Department of Chemical and Petrochemical Engineering,

Egypt-Japan University of Science and Technology,

Alexandria,

Egypt.

27th March, 2019.

The Editor-in-Chief,

Journal of the Serbian Chemical Society.

Dear Dr.,

**Request for Consideration of Manuscript for Publication**

I, Engineer Onyeka Stanislaus Okwundu, a current MSc student researcher of the stated institution, a former research assistant at University of Benin, Nigeria, a first class best graduating student of the University of Benin in 2014, hereby submit the attached manuscript titled, “**Comparison of mixing performances of T, Y and arrow-shaped micromixers using** **Villermaux-Dushman protocol at low Reynolds number**”, for your kind consideration for publication as **original research paper** in **Chemical Engineering** section of *Journal of the Serbian Chemical Society*.

Use of micromixers at very low flow regime may be beneficial in the biomedicals. Our work covers clear description and use of a chemical test method for mixing performance developed by Villermaux and Dushman. Its use for characterization micromixers has been limited to relatively high Reynolds number (Re), while most performance studies at low Re relied on numerical simulation. Consequently, we aimed our study at comparing the mixing performances of three different common configurations of micromixers (T, Y and arrow-mixers) using the Villermaux-Dushman test reaction at low Re values. We believe that the addressed issue would be of great value and interest to your readers.

The manuscript submitted to the Journal for review is original, has been written by the stated authors and has not been published elsewhere; is currently not being considered for publication by any other journal and will not be submitted for such a review while under review by the Journal; the manuscript contains no libellous or other unlawful statements and does not contain any materials that violate any personal or proprietary rights of any other person or entity. Coloured figures should be printed without colour – this would not alter the information. There are no conflicts of interest associated with this publication known to us, and the financial support which is in form of scholarship, does not in any way influence the outcome of this work. As the corresponding author, I verify that the manuscript has been read and approved for submission to *Journal of the Serbian Chemical Society* by my co-authors. and we suggest the following expert reviewers:

Pin-Chuan Chen: [Pcchen@mail.ntust.edu.tw](mailto:Pcchen@mail.ntust.edu.tw) of Department of Mechanical Engineering, National Taiwan University of Science and Technology, Taiwan.

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Thanks and remain blessed in anticipation of your approval.

Yours faithfully,

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