

**Distance-independent individual tree diameter-increment model for
Thuya (*Tetraclinis articulata* (VAHL.) MAST.) stands in Tunisia**

Supplementary Material

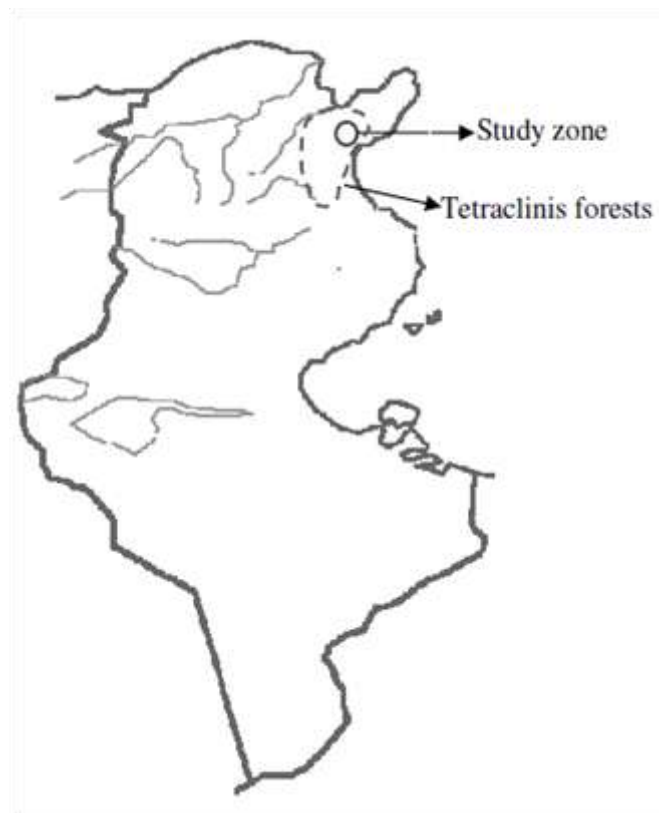


Figure S1 – Distribution area of *Tetraclinis articulata* in Tunisia and localization of the study area.

