

Application of Soft Computing Techniques in River Flow Modeling in The Case of Euphrates-Tigres Basin

FIGURES

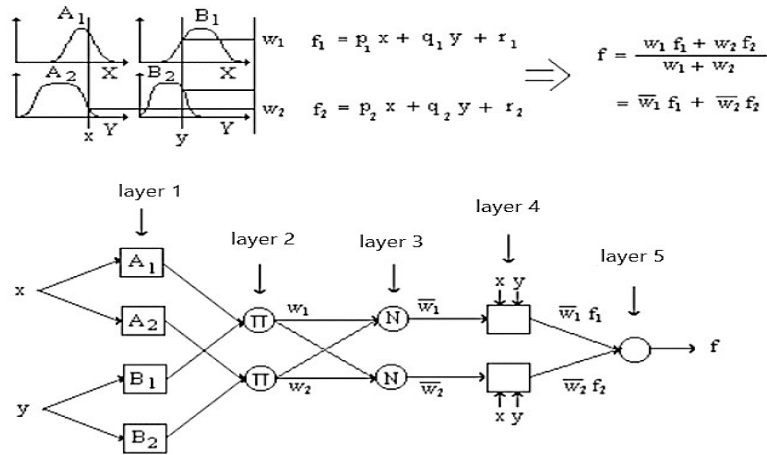


FIGURE 1 ANFIS Structure (Demuth 2000).

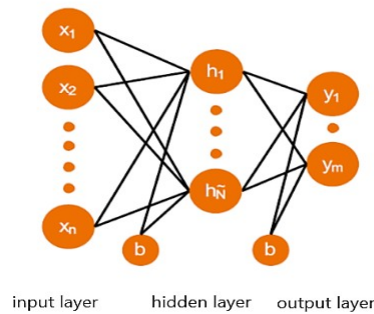


FIGURE 2 Algorithm of Extreme Learning Machine (Jin et al. 2020).

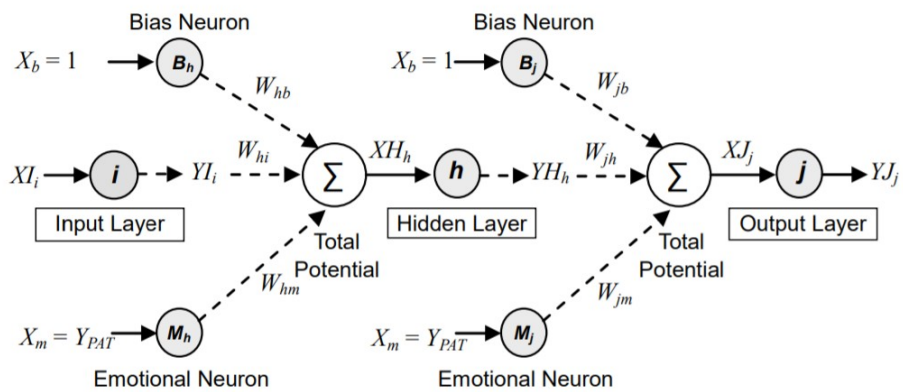


FIGURE 3 Process for EmNN feed forward calculation (Khashman 2009).

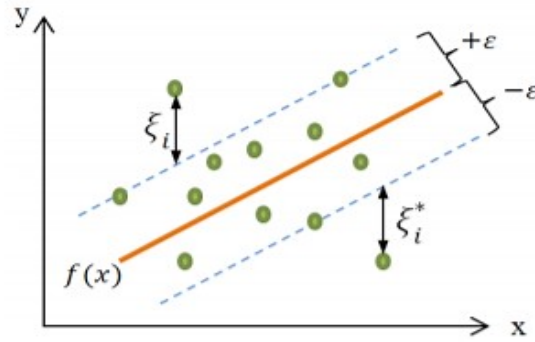


FIGURE 4 An example for SVM model structure (Chanklan 2018).

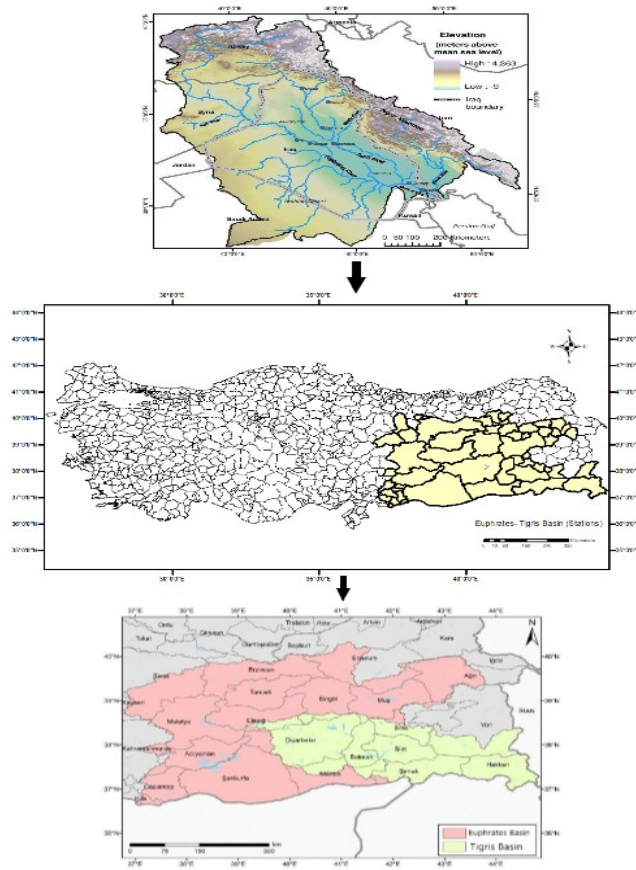


FIGURE 5 Euphrates-Tigris River Basin bordering on Turkey and riparian countries and the part of the basin in Turkey (examined in this study) (Chen 2011).

