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Predicting hydrodynamic parameters and volumetric gas-liquid mass transfer coefficient in an external-loop airlift reactor by support vector regression

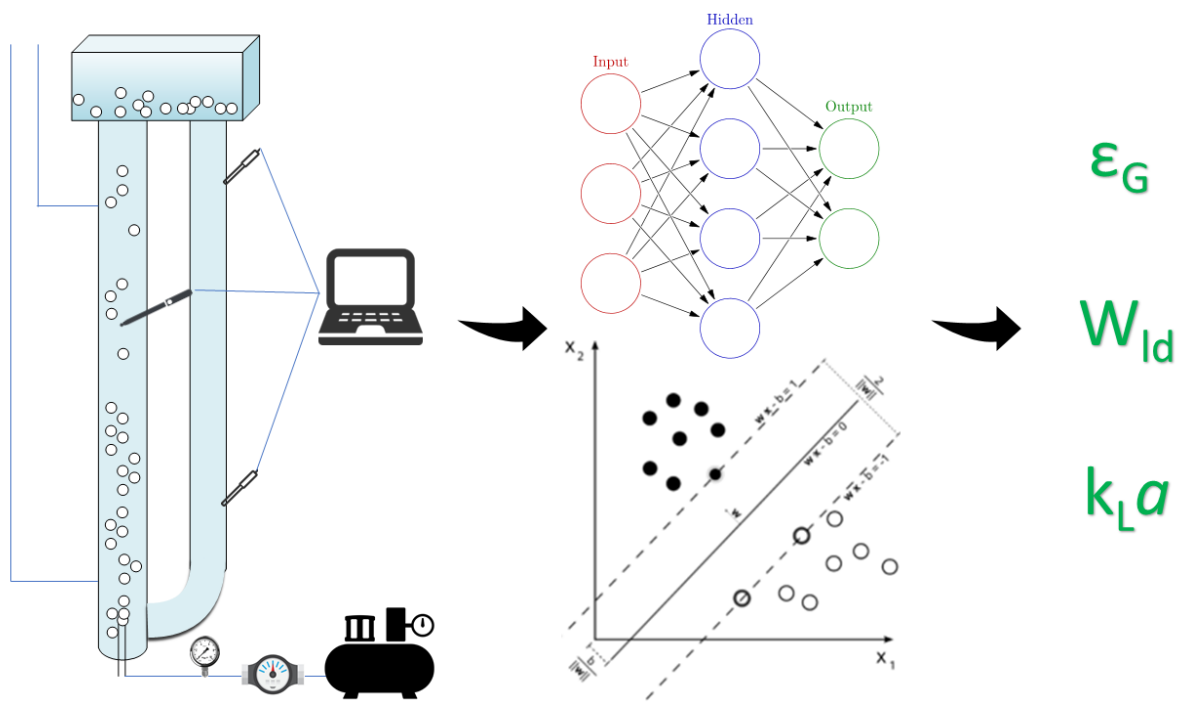
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Graphical abstract



Highlights

- SVR models show remarkably good predictability over the wide range of data
- Prediction of the SVR model for ϵ_G , W_{ld} and $k_L a$ in the ELAR reported first time in literature

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