
Dr. R. Glynn SKERRATT PhD CChem CEnv CSci FHEA MRSC MCIWEM

☎ +44 (0) 7714 096 833

✉ glynn@skerratt.com

w³ www.skerratt.com

Skype: Glynnn

DATE OF BIRTH:	August 1953
NATIONALITY:	British
PROFESSION:	Chartered Chemist, Chartered Environmentalist, Chartered Water and Environmental Manager and Chartered Scientist
CURRENT POSITION:	Principal Lecturer Faculty of Sciences, Staffordshire University
PREVIOUS POSITIONS:	Wastewater Treatment Works Manager [1986-1989] Senior Scientific Officer [1982-1986]

Profile:

Principal lecturer with a higher degree, experience of eLearning, training, consultancy, research and marketing/project/people management coupled with fifteen years scientific and managerial experience in the U.K. water industry.

Consultancy and training experience in eLearning, environmental management systems implementation, sustainable business development, solid/liquid waste treatment practice/technology and recycling technologies. Project management and project evaluation experience.

Experience in the management, preparation and delivery of education and training in sustainable business development, implementation of environmental management systems, environmental awareness and water/wastewater treatment technology. Experience of e-tutoring and lecturing on a range of undergraduate/postgraduate study programmes. Workshop developer/facilitator and consultant for the UK Higher Education Academy [Geography, Earth and Environmental Sciences Subject Centre](#).

Evaluator for the European Commission for ICT-based lifelong learning project proposals and also for proposals for UK British Council Development Partnerships in HE, the British Council Prime Minister's Initiative and British Council England-Africa and UK-India Partnerships. Peer reviewer for a number of professional journals.

Capabilities:

- ❖ Development, validation, delivery and assessment of web and paper-based distance/distributed learning material – see [here](#) for further information.
- ❖ Consultancy and trainer in environmental management systems implementation, sustainable business development, solid/liquid waste treatment practice/technology and recycling technologies.
- ❖ Management, preparation and delivery of training in eLearning, independent learning, enterprise and entrepreneurship, sustainable business development, implementation of environmental management systems, environmental awareness and water/wastewater treatment processes and technologies.
- ❖ Teaching environmental analytical chemistry at undergraduate and postgraduate level.
- ❖ MPhil/PhD research supervision and examination.

Technologies previously encountered include:

- * Water/Wastewater treatment (science, process and technology); sludge treatment
- * Industrial effluent treatment
- * Advanced chemical instrumentation and analysis
- * Combined Heat and Power systems (CHP)
- * Instrumentation Control and Automation (ICA)

Management responsibilities have included:

- * Consultancy and training
- * Teaching, course management, validation and course development
- * Process control
- * Personnel and staff development and training
- * Budgeting and expenditure
- * Planning and project management
- * Technical development

Education:

- 1988:** PhD (in organophosphorus chemistry) at Staffordshire University
1988: Certificate in Management Studies. Stockport College of Technology
1979: Graduateship of the Royal Society of Chemistry. Staffordshire University

Training:

E-tutoring and e-moderating, advanced environmental auditor, budgeting/management accounting, presentation skills, interpersonal skills, project management skills, appraisal and interviewing techniques, computing, water company legislation, general management training.

Professional Recognition, Responsibilities and Associations:

- 2007:** Fellow of the [Higher Education Academy](#) (FHEA)
2004: Chartered Environmentalist (CEnv)
2004: Chartered Scientist (CSci)
2002: Registered Practitioner of the [Higher Education Academy](#) -- formerly the Institute of Teaching and Learning in Higher Education
1989: Membership of the [International Water Association](#) (IWA)
1982: Membership of the [Chartered Institution of Water and Environmental Management](#) (CIWEM) Chartered Water and Environmental Manager [and regular chair and member of professional interview panels for applicants for corporate membership, CEnv and CSci]
1981: Chartered Chemist (CChem) and Member of the [Royal Society of Chemistry](#)

- 2008 - present:** UK Government [Envirowise](#)[®] Helpline Advisor [also previously appointed 2001-2005]
2007 - 2011: External Examiner for [Southampton Solent University](#); Environment and Geography Undergraduate Programme
2005 - 2009: External Examiner for [University of Derby](#); MSc Environmental Management & MSc Applied Acoustics
2007 - present: [CIWEM](#) university award/programme accreditor
2006 - present: Environmental Science Regional Editor for [CAL-laborate](#)
2005 - present: Board member of the [CIWEM](#) Business and Science Professional Board
2007 - 2008: Member of the [CIWEM](#) Environmental Management Technical Panel
2004 - 2007: Committee member of the [CIWEM](#) Environment Group
1998 - 2004: British Accreditation Bureau – Certified Practitioner
1985 - 1996: Professional Affairs Secretary, Royal Society of Chemistry, North Staffordshire Section.

