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Engineering & Scientific Consulting

Tim Taylor

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Professional Profile

Mr. Taylor holds a MChem in Chemistry from the University of York where his studies culminated in research into the spin trapping of gaseous free radicals. He has since developed his professional expertise as a chemist working on atmosphere control and monitoring.

This included conducting laboratory investigations into emergent issues for submarine enclosed environments, researching new solutions for on-going requirements and computer modelling of submarine atmospheres to validate equipment and predict trends. He also has experience in conducting toxicity trials for atmospheric contaminants and metals in the exhaust plumes of weaponry to determine levels of exposure.

Mr. Taylor is now working in the chemical regulation and food safety practice, as a residue and consumer risk specialist. Mr Taylor prepares pesticide product and active dossiers for national, EU and global (JMPR) submissions.

Academic Credentials & Professional Honors

M.Chem., Chemistry, University of York, UK, 2014

Prior Experience

Research Chemist, QinetiQ, 2014-2020

Professional Affiliations

Chartered Chemist, The Royal Society of Chemistry (CChem) 2020

Member, The Royal Society of Chemistry (MRSC)

Publications

Presentations

Taylor, T.O., Cummings, C.Y., An evaluation of Monoethanolamine (MEA) degredation and mitigation under the conditions used in submarine carbon dioxide removal plants, Paper presentation, Submarine Atmosphere Monitoring and Air purification (SAMAP) Symposium, Newcastle, UK, 2019

Taylor, T.O., Toft. G.D., An evaluation of polydimethylsiloxane hollow fibre gas separation membranes for

carbon dioxide removal, Paper presentation, International conference on environmental systems (ICES), Albuquerque, New Mexico, USA, 2018

Taylor, T.O., An evaluation of the effect of fluorinated refrigerant, siloxane and associated atmosphere contaminants compounds on the performance of high and low temperature carbon monoxide/ hydrogen oxidation catalysts, Paper presentation, International Conference on Environmental Systems (ICES), Charleston, South Carolina, USA, 2017