

CURRICULUM VITAE

Stefania Koursari

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Metallurgical Engineer

Professional Experience

ELVAL S.A., VIOHALCO GROUP, OINOFYTA, ATTIKA

May 2019 – present

Position Held: Metallurgical engineer – Technology, Quality & Innovation department

- Optimize production processes
- Examine microstructure of products (aluminium/copper alloys).
- Investigate metallurgical and surface defects and analyze the root cause

TERNA MAG S.A., GEK TERNA GROUP, EUBOEA, GREECE

Aug. 2018 – May 2019

Position held: Production Manager – Magnesite Calcination Processing & Sintering department

- Controlled and supervise the caustic calcined and dead burned magnesite production. Production department consist of two crushing units, a Nichols-Herreshoff Multiple Hearth Furnace, a rotary kiln and a packaging line
- Determined the process parameters (furnaces' temperature profile, shaft speed, chemical composition etc) to achieve customers' requirements
- Managed the raw magnesite furnaces' feed. Decided on the proper mix to succeed magnesite's desirable chemical composition
- Handled 70000 tons of final products annually, either in big bags or bulk
- Programmed the production schedule according to the sales department demand
- Performed cost analysis for the different qualities of products
- Developed software program for optimization of raw material mixing
- Organized the maintenance of the machines
- Guided and motivated employees. Managed a team of 50 people (8 shift foremen, operators, forklift drivers, mechanical fitters). Arranged seminars for health and safety issues
- Monitored the emissions according to the environmental regulations
- Developed KPIs for productivity and yield – report them once per month
- Cooperated with the R&D department to optimize process and final products' quality

SOFIA MED S.A., VIOHALCO GROUP, SOFIA, BULGARIA

Feb. 2018 – Aug. 2018

Position Held: Junior metallurgical engineer – Process & Product Development department

- Examined samples' microstructure

ELVAL S.A., VIOHALCO GROUP, OINOFYTA, ATTIKA

Jul. 2017 – Febr. 2018

Position Held: Trainee Metallurgical engineer – Technology, Quality & Innovation department

- Prepared samples to be investigated: cross section, grinding, polishing, chemical etching
- Examined the micro/macro-structure of aluminum alloys. Trained in detecting materials defects (blisters, inclusions, laminations, oxides, cracks)

Hellas Gold S.A. (Subsidiary of Canadian Eldorado Gold S.A.)

Jul. 2012 – Aug. 2012

Position Held: Trainee Metallurgical Engineer

- Monitored the following activities. Rapture (ore), flotation, thickening - filtration of condensate products in the mineral processing plant, Stratonis, Chalkidiki
- Collected water and dust samples, made statistical analysis and evaluated the results

Education

Chemistry, Technology & Environmental Management, MSc

Graduation year: 2020

University of Athens, Department of Chemistry

Diploma thesis: "Synthesis, characterization and applications of metal nanoparticles"

Diploma in Mining & Metallurgical Engineering (5-year, MEng)

Graduation year: 2015

National and Technical University of Athens, School of Mining and Metallurgical Engineering

Diploma thesis: "Use of gallic acid in the reduction of hexavalent chromium"

Certifications

- Seminar in AutoCAD 2016 2D Basic – Autodesk certificate (2016)
- Member of the Technical Chamber of Greece, TEE (2016)

Language and Other Skills

Languages

Greek-native language

English-IELTS (2017), Certificate of Proficiency in English (University of Michigan, 2012)

IT Skills

Origin 8 pro, AutoCAD 2D 2016, Microsoft Office (Word, Excel, PowerPoint)

Driving License

Category B

Publications

Mystrioti, C., S. Koursari, A. Xenidis and N. Papassiopi, *Hexavalent chromium reduction by gallic acid*. Chemosphere, 2021.

REFERENCES: Available upon request