanophenyl-4,4'-bipyridilium (cyanophenylparaquat) radical cation by cyclic voltammetry and spectroelectrochemical studies, *Electrochim. Acta*, **35**, 1990, 1113–1123.
6. Rosseinsky, D. R., Monk, P. M. S., Electrochromic cyanophenylparaquat (CPQ: 1,1'-bis-cyanophenyl-4,4'-bipyridilium) studied voltammetrically, spectro-electrochemically and by ESR, *Solar En. Mater. Solar Cells*, **25**, 1992, 201–210.
7. Duffy, J. A.; Ingram, M. D. and Monk, P. M. S., The effect of moisture on tungsten oxide electrochromism in polymer electrolyte devices, *Solid State Ionics*, **58**, 1992, 109–114.
8. Monk, P. M. S.; Fairweather, R. D.; Duffy, J. A. and Ingram, M. D., Evidence for the product of viologen comproportionation being a spin-paired radical cation dimer, *J. Chem. Soc., Perkin Trans. II*, 1992, 2039–2041.
9. Monk, P. M. S.; Duffy, J. A., Ingram, M. D., Electrochromic display devices of tungstic oxide containing vanadium oxide or cadmium sulphide as a light-sensitive layer, *Electrochim. Acta*, **38**, 1993, 2759–2764.
10. Monk, P. M. S.; Fairweather, R. D.; Ingram, M. D., Duffy, J. A., Pulsed electrolysis enhancement of electrochromism in viologen systems: Influence of comproportionation reactions, *J. Electroanal. Chem.*, **359**, 1993, 301–306.
11. Monk, P. M. S., Chester, S. L., Electro-deposition of films of electrochromic

- tungsten oxide containing additional metal oxides, *Electrochim. Acta*, **38**, 1993, 1521–1526.
12. Rosseinsky, D. R. and Monk, P. M. S., Comproportionation in propylene carbonate of substituted bipyridiliums, *J. Chem. Soc., Faraday Trans.*, **89**, 1993, 219–222.
  13. Rosseinsky, D. R., Monk, P. M. S., Studies of tetra-(bipyridilium) salts as possible polyelectrochromic materials, *J. Appl. Electrochem.*, **24**, 1994, 1213–1221.
  14. Rosseinsky, D. R. and Monk, P. M. S., Solid-state conductivities of CPQ [1,1'-bis(*p*-cyanophenyl)-4,4'-bipyridilium] salts, redox-state mixtures and a new intervalence adduct, *J. Chem. Soc., Faraday Trans.*, **90**, 1994, 1127–1131.
  15. Monk, P. M. S.; Chester, S. L., Higham, D. S., Electrodeposition of cobalt oxide doped with additional metal oxides: a new electrochromic counter-electrode material, *Proc. Electrochem. Soc.*, **94-2**, 1994, 100–112.
  16. Monk, P. M. S.; Chester, S. L.; Higham, D. S., Partridge, R. D., Electrodeposition of cobalt oxide doped with additional metal oxides, *Electrochim. Acta*, **39**, 1994, 2277–2284.
  17. Monk, P. M. S.; Partridge, R. D.; Janes, R., Parker, M., Electrochromic tungsten oxide: doping with two or three other metal oxides, *J. Mater. Chem.*, **4**, 1994, 1071–1074.
  18. Monk, P. M. S.; Ali, T., Partridge, R. D., The effect of doping electrochromic molybdenum oxide with other metal oxides: Correlation of optical and kinetic properties, *Solid State Ionics*, **80**, 1995, 75–85.
  19. Ingram, M. D.; Duffy, J. A., Monk, P. M. S., Chronoamperometric response of the cell ITO | H<sub>x</sub>WO<sub>3</sub> | PEO–H<sub>3</sub>PO<sub>4</sub> (MeCN) | ITO, *J. Electroanal. Chem.*, **380**, 1995, 77–82.
  20. Janes, R.; Monk, P. M. S., Partridge, R. D., and Hall, S. B., Electrodeposition of thin-film rare-earth-metal oxocuprates, *J. Mater. Chem.*, **6**, 1996, 183–186.
