

الطباعة ثلاثية الابعاد واثرها على المصمم الداخلي وعملية التصميم الداخلي
**Three-dimensional printing and its effect on the interior designer and
interior design process**

ا.م.د/ أحمد محمد صفى الدين محمد زكريا

أستاذ مساعد بقسم التصميم الداخلي والأثاث - كلية الفنون التطبيقية - جامعة بني سويف

Abstract:

There is no doubt that 3D printing technology has entered in many industries and contributed to the development of several products, led by the internal design elements, that enables the designer to unleash technical ideas, develop models and non-stereotypical, radically differs in form and content for interior design elements are designed to adopt the generally accepted model of a typical manufacturing and technology that remained until the present limited to the production of the initial proto type factories researched and developed before the revelation to the production lines of the stereotypes.

This paper seeks to identify the root causes of the differences between the elements of the design, the manufacturer of the ways stereotypes and that item which Manufactured with 3D printing technology, the objective is to identify what can be provided by the technical assistance of the features endless designer to allow him to get out of the framework imposed by the industrialization and stereotypes, to wider horizons that knows no bounds in the design.

The research problem:

The creation of an effective system invokes the substantive grounds for the design elements of interior design and non-stereotypical manufactured using 3D printing technology.

Research Objectives:

- 1- .Access to the fundamental differences between the elements of the internal design of the typical technology manufacturer, and the manufacturer of 3D printing technology.
- 2- .Identify the possibilities offered by the 3D printing technology for the designer to get out of the design pattern by manufacturing methods module.
- 3- .The granting of indicative map designed to run clear design process elements of the Interior Design Manufacturer ably 3D printing technology.

The hypothesis of the search:

1. Give the designer 3D printing technology infinite horizons of creativity in the design process.
- 2 the possibility of using 3D printing technology to produce internal design elements in quantitative as well as for use in the preparation of the initial samples for industrialization.