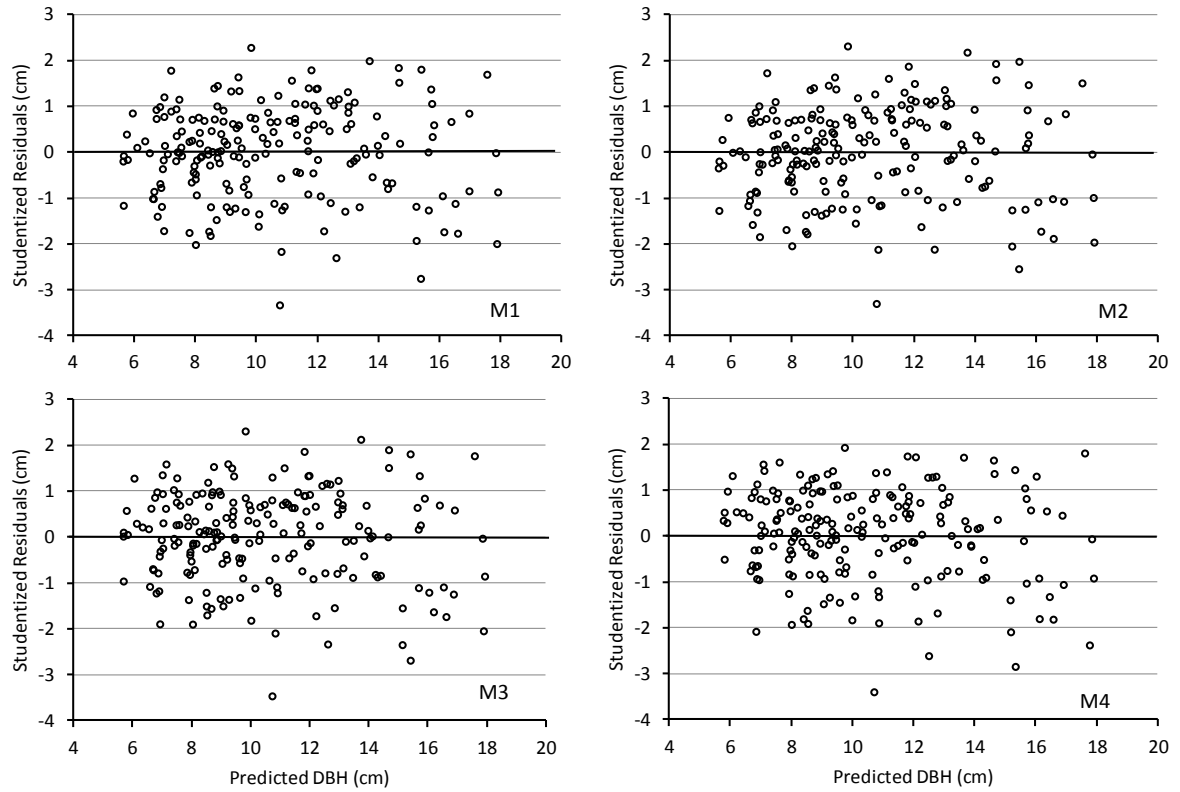


Figure S2 – Plot of the studentized residuals versus predicted diameter for models M1, M2, M3 and M4 with the parameters k and m expressed as linear functions of variables expressing site quality, stand density and inter-tree competition.

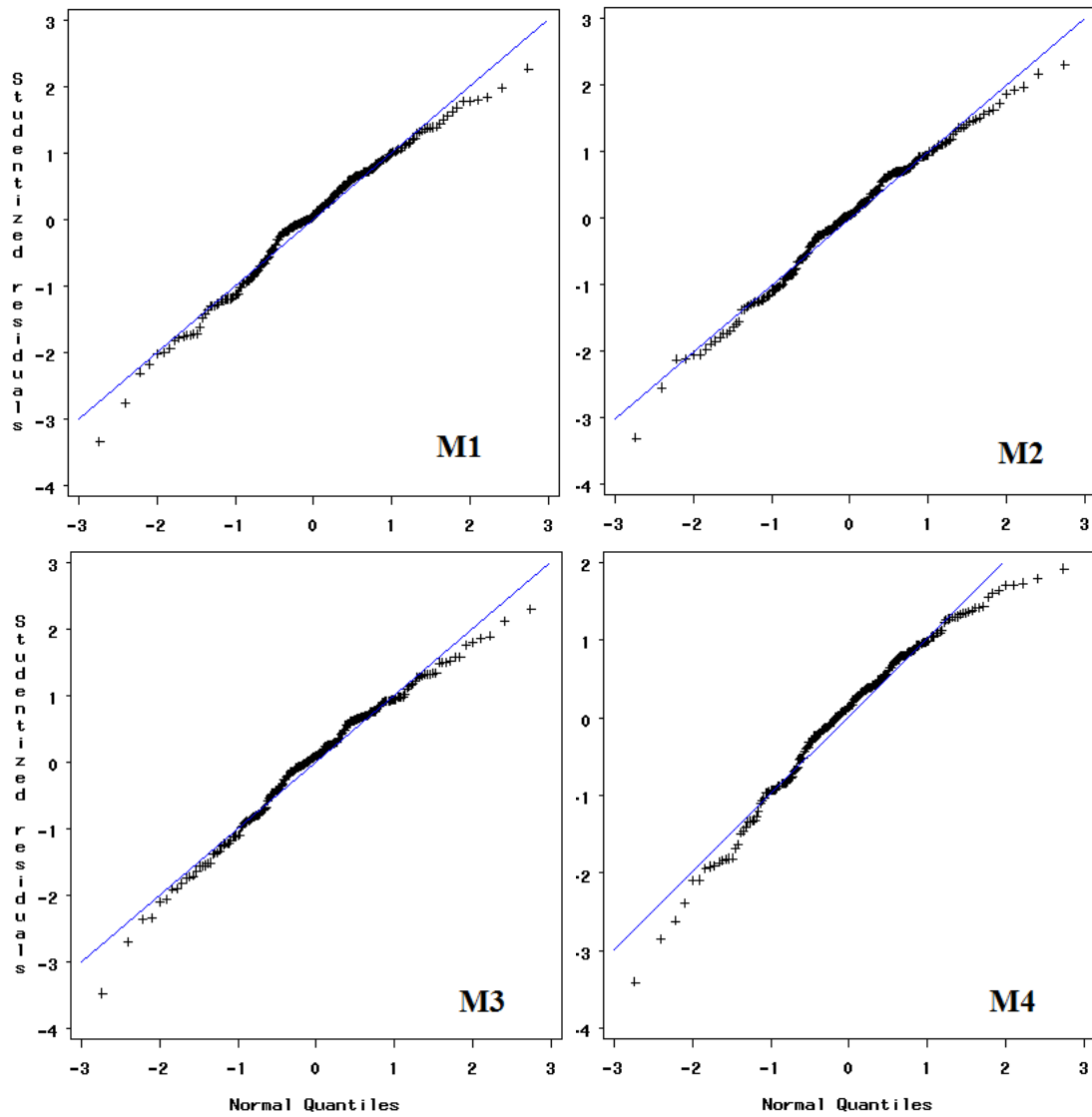


Figure S3 – QQ-Plot of studentized residuals for the fitted models M1, M2, M3 and M4.

