

## Efficiency of inkjet printing in fabrication Organic Solar cells

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### **Abstract:**

Solar cells are critical source of energy and very needed nowadays, the use of solar photovoltaic to generate electricity in terms of solar parks and solar panels on rooftops is growing, those devices that converts sunlight into heat to generate power has achieved greater efficiency than pervious such devices, inkjet solar cells uses now to alternate the pervious types of energy with a clean and cheap one' and flexibility of use, for that nations become very immersive and involved in new technologies can produce it in a quality models, by using a new features of digital printing . The research methodology is the descriptive approach, which is based on describing the innovative techniques used in fabrication of organic solar cells and factors affecting the production process, to increase its productivity, also to study the effect of using it on several organic material with the ability to produce it in new freedom designs that could allow creating solar cells on blinds, in windows, curtains, shade umbrellas, tents and almost everywhere in or outside home.

### **Keywords**

*Inkjet Printing,  
Organic Solar Cells,  
EHD Inkjet Printing,  
organic photovoltaic,  
printed electronics,  
module design,  
freedom of design*

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