

## **Exprition in Metal Formation using Solid Industrial Wastes\***

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### Abstract

Iron and steel material is considered modern and old, entered the technical field of the wider doors so as to durability.

The problematic use of industrial metal scraps in the creative process for the completion of the work lies in the contemporary sculptural contemporary artist's desire to address this matter and in order to enrich and satisfy the desires of the creative artist as all contemporary sculptors and creators world are looking for the sustainability of their art work. since the nature of the raw material used such as iron, steel and metal alloys that are not oxidized ore is solid, durable and resistant to erosion of natural materials, making it ideal for huge sculptures adorn squares and public places permanently.

It was here on the most important stages of lighting and developments in the art of forming minerals and direct it by eating some of The most relevant functional testing in Europe, Asia and America as well as to trace the beginnings of this art in the Arab world and the definition of the most important patrons and review of the most important experiences.

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Keywords : Fer et Acier – direct Metallic

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\* For the paper in Arabic see pages (221-240)

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