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Stephen Lincoln is a Professor in the School of Chemistry and Physics and the Research Institute for Climate Change and Sustainability at the University of Adelaide. He holds an Honours BSc and DSc from the University of Manchester and a PhD from the University of Adelaide.

He teaches widely in chemistry and environmental chemistry at the University of Adelaide. His research activities encompass the design of molecules for use in nanotechnology and sensor molecules for biological and environmental monitoring. One of these sensors, Zinquin, is internationally the most used fluorescent detector for zinc in biological and medical cellular studies, and is sold by many fine chemical suppliers.

He has published three hundred research papers in international journals and two books, the latest of which, "Challenged Earth: An Overview of Humanity's Stewardship of Earth" presents a broad and generally optimistic coverage of humanity's future. He received an UNESCO award for this book in 2007.

He has held visiting academic positions at the Universities of Kent, Cambridge and Lausanne and Washington State University. Currently, he participates in collaborative research projects with the Australian National University, Flinders University, Princeton University, the University of New Orleans, and the East China University of Science and Technology. He also consults for industry in areas ranging from wool technology to improved sunscreens.

He is a Fellow of The Royal Society of Chemistry and The Royal Australian Chemical Institute, and is Vice-President of the Asian Cyclodextrin Society, and chair of the forthcoming International Conference on Coordination Chemistry to be held in Adelaide in 2010. He was awarded the 2002 H. G. Smith medal, which is the senior research award of the Royal Australian Institute of Chemistry which also twice awarded him the Archibald D. Ollé Prize (2000 and 2007) for the two books listed below.

In more generalist areas, Professor Lincoln writes environmental and science articles for the Advertiser, appears on ABC 891 in Adelaide and on Melbourne and Brisbane commercial radio programmes, is an occasional consultant for ABC TV Behind the News, and presents invited talks to a wide range of audiences on climate change, energy, nuclear power, and the challenges of the 21st century. He also consults for the wool processing and pharmaceutical industries

A selection of some recent publications appears below:

Books

1. *Challenged Earth. An Overview of Humanity's Stewardship of Earth*. S. F. Lincoln, Imperial College Press, 2006, 533 pages, ISBN 1-86094-526-0.
2. *Modified Cyclodextrins: Scaffolds and Templates for Supramolecular Chemistry*, C. J. Easton and S. F. Lincoln, Imperial College Press, 1999, 293 pages, ISBN 1-86094-1443.

Research Papers

3. Harnessing the energy of molecular recognition in a nanomachine having a photochemical on/off switch, R. J. Coulson, H. Onagi, S. F. Lincoln and C. J. Easton, *J. Am. Chem. Soc.*, **2006**, *128*, 14750-14751.
4. Rheological control by modulating hydrophobic and inclusion associations in modified poly(acrylic acid) solutions. X. Guo, A. A. Abdala, B. L. May, S. F. Lincoln, S. A. Khan and R. K. Prud'homme, *Polymer*, **2006**, *47*, 2976-2983.
5. Fossil fuels in the 21st century. S. F. Lincoln, *Ambio*, **2005**, *34*, 45-51.
6. Cyclodextrin and modified cyclodextrin complexes of *E*-4-*t*-butylphenyl-4'-oxazo-benzene: UV-visible, ¹H NMR and Ab Initio studies. B. L. May, J. Gerber, P. Clements, M. A. Buntine, D. R. B. Brittain, S. F. Lincoln and C. J. Easton, *Org. Biomol. Chem.*, **2005**, *3*, 1481-1488.
7. Intra- and intermolecular complexation in C(6) azacoronand substituted cyclodextrins. J. S. Lock, B. L. May, P. Clements, S. F. Lincoln and C. J. Easton, *Org. Biomol. Chem.*, **2004**, *2*, 1381-1386.
8. Aminoacid *N*-substituted 1,4,7-triazacyclononane and 1,4,7,10-tetraazacyclododecane Zn²⁺, Cd²⁺ and Cu²⁺ complexes. A preparative, potentiometric titration and NMR spectroscopic study. S. E. Plush, S. F. Lincoln and K. P. Wainwright, *Dalton Trans.*, **2004**, 1410-1417.
9. Cyclodextrin complexation of a stilbene and the self-assembly of a simple molecular device. J. S. Lock, B. L. May, P. Clements, S. F. Lincoln and C. J. Easton, *Org. Biomol. Chem.*, **2004**, *2*, 337-334.
10. Coordination and fluorescence of the intracellular Zn²⁺ probe [2-methyl-8-(4-toluenesulfonamido)-6-quinolyloxy]acetic acid (Zinquin A) in ternary Zn²⁺ complexes. K. M. Hendrickson, J. P. Geue, O. Wyness, S. F. Lincoln and A. D. Ward, *J. Am. Chem. Soc.*, **2003**, *125*, 3889-3895.
11. Diazacoronand linked β-cyclodextrin dimer complexes of Brilliant Yellow tetraanion and their sodium(I) analogues. L. C. West, O. Wyness, B. L. May, P. Clements, S. F. Lincoln and C. J. Easton, *Org. Biomol. Chem.*, **2003**, *1*, 887-894.
12. Complexation of alkali metal and alkaline earth ions by anthracene based fluorophores with one and two appended monoaza coronand receptors. J. P. Geue, N. J. Head, A. D. Ward and S. F. Lincoln, *J. Chem. Soc., Dalton Trans.*, **2003**, 521-526.
13. Complexation by α- and β-cyclodextrin C(6) linked homo- and hetero-dimers of Brilliant Yellow tetraanion: A study of host-guest size relationships. M. M. Cieslinski, P. Clements, B. L. May, C. J. Easton and S. F. Lincoln, *J. Chem. Soc., Perkin Trans. 2*, **2002**, 947-952.
14. Size discrimination in intramolecular complexation of modified α-cyclodextrins: A preparative and nuclear magnetic resonance study. J. S. Lock, B. L. May, P. Clements, J. Tsanaktsidis, C. J. Easton and S. F. Lincoln, *J. Chem. Soc., Perkin 1.*, **2001**, 3361-3364.
15. Diastereomeric discrimination in 1,4,7-tris((*S*)-2-hydroxypropyl)-1,4,7-triazacyclononane and its lithium(I), sodium(I) and zinc(II) complexes. J. M. Weeks, M. A. Buntine, S. F. Lincoln, E. R. Tiekink and K. P. Wainwright, *J. Chem. Soc., Dalton Trans.*, **2001**, 2157-2163.
16. Intramolecular complexation in modified β-cyclodextrins: A preparative, nuclear magnetic resonance and pH titration study. M. J. Field, B. L. May, P. Clements, J. Tsanaktsidis, C. J. Easton and S. F. Lincoln, *J. Chem. Soc., Perkin Trans. 1*, **2000**, 1251-1258.
17. Alkaline earth complexes of 1,4,7,10-tetrakis(2-hydroxyethyl)- and 1,4,7,10-tetrakis(2-methoxyethyl)-1,4,7,10-tetraazacyclododecane. An equilibrium and kinetic study. R. Dhillon, S. F. Lincoln, S. Madbak, A. K.W. Stephens, K. P. Wainwright and S. L. Whitbread, *Inorg. Chem.*, **2000**, *39*, 1855-1858.