



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
As I have mentioned before the published paper entitled " Study concerning the rheological behavior of sunflower oil" and 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 OC sunflower oil has a Casson fluid behavior.	As I explained article „Study concerning the rheological behavior of sunflower oil" and manuscript 2014_IRJPAC_9586 are not one and the same. In the literature there are different models describing the dependency of dynamic shear rate viscosity and other rheological models describing the dependence of the shear stress vs. shear rate. In the article „Study concerning the rheological behavior of sunflower oil" I found new equation of dynamic viscosity of oil by shear rate. These curves are different sunflower oil without additives and additives, as well as parameters determined. These parameters in the case of sunflower oil without additives depend on the composition of the oil, the temperature and shear range. In the article 2014_IRJPAC_9586 rheological models have used only found in the literature to describe the dependence of shear stress vs. shear rate sunflower oil without additives. The correlation coefficients close to unity indicates that the oil in a certain temperature range of a particular model.