

## Caline Sahyoun

### Qualifications

PhD University of Birmingham  
(Chemical Engineering)  
BEng (Hons) University of Nottingham  
(Mining Engineering)

### Affiliations

Member of the Institute of Materials, Minerals and  
Mining; Chartered Engineer

### Languages

French, Spanish & Arabic

### Nationality

British

### Contact

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## Current Position at CWA

Head of Minerals & Metals Department

## Specific Expertise and Experience at CWA

The following summary lists some of the projects that Caline has assisted with / led:

- Investigation to determine the source of sub-sea rock responsible for causing damage to an oil tanker vessel.
- Inspection of samples from a cargo of sulphur and witnessing testing to determine the size distribution, in Ukraine.
- Attendances in laboratories in Singapore and UK to witness FMP testing on cargoes of nickel laterite and iron ore.
- Assessment of the quality of a mine site laboratory carrying out FMP testing, in Indonesia.
- Opinion on laboratory FMP testing procedure of nickel laterite.
- Advice on potential towage of a nickel laterite cargo.
- Assisting the Master to ensure safe loading of a nickel laterite cargo, in Indonesia.
- Witnessed sampling and testing of iron ore cargo, in India.
- Advice on bauxite cargoes.
- Advice on high methane coal cargo
- Assist with a dispute concerning nickel laterite shipments.
- Advice on high CO coal cargo

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CWA International Ltd



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## Summary of Previous Employment

### **2017 – 2019            Independent Minerals & Metals Technical Consultant (Zurich)**

Provided consulting services to the minerals & metals industry related to bulk transportation, weighing, sampling and sample preparation.

### **2015-2017            Nyrstar Sales & Marketing AG (Zurich) Weighing, Sampling & Assaying (WSA) Specialist**

Managed global WSMD and assaying operations for 2M tonnes of concentrate sales and purchases for Nyrstar's mining and smelting businesses.

### **2006 – 2015            Saint Barbara LLP (London) Metallurgical Consultant**

Assisted in due diligence studies and project valuations. Involved in project concept studies, process flowsheet design, capital and operating cost estimates for processing equipment and development of sampling protocols.

## Publications and Presentations

“Dynamics of Metals Industry on Sulphur Demand”, Sulphur World Symposium, Amsterdam March 2007

“The Effect of Heat Treatment on Chalcopyrite”, Physical Separation in Science and Engineering, Vol. 12, No. 1, pp. 23-30

“High Powered Microwave Treatment of Carbonate Copper Ore”, European Journal of Mineral Processing and Environmental Protection, Vol. 4, No. 3, pp. 175-182

“The Influence of Microwave Pre-treatment on Copper Flotation Plant Performance”, Journal of the South African Institute of Mining and Metallurgy, Vol. 105, No 1, pp. 1-7

“The Effect of Microwave Treatment on Carbonate Copper Ore”, First Formulation Engineering Conference, University of Birmingham, UK (April 2004)