Reviewer for: The Analyst; Journal of Analytical Atomic Spectrometry; Water Research; Water Science and Technology; Trans. I Chem. E.; Journal of Chemical Technology and Biotechnology; Separation Science and Technology; Chemosphere; New Journal of Chemistry; Journal of Environmental Monitoring; Journal of Environmental Management; Physical Chemistry Chemical Physics; Journal of Materials Chemistry; Resources, Conservation and Recycling; Journal of the Science of Food and Agriculture; International Journal for Environment and Sustainable Development, Water and Environment Journal.

Employment History:

October 1989 - Present: Senior, then **Principal Lecturer** at **Staffordshire University**

University Learning and Teaching Fellow (2006-2008)

Chair of eLearning Community of Practitioners - Faculty of Health and Sciences (2002-2007)

Distance Learning Scheme Leader – Faculty of Health and Sciences (2002-2005)

Enterprise/Consultancy Manager for School of Sciences (1990-2002)

Director of the University's Centre for Environmental Technology (1990-2002)

Within the University I am responsible for developing curriculum content and teaching/assessing environmental and analytical chemistry, environmental technology; environmental legislation and regulation; environmental management and environmental audit methods on a range of postgraduate degree programmes. I am a member of the following Faculty of Science and Applied Sciences Programme Area management committees:

- Faculty Learning, Teaching and Quality Enhancement Committee
- Faculty Research and Enterprise Committee
- Faculty Student Retention Committee
- Applied Sciences Programme Area Management Team
- Applied Sciences Learning, Teaching and Assessment Committee

During the period 2000–2007 I was Joint Award Leader for the MSc Water & Environmental Management, the MSc Sustainability & Environmental Management and the PgC Environmental Management and Protection awards.

I have successful supervisory/management experience of 5 PhD and 2 MPhil students and have acted as an external PhD examiner on several occasions at Loughborough University and also at Newcastle University and at Reading University in the UK.

I facilitate staff development workshops in e-learning, independent learning and enterprise & entrepreneurship for the University and the Higher Education Academy Subject Centre. Periodically, I also act as an evaluator and a reviewer on behalf of the European Commission, the British Council and DEFRA.

In addition, I provide training, consultancy and carry out both internally and externally focused applied research on behalf of the University.

Current/Recent Research Projects:

- ❖ Investigation of 3D immersive metaverses as a learning tool/environment
- ❖ Development of material and tools to help embed enterprise and entrepreneurship into HE curricula and institutional personal development planning and employability strategies
- ❖ Consultancy support to an international nanotechnology innovation and technology transfer company
- ❖ Staff development requirements for partner institutions involved in joint delivery of off-campus eLearning programmes
- ❖ Development and delivery of environmental and sustainability focused postgraduate level web-based distance learning study programmes
- ❖ Preparation of technical articles and market information/intelligence for wastewater treatment equipment suppliers
- ❖ Metal removal from co-processing products - for example, sewage sludge incinerator ash and solid waste-streams from the ceramics industry
- ❖ Ultra low - level bismuth determinations in complex matrices
- ❖ Production of new ceramic materials from wastes such as pulverised fuel ash, waterworks sludges and incinerator ash (derived from the burning of both sewage sludge and municipal waste) - incorporation of sewage sludge process products into ceramic materials and associated metal/organics immobilisation. Innovative options for beneficial reuse of various solid co-process/waste streams
- ❖ Development of technology to provide effective colour/metal removal from waste-streams generated during the production and use of pigments and water based inks

