

## Attenuation of noise by using absorption materials and barriers: a review

### Abstract

**Problem Statement:** The high level noise is harmful for all people especially in heavy factories. In accordance with ear human biodynamic response, health damages of body are resulting of hearing loss, with increasing blood pressure ,weakness and tired. **Approach:** This paper holds three works. First, it reviews an introduction on synthetic materials for absorption. Second, it summarizes on organic materials considerations for acoustic absorber in currently. Finally, it offers a review on research of using barrier and screens. **Results and Conclusion:** It is obvious that the need of absorption materials for attenuation noise via development and regeneration along with the need for innovative natural materials of their essential properties so as to meet the high level noise is today greater than ever. The motivation behind of this project is based on the fact that during the last few decades synthetic material has been used for sound absorption, but the study area has been dramatically changed. However at the same time there is a realization that certain parts of the synthetic material has been left because it causes many problems in health. Therefore, currently organic materials present good alternative to synthetic material providing good health with green environment as well as enhancing natural agricultural and growth.