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# An alternate method to extract performance characteristics in dye sensitized solar cells

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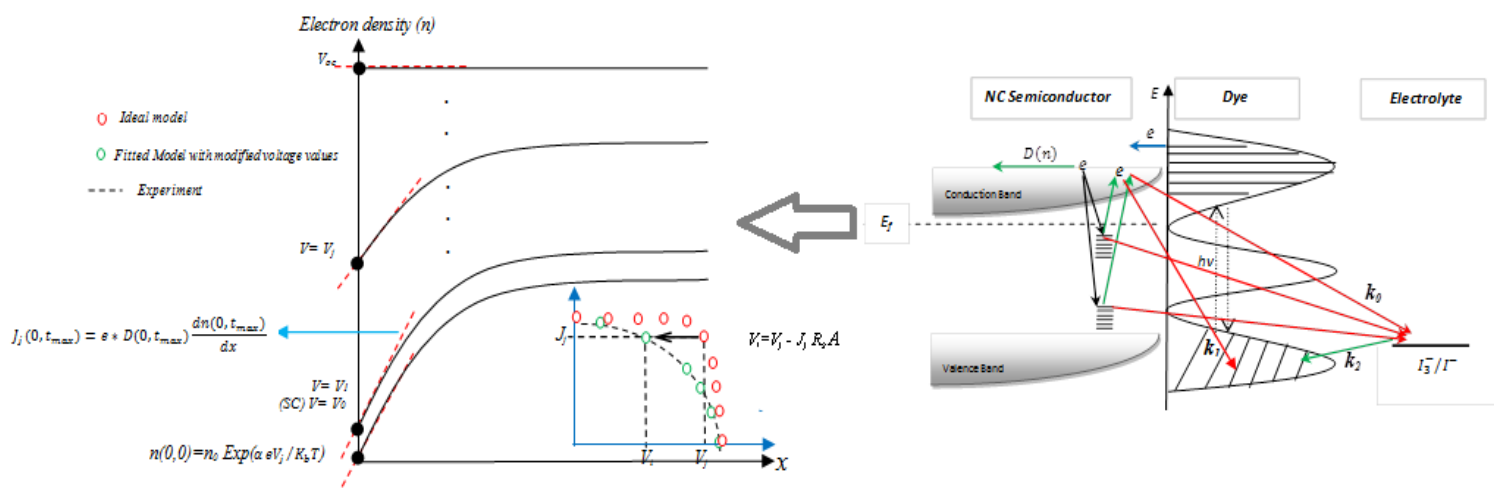
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## Graphical abstract

Description of the model components (Right) and computer- based reproduction of J-V curve (Left) to investigate the performance parameters.



**Abstract.** Modeling the electrical properties of dye-sensitized solar cells (DSSCs) can fill the gap between the experimental and ideal performance observations for a reliable device diagnosis, design and optimization. The complex physical and chemical reactions between nanocrystalline

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