# Specification of Local Raw Materials for Employment in the Furniture Industry

#### Prof. Dr. Ahmed Arida

Professor of Interior Design Technology, Department of Interior Design and Furniture, Faculty of Applied Arts, Helwan University

## Prof. Mohamed Hassan Imam

Professor of Furniture Design, Department of Interior Design and Furniture, Faculty of Applied Arts, Helwan University.

## Dr. Hamdy Gohar

Lecturer, Department of Interior Design and Furniture, Faculty of Applied Arts, Helwan University.

#### Nermin Mohamed Hussein

Master Student, Department of Interior Design and Furniture, Faculty of Applied Arts, Helwan University.

Abstract:	Paper History
The furniture industry is considered one of the important industries in Egypt, which includes many complementary industries, and enter into the furniture industry many different raw materials, which vary in the methods of formation and assembly methods influenced by their physical, chemical and mechanical, so was the analysis of the general characteristics For different materials is the goal to solve the problem of lack of knowledge of how to deal with raw materials, by creating a database that helps the designer to choose the appropriate material for the operating environment and the effort on it, and determine the extent homogeneity between different materials and the appropriate combination between them through the convergence of the values of common characteristics, as in the use of platinum metal in the welding of glass, in order to achieve innovation and diversity in design and implementation, and achieve the highest quality of the product. <b>Study Significance</b> : study significance the study significance lay attempt to handle a factual problem in the field of scientific that appear in not knowing knowledge of the physical and mechanical properties of local furniture-making materials, resulting in unenforceable designs, or designs lacking operational quality. <b>Objectives</b> :Determine the physical and mechanical properties industry, and the mechanism of their impact on design, functional and aesthetic. <b>Methodology</b> :The research follows the applied analytical descriptive, where accurate analysis of the product. It was possible to identify a group of properties, through which the selection of the appropriate material for the performance of the function of the vertical and horizontal loads, and to suit the surrounding environmental conditions (dry, humid, acidic, alkaline), which achieves the quality of the product. it was possible to know the homogeneity between the different ores and the appropriateness of combining them through the convergence of the values of the common properties. we were identif	Paper received 10 <sup>th</sup> August 2019, Accepted 5 <sup>th</sup> September 2019, Published 1 <sup>st</sup> of October 2019

# Keywords:

Local materials, Natural properties, Mechanical properties, Chemical properties

Doi: