## Improvement of Seed Germination rate of *Carthamus tinctorium*L. After Plasma Treatment

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In this study capacitive coupled RF plasma sources has been used for surface modification of Carthamus Tinctorium L, medicinal plant seeds to increase the seed germination rate. This plant seeds is useful because it produce useful natural product for human health and disease care but generally have seed germination problem. In this study the effect of different plasma exposure time to the seed and varying different operation pressure reported for surface modification of these medicinal plant seeds has been investigated. Result showsfirst a decrease in germination rate with the plasma exposure time and followed by a rapid increase in germination rate.