

## عنوان مقاله:

Physical and Mechanical Properties of Walnut

## محل انتشار:

نخستین کنفرانس بین المللی علوم کشاورزی، دامی منابع طبیعی محیط زیست گردشگری روستایی و گیاهان دارویی کشورهای اسلامی  
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## خلاصه مقاله:

Regarding the high amount of walnut production in Iran, it is needed to develop processing and packaging systems for this valuable crop to facilitate entering the global markets. In this study, physical and mechanical properties of walnut was determined. The experiments were carried out at compression speeds (0.5, 1.5, and 2.5 mm/s) and compression axes (X, Y). The effect of interaction compression speed by compression axes on rupture force and Rupture energy were significant ( $P < 0.05$ ). The highest rupture force, rupture energy and rupture power in all compression speeds were obtained loaded along the length (x-axis). The lower rupture force and required energy measured when loading along the width (Y-axis) and in compression speed of 1.5 mm/s were found 134.66 N and 166.66 mj

## کلمات کلیدی:

walnut, Mechanical properties, Compression speed and axis

## لینک ثابت مقاله در پایگاه سیویلیکا:

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