

Biophysics 1991 vol.36 N5, pages 896-898

Influence of paramagnetic admixtures on nuclear magnetic relaxation of tissue water protons

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Abstract

Nuclear spin echo has been used to investigate the possible influence of paramagnetic impurities on spin-lattice relaxation of tissue water protons in aloe leaves. A simple way of solving the problem of the influence of paramagnetic inclusions on the nuclear magnetic relaxation times of water protons in plant tissues is described. It is concluded that in plant tissue one may ignore the influence of oxygen and any paramagnetic impurities on the spin-lattice relaxation of water protons. © 1992.
