

ABSTRACT

SYSTEM AND METHOD FOR PREDICTING A PARAMETER OF WASTE WATER TREATMENT PROCESSES

- 5 A method and system for predicting a parameter of wastewater treatment process is disclosed. The method comprises the steps of obtaining a dataset, the dataset comprising a plurality of process variables related to the parameter of wastewater treatment process to be predicted; obtaining a predetermined number of measured values of the parameter to be predicted; pre-processing
- 10 the obtained dataset; the pre-processing step includes aligning the process variables to account for any time-varying nature of the process variables and sorting the dataset into a set of inputs, the set of input comprising the dataset and the measured values of the parameter to be predicted; obtaining a resultant output at each soft sensor; and averaging the resultant output across each of
- 15 the plurality of soft sensor; the averaged resultant output being set as the final predicted parameter.

FIG. 2