

## **DESIGN CONSIDERATIONS FOR COLOR SUSTAINABILITY IN THE INTERIOR SPACES OF HOSPITALS**

**LAILA AMERALKHAHTANY<sup>1</sup> & LAMISELGIZAWI<sup>2</sup>**

<sup>1</sup>Head, Department of Interior Design, Princess Nora University, Riyadh, Saudi Arabia

<sup>2</sup>Professor, Department of Architecture, Mansoura University, Egypt

### **ABSTRACT**

The art of coloring has many different aesthetic moods, criteria, and applications, in addition to different contrasting functions. Colors have purely scientific origins and rules that are directly linked to light. At the same time, color selection is a key element in interior design processes. Such strong properties give colors special importance to current local and global interest in interior design and to its relations to various dimensions of living. The quality of a visual environment can have a positive effect on an occupant's feelings of well-being inside interior spaces of hospitals and healthcare buildings; it can positively or negatively affect staff performance and patient recovery. On the other hand, the costs of maintaining efficiency in functionality among hospital staff and in patient treatment are considerable. Therefore, the maximization of performance through improved environments must be generally cost effective. In this context, this research intends to discuss lighting and color design in terms of sustainability at the early stages of interior design. A truly integrated set of lighting and color design standards is constructed to be based on a sustainable approach and tested. A general model is also formulated and a design toolkit is presented.

**KEYWORDS:** Color Physiology, Color Sustainability, Hospital Interior Design