

Ryan Davies

Qualifications

MSci Chemistry (Hons)
King's College London, UK

Affiliations

Associate Member of the Royal Society of Chemistry
(AMRSC)

Year of Birth

1999

Nationality

British

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Current Position at CWA

Ryan Davies joined CWA International in 2022 after completing his master's degree in Chemistry at King's College London. His master's thesis was on the total synthesis of natural product antibiotics, with a focus on optimising the synthetic route for pyrrolomycin J.

Ryan has a broad knowledge of chemistry including synthetic organic chemistry, separation science & spectroscopic techniques, catalysis and molecular interactions. He gained valuable laboratory experience during his degree which included practical use of a variety of spectroscopic techniques including nuclear magnetic resonance (NMR), infrared (IR) and UV-vis spectroscopy. Owing to Ryan's organic chemistry background, he also has experience in handling moisture & air sensitive reactions using standard separation and purification methods.

Specific Expertise and Experience

Ryan has experience in contamination/degradation issues involving a number of cargoes, including Marine fuel oils; Gasoline; Gasoil; Vegetable oils including Sunflower seed, Coconut and Palm oil products; Mono-ethylene Glycol (MEG); Methanol; Styrene and Caustic soda.

Attendances

Ryan has undertaken laboratory attendances in the UK and Europe, witnessing analysis on a range of cargoes, including:

- Palm oil products
- Mono-ethylene Glycol
- Gasoil
- Bunker fuels

