

# Recovery of Zinc and Iron from EAF Dusts Including Hot Stage Slag Engineering and Energy Recovery



When galvanized steel scrap is recycled, zinc containing EAF dusts are produced presenting potential health and safety issues. To date, limited work has been done on recovery of iron from slag, as well as energy recovery. The aim of this research project was to develop a treatment method for EAF dusts while:

- a. making use of wastes with a high calorific value;
- b. generating a ZnO material suitable for Zn recovery;
- c. producing liquid iron;
- d. producing a slag to be used in a high value application.

The goal: provide a safer, more sustainable environment.

## Overview

The goal of this study was to find a better treatment method of EAF dusts so that galvanized steel scrap could be recycled in a way that eliminates health and safety concerns.

## Researchers

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