Electronic supplementary information

Profitable biomethane production from delignified rice straw biomass: Effect of lignin,

Energy and economic analysis

Kavitha S a, Yukesh Kannah R a, Kasthuri S a, Gunasekaran M b, Arulazhagan Pugazhendi c, Eldon R. Rene d, Deepak Pant e, Gopalakrishnan Kumar f,g*, J. Rajesh Banu h**

a Department of Civil Engineering, Anna University Regional Campus, Tirunelveli 627007, Tamil Nadu, India.
b Department of Physics, Anna University Regional Campus, Tirunelveli 627007, Tamil Nadu, India
c Centre of Excellence in Environmental Studies, King Abdulaziz University, Jeddah 21589, Saudi Arabia
d Department of Environmental Engineering and Water Technology, IHE Delft Institute for Water Education, Westvest 7, 2601DA Delft, the Netherlands
e Sustainable Chemistry, Flemish Institute for Technological Research, VITO, Belgium
f Institute of Chemistry, Bioscience and Environmental Engineering, Faculty of Science and Technology, University of Stavanger, Box 8600 Forus, 4036 Stavanger, Norway
g* School of Civil and Environmental Engineering, Yonsei University, Seoul 03722, Republic of Korea
h**Department of Life Sciences, Central University of Tamil Nadu, Neelakudi, Thiruvarur 610005, Tamil Nadu, India

Fig s1 Methodology flow chart of the present study