

Supplementary Data

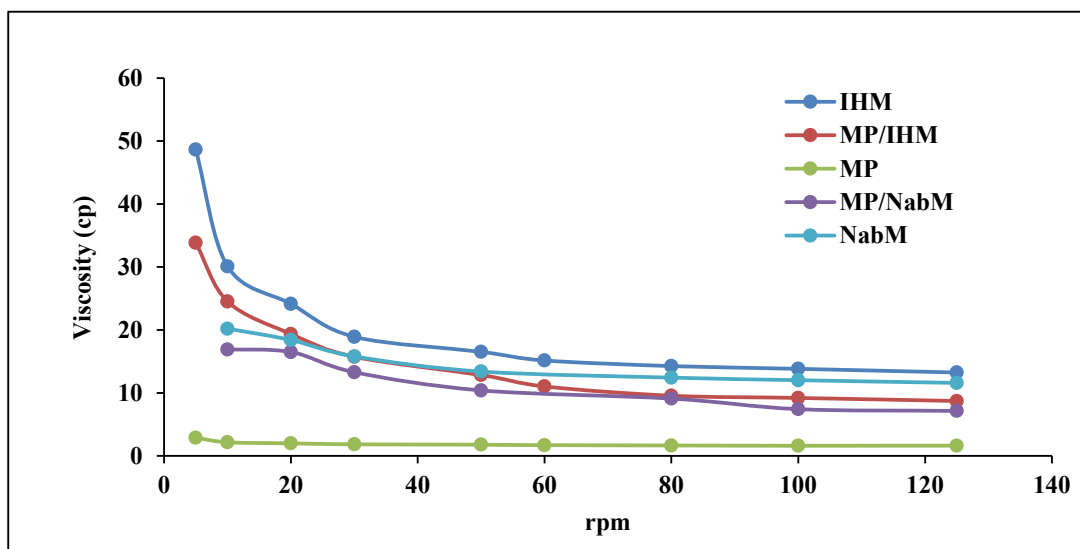


Figure S1. The apparent viscosity of MP, IHM, NabM and MPMC: MP: milk protein, IHM; isabgol husk mucilage, NabM: Nabeq mucilage, MP/IHM: milk proteins/isabgol husk mucilage complex and MP/NabM: milk proteins/Nabeq mucilage complex

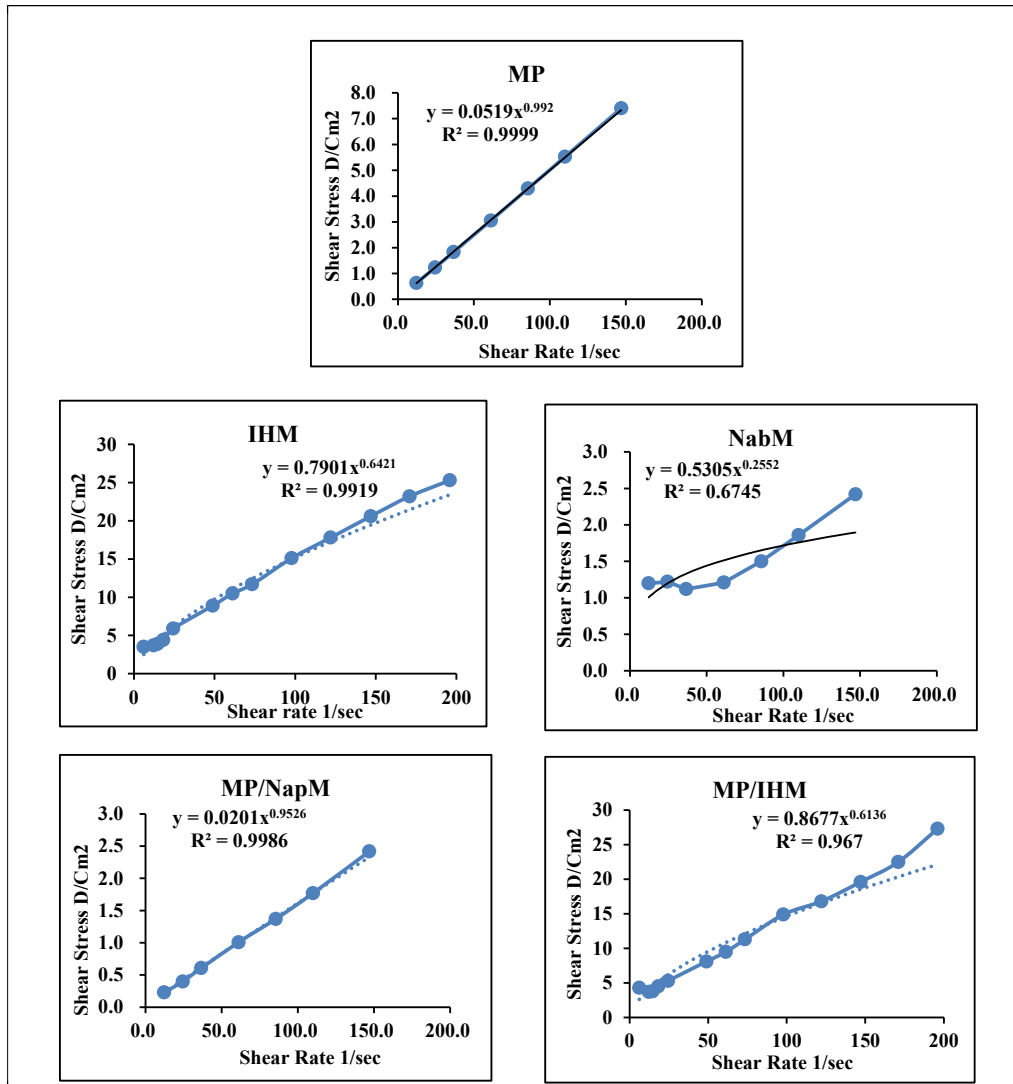


Figure S2. Shear stress vs shear rate curves of BTMP: buffalo total milk protein, NabM: Nabeq mucilage, IHM: isabgol husk mucilage, BTMP/NabM: buffalo total milk proteins/ Nabeq mucilage complex, BTMP/IHM: buffalo total milk proteins/isabgol husk mucilage complex