Funded Projects/Consultancies

Type of Project Funded	Awarding Body	Year	Duration (months)
Development and delivery of in-company training programme	Indah Water. Malaysia	1997	6
Applied research project investigating the release of soluble salts from products containing sludge ashes	Yorkshire Water UK	1998	24
Applied research project investigating the application of reedbed treatment systems to olive mill wastewaters in Tunisia	British Partnership Scheme and DFID	1996	36
Research, development and delivery of Sustainable Business Development training	DTI & Birmingham Business Link UK	1998-2000	24
Process improvement research report	Daloz Ltd. Tamworth UK	1998	6
Applied research + product development relating to a waterless urinal	Armitage Shanks Ltd. UK Ideal Standard Ltd. UK	1999	18
Contaminated land research	OHS Ltd. + British Aerospace UK	1998	6
Company research in preparation for ISO 14001	Evode Ltd. UK	1998	6
EU CRAFT Research Project – Exploratory and Full Phases (Contributor)	European Union	1998	36
In-company training and preparation of technical articles	Koch Membrane Systems Ltd. UK	1999	48
Applied research project investigating the potential removal/recovery of metals from ceramic wastes	Staffordshire Environmental Fund	2000	12
Research into need and development/delivery of workshops relating to DTI SDI programme	DTI and Optimat Ltd. UK	2000	9
Development of Web-based Regional Database for Environmental Information.	Staffordshire University	2001	6
Environmental Management System for Small and Medium Enterprises in Colombo, Sri Lanka.	European Union -- Asia-Invest Business Priming Fund/EMACE (Sri Lanka)	2002	12
In-company EMS Training	Credit Suisse First Boston UK	2003	2
Development of web-based training material relating to environmental economics	Global Water Partnership -- Central and Eastern Europe [GWPCEE]	2005	3
Development of tools to service staff development needs for partner institutions involved in the delivery of distance learning awards	Staffordshire University	2005	12
Investigation into the preferred treatment/disposal options for olive mill effluent in Turkey (in conjunction with Akdeniz University, Antalya, Turkey)	British Council	2006	24
Production of staff development and student support materials/tools to help in establishing enterprise and entrepreneurship within HE institutional strategies	Staffordshire University	2006	24
Creation and delivery of staff development workshops for UK higher education sector relating to 'entrepreneurship'	Higher Education Academy	2006	4
Provision of consultancy relating to the production of nanomaterials and the application of nanotechnology	ABR Innova Oy. Finland	2006	12
Podcasting as a supplementary teaching aid for off-campus distance learners	Staffordshire University	2006	12
Provision of staff development workshops for South Eastern University in Sri Lanka	Staffordshire Consortium	2007	18
Use of 3D learning environments in web-based distance learning	Staffordshire University	2007	12
Second Life Androgogy and Pedagogy Project – an Evaluation and Review	Higher Education Academy – GEES Subject Centre	2007	12

Other Research Achievements:

U.K.

- ❖ ETIS award in collaboration with UK DoE / Coates Lorilleux plc.
- ❖ ETIS award in collaboration with UK DTI / Severn Trent Water plc.
- ❖ Staffordshire University internal research scholarships.
- ❖ Applied research with Wessex Water plc UK.
- ❖ Development of in-company training, consultancy and applied research contracts for Severn Trent Water plc. UK.
- ❖ Development of in-company training for South West Water plc. UK.

International

- ❖ EU funded training/consultancy project in **Sri Lanka** introducing environmental management systems into SMEs
- ❖ Consultancy and technology transfer project with UIAH in **Finland**
- ❖ Chair for international workshop on olive oil mill waste treatment with participants/contributions from **Portugal, Greece, Turkey, Morocco, Jordan** and **Tunisia**
- ❖ British Council funding to support joint research projects with academic establishments in **Finland** and **Turkey**
- ❖ British Council funding for separate collaborative work on water/wastewater technology and solid waste remediation projects in **Egypt, Tunisia** and **Bangladesh**

Patents:

U.K. Patent GB 2 297 971. ANDERSON A., SKERRATT G. and BIRCHALL C.
Dated 10.06.1997.

U.K. Patent Application GB 2 343 674 A ANDERSON A., JACKSON A.R.W. and SKERRATT G.
Dated 17.05.2000.

Publications:

Catarina Guében and R. Glynn Skerratt. (2007) SMEs and Environmental Communications: Motivations and Barriers to Environmental Reporting. *Int. J. Environment and Sustainable Development*. Vol. 6, No. 1, pp. 1-16.

Houda, M., Anderson, M., Amar, E., Skerratt, Glynn R. and BenZina, M. (2006) Olive oil mill waste water as a replacement for fresh water in the manufacture of fired clay bricks. *Journal of Chemical Technology & Biotechnology*. Volume 81, Issue 8, pp. 1419-1425.

Skerratt, R.G. and Murphy, C (2006) An analysis of UK water company corporate sustainability reporting - comparisons and trends. Conference Proceedings of the 12th Annual International Sustainable Development Research Conference. Hong Kong, China. ISBN-13: 987-962-7589-27-3 and ISBN-10: 962-7589-27-6.

Skerratt, R.G. (2005) Chapters 3, 4 and 5 in Tool Box; Auxiliary texts to training on IWRM in the context of EU Water Policy. Global Water Partnership - Central and Eastern Europe, Bratislava. AEPRESS, s.r.o. ISBN 80-88880-65-3

Murphy, C and Skerratt, R.G. (2005) Green mist or green goals? *Water and Environment Manager*. (CIWEM). Volume 10, No. 8, pp. 14-15

Skerratt, R.G. and Murphy, C (2005) Taking the distance out of distance learning. *Planet*. No 14, June, pp. 25-27

Skerratt, R.G. (January 2004) 2 papers in the conference proceedings plus two presentations at Indo-EU Workshop on Promoting Efficient Water Use in Agro-based Industries. New Delhi, India.

