

Exponent®
Engineering & Scientific Consulting

Alison McGuire, CSci CChem FRSC

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Professional Profile

Alison McGuire, CSci CChem FRSC, is a principal scientist and leader of Exponent's EU Biocides Team, with 35+ years of experience in GB, EU, and global biocides regulation. She specialises in biocidal product authorisations, active substance approvals and renewals, risk assessment, regulatory strategy, and global market access, helping clients navigate worldwide regulatory frameworks.

Ms. McGuire has successfully supported numerous active substance and biocidal product dossiers, including biocidal product families, and she is recognised for developing pragmatic regulatory strategies, scientifically robust risk assessments, and effective solutions to complex regulatory challenges. She works closely with industry and regulatory authorities across Europe and internationally to help bring biocidal products to market and maintain regulatory compliance throughout the product lifecycle.

Areas of Expertise

- Biocide regulatory consulting
- U.K./EU BPR consulting
- Biocidal product authorisation
- Active substance approval and renewal
- Biocidal product families
- Biocide risk assessment
- Biocide regulatory strategy
- Global biocide registration
- Biocide market access
- Analysis of alternatives
- Treated articles compliance
- Technical equivalence
- Comparative assessment
- ECHA and regulatory authority liaison

Active Substance Approvals

Ms. McGuire has supported multiple active substance approval and renewal programmes across all major biocidal product types, including disinfectants, preservatives, pest control products, and antifouling paint.

Her experience spans a diverse range of chemistries, including botanicals, microorganisms, in situ generated actives, and organic and inorganic substances.

Biocidal Product Authorisations

Ms. McGuire has successfully prepared and managed numerous biocidal product and biocidal product family (BPF) authorisation projects, supporting clients through complex regulatory processes across Great Britain and Europe.

Regulatory Strategy and Support

Ms. McGuire provides strategic regulatory advice to help clients navigate complex regulatory challenges, develop practical compliance solutions, and achieve market access and product stewardship outcomes.

Prior Experience

Before specialising in regulatory affairs, Ms. McGuire managed the residue chemistry laboratories at a leading international CRO, supporting the development and registration of agrochemicals and veterinary pharmaceuticals. She has a strong foundation in analytical chemistry and study management.

Academic Credentials & Professional Honors

B.Sc., Agricultural, Food & Environmental Chemistry, University of Glasgow, Scotland, UK, 1991

Fellow of the Royal Society of Chemistry (FRSC), December 2025

Member of the Royal Society of Chemistry (MRSC), 2013

Chartered Scientist, May 2004

Chartered Chemist, October 1999

Prior Experience

Senior Managing Scientist, Exponent International Ltd, 2014-March 2020

Deputy Manager (CSI-Europe) & Principal Consultant, Compliance Services International, 2008-2014

Principal Consultant, Compliance Services International, 2006-2008

Senior Consultant, Compliance Services International, 2005-2006

Manager, Residue Chemistry, Inveresk Research/ Charles River Laboratories, 1999-2005

Manager, Agrochemical Residues, Inveresk Research, 1998-1999

Study Director, Residue Chemistry, Inveresk Research, 1996-2005

Project Leader, Residue Chemistry, Inveresk Research, 1993-1996

Senior Study Analyst, Restec Laboratories Ltd, 1992-1993

Study Analyst, Restec Laboratories Ltd, 1991-1992

Publications

McGuire A, Boesenberg D. Keeping it Clean: Responding to Increased Demand for Hand Sanitizers, Product Compliance During and After the Pandemic, Exponent, June 25, 2020

McGuire A, Dillon D. Considerations for the Successful Submission of Biocidal Product Dossiers in the EU, Exponent, May 20, 2019

McGuire A, Thompson CM. EU Biocidal Products Regulation: An Overview of the EU Biocide Authorization Process and Key Considerations of New Legislation. Poster Presented at the Consumer Specialty Products Association (CSPA) conference, Chicago, IL, 2012.

Strek HJ, Huber A, Sharma AK, Stry JJ, Bramble FQ, Old J, Fraser G, Doran A. Field Soil Dissipation of Sulfonylureas—Study Design and Results. Environmental Fate and Ecological Effects of Pesticides, Eds. Re AAM del, Capri E, Fragoulis E, Trevisan M, pp. 819-826, 2007.

Presentations

McGuire A., Tian L. Hand Gel and Sanitizing Product Regulatory Requirements in the EU and UK, April 7, 2020

McGuire A., Fraser G. COVID-19 Global Overview: Getting the Right Biocides to Market, Workshop Presentation, Chemical Watch, September 16, 2020

Biocides 2010, 13th Multinational Conference on Legal Issues and Trade Aspects of Biocidal Products, Hotel Modul, Vienna, Austria, 2-3 December 2010.

