Dear Editor,

Thank you very much for your letter on our manuscript entitled “Composition and Rheological Properties of Polysaccharide Extracted from Tamarind (Tamarindus indica L.) Seed” (molecules-466969). We have followed the reviewers’ and editor’s suggestions and made revisions point by point. The following are the list of response to the reviewers in details.

Thank you very much again for your kind help.

Best regards.

Your sincerely,

Lianzhong Ai, PhD
tamarind seeds collected from Yunnan, China, which has not reported in the literature yet. Moreover, this manuscript systematically show the rheological stability of TSP with different factors and wide levels, which was less to discuss in other literature. We have added this part in the part of Introduction as line 54-59:

The current study tried to extract polysaccharide from tamarind seeds collected from Yunnan, China, which has not reported yet, and chemically characterize the compositions of TSP. With the aim of systematically investigate the rheological properties and stability of TSP, we chose several different factors with the wide range of levels to studied the TSP solutions at different concentrations (0.5%, 1%, 1.5%, 2%, 4%, 8%, 10%), pH (1, 4, 7, 10, 13), temperature (5 - 85 °C), salt ions (Na+, K+, Ca2+) and sucrose (10%, 20%, 30%).

Point 3: Materials and methods: The section “3.1. Materials” should be completed because there are several materials that are not included: citric acid, sucrose, salts (Na+, K+, Ca2+), acid and alkali used to adjust the pH in the rheological studies, ethanol, ...

Response 3: Thanks a lot for your kind remind. We have added all the materials we used in line 257-260 and presented below:

Ethanol, phenol, citric acid, boric acid, acetonitrile, NaNO3, TFA, HCl, H2SO4, NaOH, KBr, NaCl, KCl, CaCl2 and sucrose were purchased from Yuanye Bio-technology Co. (Shanghai, China). Analytical grade chemicals were used. All reagents used were of analytical grade unless otherwise specified.