# ABBREVIATIONS

| Acronym | Full Form |
|---------|-----------|
| ANN | Artificial neural network |
| AI | Artificial intelligence |
| ASW | Aspen simulation workbook |
| BS&W | Basic sediment and water |
| CAPEX | Capital expenditure |
| CFD | Computational fluid dynamics |
| DCS | Distributed control system |
| DDP | Dehydration and desalting process/plant |
| DSS | Decision support system |
| GRG | Generalised reduced gradient |
| HSE | Health, safety and environment |
| bbl/day | Barrel per day |
| LM | Levenberg-Marquardt |
| MLP | Multilayer perceptron |
| MSE | Mean squared error |
| OPEX | Operational expenditure |
| ppm | Parts per million |
| ptb | Pounds per thousand barrel |
| RBF | Radial basis function |
| RTO | Real-time optimization |
| SRE | Salt removal efficiency |
| VP Model | Versatile process model |
| WRE | Water removal efficiency |
| WW | Wash water |