  21. Monk, P. M. S., Ayub, S., Solid-state properties of thin film electrochromic cobalt-nickel oxide, *Solid State Ionics*, **99**, 1997, 115–124.
  22. Monk, P. M. S.; Janes, R., Partridge, R. D., Speciation analysis applied to the electrodeposition of precursors of neodymium cuprate and related phases: the first application of speciation modelling to a solution not at equilibrium, *J. Chem. Soc., Faraday Trans.*, **93**, 1997, 3985–3990.
  23. Monk, P. M. S.; Janes, R., Partridge, R. D., Speciation modelling of the electro-precipitation of rare-earth cuprate and nickelate materials: speciation of a aqueous solutions not at equilibrium, *J. Chem. Soc., Faraday Trans.*, **93**, 1997, 3991–3997.

24. Monk, P. M. S., The effect of ferrocyanide on the performance of heptyl viologen-based electrochromic display devices, *J. Electroanal. Chem.*, **432**, 1997, 175–179.
25. Monk, P. M. S. and Hodgkinson, N. M., Charge-transfer complexes of the viologens: effects of complexation on the rate of electron transfer to methyl viologen, *Electrochim. Acta*, **43**, 1998, 245–255.
26. Monk, P. M. S.; Janes, R., and Partridge, R. D., Electrochemical deposition of the hydroxide precursors of  $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$  and related phases, *J. Mater. Chem.*, **8**, 1998, 1779–1781.
27. Monk, P. M. S., Comment on: 'Dimer formation of viologen derivatives and their electrochromic properties,' *Dyes and Pigments*, **39**, 1998, 125–128.
28. Monk, P. M. S.; Duffy, J. A., Ingram, M. D., Pulsed enhancement of the rate of coloration for tungsten trioxide based electrochromic devices, *Electrochim. Acta*, **43**, 1998, 2349–2357.
29. Monk, P. M. S. and Hodgkinson, N. M., Electrochemical behavior of *N*-aminopyridilium, and the viologens *N,N'*-diamino-4,4'-bipyridilium in aqueous acid: towards the formation of polymer hybrids of pyridine and aniline, *J. Electroanal. Chem.*, **462**, 1999, 43–54.
30. Monk, P. M. S., Man, C. M., Reductive ion insertion into thin-film indium tin oxide (ITO) in aqueous acidic solutions: the effect of leaching of indium from the ITO, *J. Mater. Sci., Electron. Mater.*, **10**, 1999, 101–107.
31. Monk, P. M. S.; Turner, C., Akhtar, S. P., Electrochemical behaviour of methyl viologen in a matrix of paper, *Electrochim. Acta*, **44**, 1999, 4817–4826.
32. Monk, P. M. S.; Hodgkinson, N. M. and Ramzan, S. K., Spin pairing ('dimerisation') of the viologen radical cation: kinetics and equilibria, *Dyes and Pigments*, **43**, 1999, 207–217.
33. Monk, P. M. S.; Bleazard, S., Akhtar, S. P., and Boutevin, J., Tailoring the optical properties of metal-oxide electrochromic mixtures, *Phys. Chem. Chem. Phys.*, **2**, 2000, 4415–4419.
34. Monk, P. M. S.; Akhtar, S. P.; Boutevin, J., Duffield, J. R., Toward the tailoring of electrochromic bands of metal-oxide mixtures, *Electrochim. Acta*, **46**, 2001, 2091–2096.
35. Monk, P. M. S.; Delage, F. and Costa Vieira, S. M., Electrochromic paper: utility of electrochromes incorporated in paper, *Electrochim. Acta*, **46**, 2001, 2195–2002.
36. Shaw, J.; Jones, A. N., Monk, P. M. S., and Rego, C. A., Electrochemical behaviour of graphite- and molybdenum electrodes modified with thin-film diamond, *Diamond Rel. Mater.*, **11**, 2002, 1690–1696.