

## **LIST OF PUBLICATION**

### ***Paper published/accepted/communicated in Journals***

**Sumit Kumar Jana**, Asit Baran Biswas and Sudip Kumar Das, "Pressure drop in tapered bubble columns using non-Newtonian pseudoplastic liquid - Experimental and ANN prediction" *The Canadian Journal of Chemical Engineering*, (2013) Online.

**Sumit Kumar Jana**, Asit Baran Biswas and Sudip Kumar Das, "Gas holdup in tapered bubble columns using non-Newtonian pseudoplastic liquid - Experimental and ANN prediction" *Chemical and Biochemical Engineering Q.*, (2013) Accepted for publication.

**Sumit Kumar Jana**, Asit Baran Biswas and Sudip Kumar Das, "Gas holdup in tapered bubble columns using non-Newtonian pseudoplastic liquid," *The Korean Journal of Chemical Engineering*, (2013) Accepted for publication.

**Sumit Kumar Jana**, Asit Baran Biswas and Sudip Kumar Das, "Effect of taper angle on gas holdup in tapered bubble columns using non-Newtonian pseudoplastic liquids," *Global Chemical Engineering – An International Journal*, (2013) Accepted for publication.

**Sumit Kumar Jana**, Asit Baran Biswas and Sudip Kumar Das, "Pressure drop in tapered bubble columns using non-Newtonian pseudoplastic liquids" Manuscript under preparation.

### ***Paper presented in International/National conferences***

**Sumit Kumar Jana**, Asit Baran Biswas, Sudip Kumar Das, "Development of Artificial Neural Network model to predict the pressure drop using non-Newtonian liquid in tapered bubble columns ", Presented in Indian Chemical Engineering Congress -2012 (**Chemcon 2012**), 27 – 30 December 2012 at NIT, Jalandhar, Panjab, India.

**Sumit Kumar Jana**, Asit Baran Biswas, Sudip Kumar Das, "Prediction of gas holdup using Artificial Neural Network using non-Newtonian liquid in tapered bubble column ", Presented in Indian Chemical Engineering Congress -2011 (**Chemcon 2011**), 27 – 29 December 2011 at M.S. Ramaiah Institute of Technology, Bangalore, India.

**Sumit Kumar Jana**, Asit Baran Biswas, Sudip Kumar Das, "Studies on the gas holdup characteristics in tapered bubble column using non-Newtonian liquids", Poster Presented in APC Roy National Young Scientist Conference -2012, 17 – 18 February 2012 at Presidency University, Kolkata, India.