



Fluorescence Properties of Modified Polyvinyl Alcohol Conjugates And Doped Modified Polyvinyl Alcohol Conjugates

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ABSTRACT

The Fluorescence properties modified polyvinyl alcohol conjugates and doped modified polyvinyl alcohol samples were studied. It can be seen that the emission peaks are at the same spectral position in MPVA and different spectral position in DMPVA. These bands may be assigned to the recombination of free charge carriers at the defects in PVA. The doping level dependence on the emission intensity of one of these bands. It is found that, the fluorescence intensity of the doped MPVA and MPVA is higher than that of pure PVA. Emission intensity and wavelength increase with doping of MPVA this is due to strong interaction between MPVA and metal ions.

Keywords: Fluorescence properties, Emission intensity, MPVA and DMPVA.
