In this issue

Research Article

**Differential Analysis of O-(2-hydroxypropyl) cellulose by Using Two-Dimensional 1H-NMR Spectroscopy**

Published On: March 02, 2020 | Pages: 010 - 015

Author(s): Naotaka Sakamoto, Edmont Stoyanov*

Two-dimensional 1H-NMR is used to determine the intra-molecular interactions of O-(2-hydroxypropyl) cellulose (HPC) in aqueous (D2O), DMF and DMSO solutions. Four grades HPC with different molecular weights are analyzed by using NOESY (Nuclear Overhauser Effect Spectroscopy) for proton-proton cross-interactions. A strong dependence of the polymer chain structure on th ...

Review Article

**Dynamic buffer capacity versus alkalinity. Formulation in terms of Simms constants idea**

Published On: February 12, 2020 | Pages: 001 - 009

Author(s): Anna Maria Michaowska-Kaczmarczyk and Tadeusz Michaowski*

The Simms constants (gi) concept is put in context with equations for some acid-base titration curves, formulated for D+T systems, with titrand D and titrant T prepared according to normal and isomolar mode. The relationships between gi and successive dissociation constants (Ki) values for polyprotic acids are formulated. The mathematical formulation of dynamic buffer ...

Letter to Editor
Advanced craniosacral therapy a combination of Quantum theories and Einstein’s relativities

As I noticed, some obvious points are missed in recent correspondence in the International Journal of Osteopathic Medicine considering the mechanism and effectiveness of Craniosacral therapy. Considering phenomena of Craniosacral therapy as a placebo and statistical regression won’t be dismissed. The recognition of Mr. Maddick’s that the present explanatory model is u ...