Workshop Participation

Invited to participate in the EU workshop organised by the European Chemicals Bureau to design and validate the biocide version of the European Union System for the Evaluation of Substances (EUSES 2.1).

Project Experience

EU and U.K. Biocidal Products Regulation (BPR) Regulatory Support

Specialises in providing strategic regulatory support for biocidal active substances and biocidal products under the EU Biocidal Products Regulation (EU) 528/2012 and the Great Britain Biocidal Products Regulation.

Experienced in supporting clients throughout the full regulatory lifecycle, including:

- Active substance approval and renewal programmes
- Biocidal product and biocidal product family (BPF) authorisations
- Union Authorisations, National Authorisations, and Mutual Recognition applications
- Simplified Authorisation procedures
- Product renewals, amendments, and administrative changes
- Regulatory compliance and market access strategies
- Liaison with ECHA, HSE, EU Member State Competent Authorities, and international regulators

Successfully developed and implemented regulatory strategies for a wide range of product types, including:

- Disinfectants and sanitising products
- Preservatives
- Pest control products
- Antifouling products
- In situ generated active substances
- Biological and microbial products
- Botanical, organic, and inorganic active substances

Active Substance Approval and Renewal

Managed and supported multiple active substance approval and renewal programmes across Europe and Great Britain.

This work includes:

- Regulatory strategy development
- Data gap analyses and completeness assessments
- Development of data waiver and bridging arguments
- Study placement and monitoring
- IUCLID dossier preparation and maintenance
- Human health and environmental risk assessments
- Dietary and residue risk assessments
- Technical defence of scientific positions before regulators
- Management of authority interactions throughout dossier evaluation

Provided successful scientific and regulatory arguments that reduced testing requirements while maintaining scientifically robust submissions.

Biocidal Product Authorisation

Led preparation and management of complex product authorisation submissions for both individual products and biocidal product families.

Experience includes:

- Product family structuring strategies
- National Authorisation applications
- Union Authorisation applications
- Mutual Recognition in Sequence and Parallel
- Product renewal submissions
- Major, minor, and administrative authorisation changes
- Post-submission support through to approval

Worked closely with authorities and clients to address evaluation questions and facilitate successful authorisation outcomes.

Regulatory Strategy and Authority Liaison

Provides strategic guidance to manufacturers, formulators, and industry groups on navigating complex regulatory requirements.

This work includes:

- Evaluation of regulatory pathways
- Regulatory feasibility assessments
- Market access strategies
- Data protection and data-sharing arrangements
- Technical equivalence assessments
- Treated article compliance
- Product stewardship strategies
- Representation during authority meetings
- Support during regulatory challenges and reviews

Works extensively with:

- European Chemicals Agency (ECHA)
- U.K. Health and Safety Executive (HSE)
- EU Member State Competent Authorities
- European industry associations
- International regulatory authorities

Human Health and Environmental Risk Assessment

Directed and reviewed complex risk assessments to support active substance approvals and product authorisations.

Experience includes:

- Environmental exposure assessments
- Human health exposure assessments
- Comparative assessments
- Analysis of alternatives
- Disinfection by-product assessments

Developed, in collaboration with specialists, scientifically robust approaches to address challenging regulatory issues and support positive regulatory decisions.

Global Biocide Registration and Market Access

Supported biocide registrations, notifications, and compliance activities in countries across Europe, North America, Latin America, Asia-Pacific, Africa, and the Middle East.

Services include:

- Regulatory intelligence gathering
- Regulatory strategy development

- Product registration and notification support
- Data requirement evaluations
- Dossier preparation and submission, as appropriate
- Local authority interactions
- Global compliance reviews
- Label and claims review

Provided strategic guidance for companies seeking efficient global regulatory pathways and coordinated market entry programmes.

Industry Consortia and Task Force Support

Supported industry consortia and task forces addressing complex regulatory challenges under the BPR.

Activities include:

- Strategic planning and coordination
- Data-sharing and cost-sharing arrangements
- Dossier development and maintenance
- Regulatory advocacy
- Scientific position development
- Stakeholder engagement

Regulatory Due Diligence and Compliance Reviews

Provided regulatory due diligence and compliance support for product portfolios and business acquisitions.

Experience includes:

- Portfolio regulatory assessments
- Product compliance reviews
- Gap analyses
- Label and claims reviews
- Regulatory risk evaluations
- Market access assessments
- Strategic recommendations for acquisition and divestiture projects