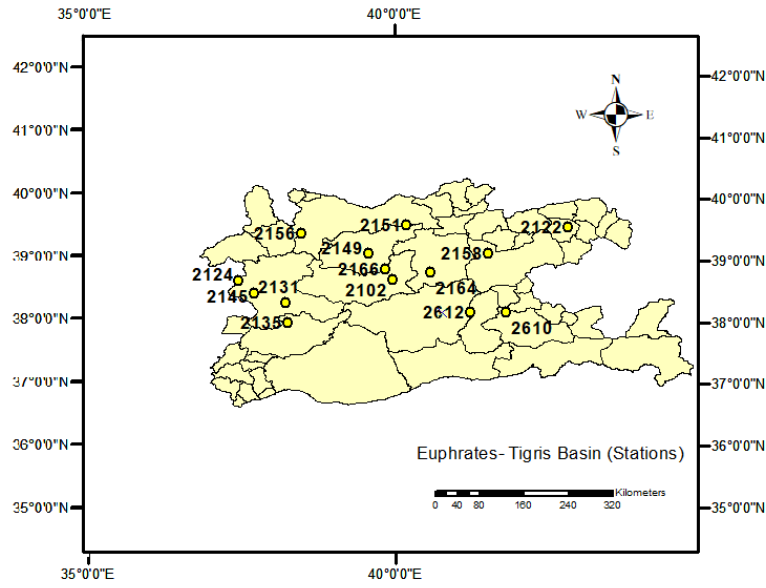


FIGURE 6 Selected stream observation stations in the Euphrates-Tigris Basin.

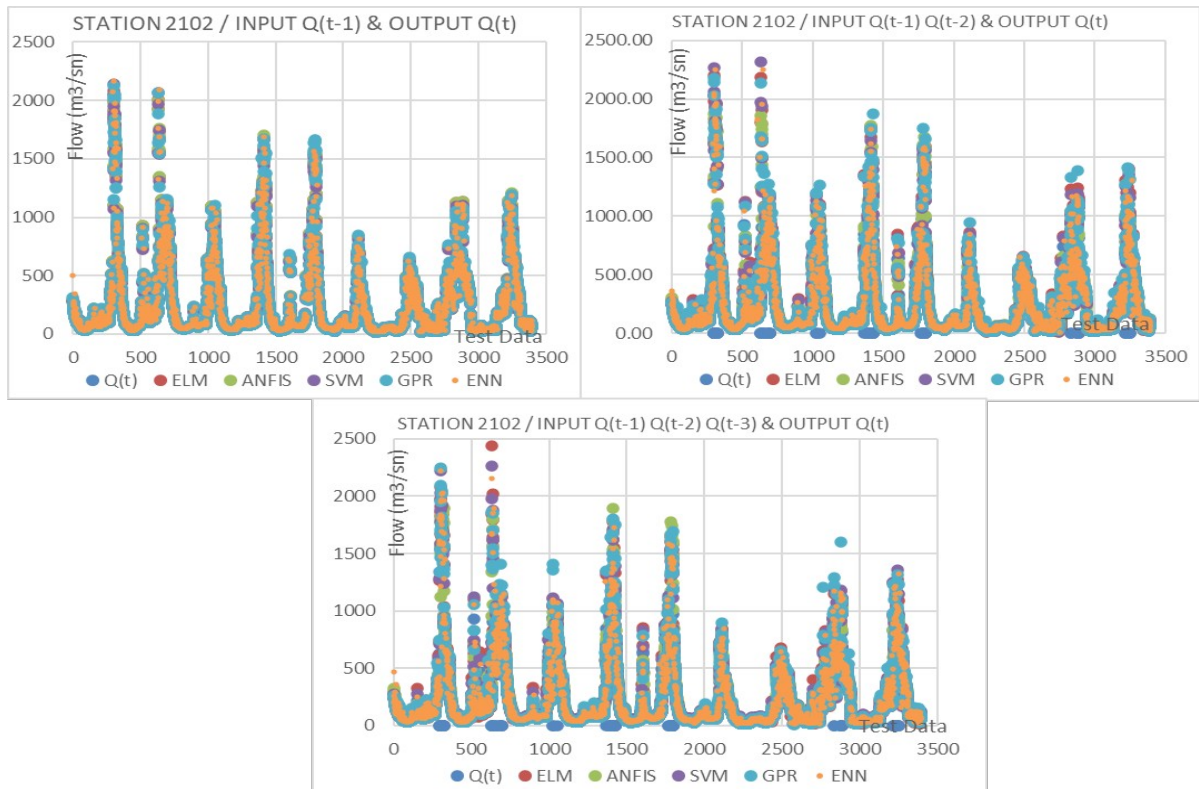


FIGURE 7 ELM, ANFIS, SVM, GPR and ENN outputs of the station 2102.



FIGURE 8 Evaluation results for 14 stations (a) RMSE values (b) R^2 values (c) MSE values (d) MAE values