International Research Journal of Engineering Science, Technology and Innovation Vol. 7(1) pp. 1-1, February, 2021
Available online https://www.interesjournals.org/engineering-science-technologyinnovation.html

Image Article

Effect of Bio Natural Dye on Optical Properties of Liquid Poly Vinyl Alcohol

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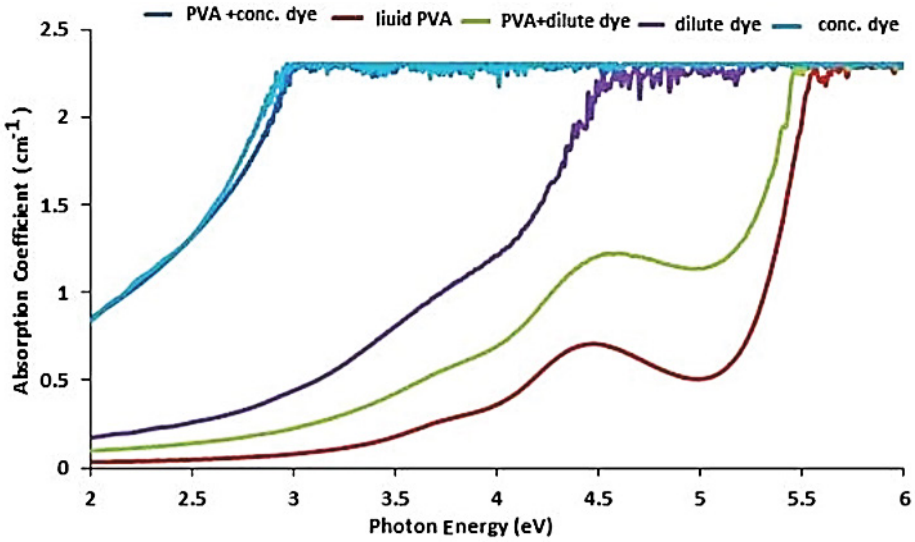

Figure 1: For an increase in photon energy, the absorption coefficient of liquid PVA, water, PVA + dilute dye increases; the concentrated dye and PVA + concentrated dye have the highest absorption coefficient. Although the dye extract includes nitrogen, oxygen, sulphur and halogens with n electrons, these rays have more energy than the energy required to stir up electrons and can absorb visible or UV radiation.