

David Cole-Hamilton

Curriculum Vitae

Following degrees (BSc and PhD) at Edinburgh University, David Cole-Hamilton worked with Nobel Laureate, Sir Geoffrey Wilkinson at Imperial College, where he developed a strong interest in organometallic chemistry and especially homogeneous catalysis. His independent career started at Liverpool University (Lecturer and Senior Lecturer) before moving to be Professor of Chemistry at the University of St. Andrews in 1985. He became Emeritus in 2014.

The majority of his work has been on the applications of organometallic chemistry to solving problems in homogeneous catalysis and materials chemistry including nanomaterials. His most recent work has been concerned with making commodity and fine chemicals including plastics and pharmaceuticals from bio-derived waste oils that are by-products of other processes such as food production or paper manufacturing. In this way desirable effect chemicals can be made from biomass without using land that would otherwise be used for food production. He has published more than 400 articles and patents with an h index of 49.

He has won a number of prizes from the Royal Society of Chemistry as well as 5 prizes for teaching. In 2017 he was awarded the Alwin Mittasch Prize of the German Catalysis Society and was made a Foreign Member of the Russian Academy of Natural Sciences.

David is a past President of the European Chemical Society (EuChemS) having been President from 2013-7. This gave him extensive contact with chemical societies and policy makers throughout Europe. On behalf of EuChemS he led a team celebrating the *International Year of the Periodic Table*, which developed a new version of the Periodic Table highlighting element availability and vulnerability as well as which elements can come from conflict minerals and which appear in smart phones.

