

## عنوان مقاله:

Dyeing of wool fabric with Rubiaceae Plants Using Ultrasonic Power

## محل انتشار:

دوازدهمین کنگره ملی مهندسی شیمی ایران (سال: 1387)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Ultrasound energy has great potential in industrial processes as it offers reduction in cost , time , energy and effluents . Recently , a revival interest in the use of natural dyes in textile coloration has been growing . This is a result of the stringent environmental standards imposed by many countries in a response to the toxic and allergic reactions associated with synthetic dyes . Natural dyes can exhibit better biodegradability and generally have a higher compatibility with the environment. In this work the dyeing of wool fabric using Rubiaceae Plants as natural dye has been studied in both conventional and sonicator method . the time /dye uptake reveals the enhanced dye uptake .showing sonicator efficiency . The results of fastness properties of the dyed fabrics were fair to good

## کلمات کلیدی:

Ultrasound , Dyeing , Madder

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/58383>

