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Titre :

Complex study on hand-arm system exposed to vibrations

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Résumé :

The research performed in the domain of human body vibrations revealed their important influence on human health, being the origin of several professional diseases. Consequently, the vibrations influence can be clearly systematized in two distinct categories: whole body vibrations - with significant affects in the entire human body; vibrations on different sections of the body - that transmit significant accelerations and displacements only in some sections, such as the hand-arm system. While the first category - registered mainly in the professional driving sector - has been constantly studied and different solutions for vibration attenuation have been proposed, the hand-arm vibration domain is still open for discussions. This paper presents a complex study - both from the medical and engineering point of view - regarding the modeling and testing methods used for hand-arm system vibrations in the view of professional diseases prevention. It aims to evaluate preventive strategies to reduce worker exposures to hand-arm transmitted vibration and to

decrease the occurrence of Hand-Arm Vibration Syndrome (HAVS) in workers. **Mots Clés :**

Isolated zygotic embryo Germination Proliferation Micropropagation Culture medium Pistacia vera L

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