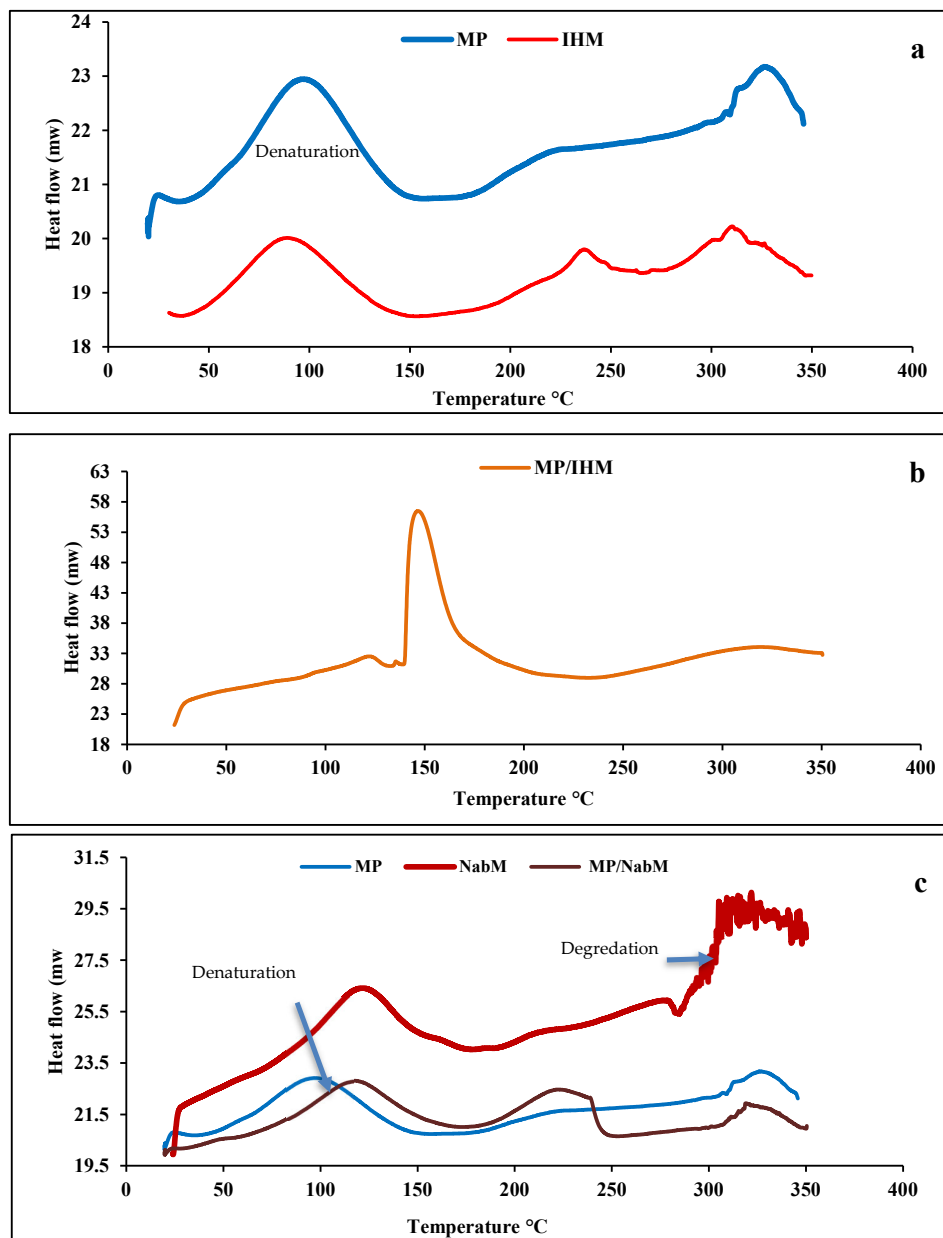


Figure S3. Differential scanning calorimetry thermograms of: a) MP: milk protein, IHM: isabgol husk mucilage; b) MP/IHM: milk proteins/isabgol husk mucilage complex; c) MP: milk protein, NabM: Nabeq mucilage and MP/NabM: milk proteins/Nabeq mucilage complex

Table S1. Parameters of the power law equation of MP and MPMC*.

Samples	IHM	NabM	MP	MP/IHM	MP/NabM
K (Pa.sⁿ)	0.79	0.53	0.053	0.87	0.027
n	0.64	0.25	0.992	0.61	0.95
R²	0.97	0.62	0.99	0.93	0.99

*K: consistency index; n: flow behavior index; R²: R-squared statistic; NabM: Nabeq mucilage; IHM: isabgol husk mucilage; MP: milk protein; MP/NabM: milk proteins/Nabeq mucilage complex; MP/IHM: milk proteins/isabgol husk mucilage complex.