Anderson, M. and Skerratt, R.G. (2003) The Inclusion of Alum-based Waterworks Sludge (WTR) in Commercial Clay Building Bricks. *Tile & Brick Int*. Vol. 19, No. 5, pp. 328-333

Skerratt, R.G. and Anderson M. (2003) A Comparison of Twelve Sources of Waterworks Sludge in England and the Republic of Ireland with respect to their Potential Use in Fired Ceramic Products. Proceedings of the International Symposium, University of Dundee, Scotland. 8-10 September 2003. *Recycling and Reuse of Waste Materials*. pp. 67-78. Ed. Dhir R.K., Newlands M.D, and Halliday J.E. Thomas Telford ISBN 0 7277 3252 8

Anderson M. and Skerratt, R.G. (2003) Variability Study of Incinerated Sewage Sludge Ash in Relation to Future Use in Ceramic Brick Manufacture. *British Ceramic Transactions*. Vol. 102, No. 3, pp. 109-113.

Jayne, M.R. and Skerratt, R.G. (2003) Socially Responsible Investment in the U.K. – Criteria that are used to Evaluate Suitability. *Corporate Social Responsibility and Environmental Management*. 10, pp.1-11.

Jayne, M.R. and Skerratt, R.G. (2003) The Requirements of Ethical Fund Managers and Property Investment. *Property Management*. Volume 21, No 2, pp. 136-152

Dr. Emna Ammar, Dr. Glynn Skerratt, Prof. Khaled Medhioub and Prof. Moncef Nasr. (2002) A Review of the Production and Treatment of Olive Mill Effluent and the Potential Application of Reedbed Treatment Systems in Tunisia.

Skerratt, R.G. and Skelton, R. (2002) Ultrafiltration Membrane Treatment of Meat Processing Effluent. *Food Manufacturer*. January 2002

Skerratt, R.G. (October 2001) The Development and Delivery of Web-based Sustainability & Environmental Distance Learning Courses. Conference Proceedings - Business and Environment Conference 2001 Wales. Cardiff.

Skerratt, R.G. (November 2001) Chair, workshop organizer and presenter at *Industrial Environmental Management* – an international conference held in Dubai. UAE.

Skerratt, R.G. and Skelton R. (2001) Technical Research Article:
The Application of Membrane Treatment Systems in the Automotive Components Industry

Skerratt, R.G. (2001) The commercial manufacture of a tile containing 95% recycled glass cullet. Recycling and Reuse of Glass Cullet. Proceedings of the International Symposium, University of Dundee, Scotland. 19-20 March 2001. Thomas Telford ISBN 0 7277 2994 2

Skerratt, R.G. Skelton R. and Flemming R.(2001) Technical Research Article Distillery Wastewater Treatment Using an Ultrafiltration Membrane System. *BDI Magazine*. February 2001.

Skerratt, R.G. (2000) Brickworks could make use of sludge. *Water and Waste Treatment*. September 2000 pp.17

Skerratt, R.G. and Skelton R.(2000) Technical Research Article - Membrane Treatment of Wastewater from Wool and Yarn Scouring. *IEM Magazine*. Feb 2000, pp. 16-17

Skerratt, R.G. and Anderson M.(1999) The use of sewage sludge incinerator ash in brickmaking. *Wastes Management*. August 1999, pg. 36

Skerratt, R.G. and Skelton R.(1999) Technical Research Article - Water Treatment using Membrane Systems. *Water 21*. (International Water Association : IWA) Nov-Dec 1999 pp. 27-28

Skerratt, R.G. and Skelton R.(1999) Technical Research Article - Membrane Treatment Systems. *Water and Environment Manager*. (CIWEM). Volume 4, No. 6, pp. 4-6

Skerratt, R.G., Harrison, G. and Hall, S. (1997) Metal recovery from sewage sludge incinerator ash. Proceedings of the 2nd European Biosolids and Organic Residuals Conference, Wakefield, 17-19 November 1997

Anderson, M, Skerratt, R.G., Thomas, J.P. and Clay, S.D. (1996) Case study involving using fluidised bed incinerator sludge ash as a partial clay substitute in brick manufacture. *Wat. Sci. Tech*. Vol. 34, No. 3-4, pp. 507-515

Skerratt, R.G. (1996) Development of Interactive Training – A Case Study. *Wat. Sci. Tech*. Volume 34, No 12, pp. 173-181 (+ Presentation at the Biannual Conference of IAWQ in Budapest 1994)

Moreman, A.D., Plimmer, C.C. & Skerratt, R.G. (1995). Ultrafiltration for Pretreatment of Effluents Containing Water-based Inks. International Association on Water Quality; Second International Symposium on Wastewater Reclamation and Reuse; Iraklio, Crete, 17-20 October 1995. Symposium preprints 1, 373-380.