**Laser surface modification of polymer membranes for the biological applications**

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**Abstract**

In this paper, the excimer laser surface modification (at 193, 248 and 308 nm) of polymers is studied. The changes in the surface morphology, the chemistry, hydrophilicity and the biocompatibility of the membrane following different irradiation parameters as well as the polymer composition are investigated. The optimum conditions for the biological applications is discussed.