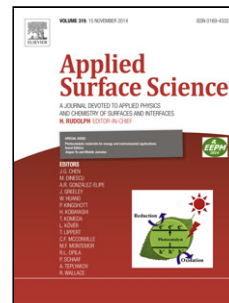


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Title: Low-Pressure Plasma Enhanced Immobilization of Chitosan on Low-Density Polyethylene for Bio-medical Applications

Author: K. Navaneetha Pandiyaraj Ana Maria Ferraria Ana Maria Botelho do Rego Rajendra. R. Deshmukh Pi-Guey Su Jr. Mercy Halleluyah Ahmad Sukari Halim



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Research Highlights

- Acrylic acid (AAc) was grafted on LDPE film by *in situ* plasma polymerization.
- Molecules of PEG and chitosan were immobilized on AAc grafted LDPE films.
- Surface modified LDPE exhibits excellent hydrophilic property.
- Surface modified LDPE resist the adsorption of protein and adhesion of platelets.

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