



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2014_IRJPAC_9586
Title of the Manuscript:	The Study Rheological Behavior of Sunflower Oil

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Unfortunately, I have just reading the published paper entitled " Study concerning the rheological behavior of sunflower oil" and I discovered that data presented in the revised manuscript (2014_IRJPAC_9586) are more or less the same except that the Author reported that between 40 – 70 °C and 100 °C sunflower oil has a Bingham fluid behaviour and between 80 – 90 0C sunflower oil has a Casson fluid behavior. After reading the published paper " Study concerning the rheological behavior of sunflower oil"	Article „ Study Concerning the rheological behavior of sunflower oil" shows the variation of dynamic viscosity with shear rate of sunflower oil in the temperature range 40-100 ⁰C and the corresponding parameters obtained by fitting curves and article presents the rheological behavior sunflower oil (depending on the shear rate shear stress) and application of rheological models (Bingham, Casson, Ostwald-de Waele, Herschel-Bulkley) for that oil. Of the four models studied, we observed that the temperature range of 40-70 ⁰C and 100 ⁰C, the largest correlation coefficients we obtained Bingham model. At 80 and 90 ⁰C correlation coefficients have higher values for the Casson model. The two items are identical. Researchers do tribological studies on oils can interpret different parameters in the two articles.