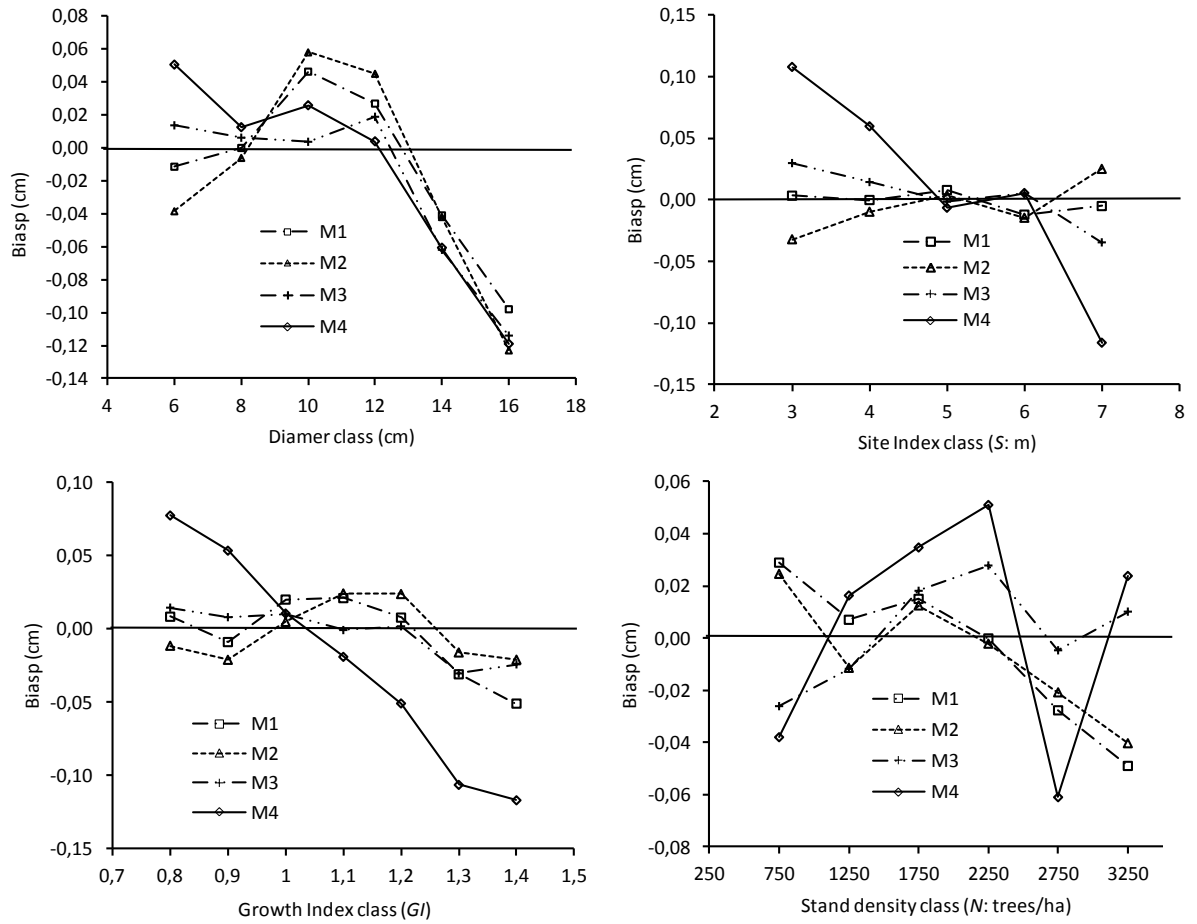


Figure S4 – Plot of average $Bias_p$ (computed from $PRESS$ residuals) per diameter class, site index class, growth index class and stand density class for M1, M2, M3 and M4 models with the parameters k and m expressed as linear functions of variables expressing site quality, stand density and inter-tree competition.

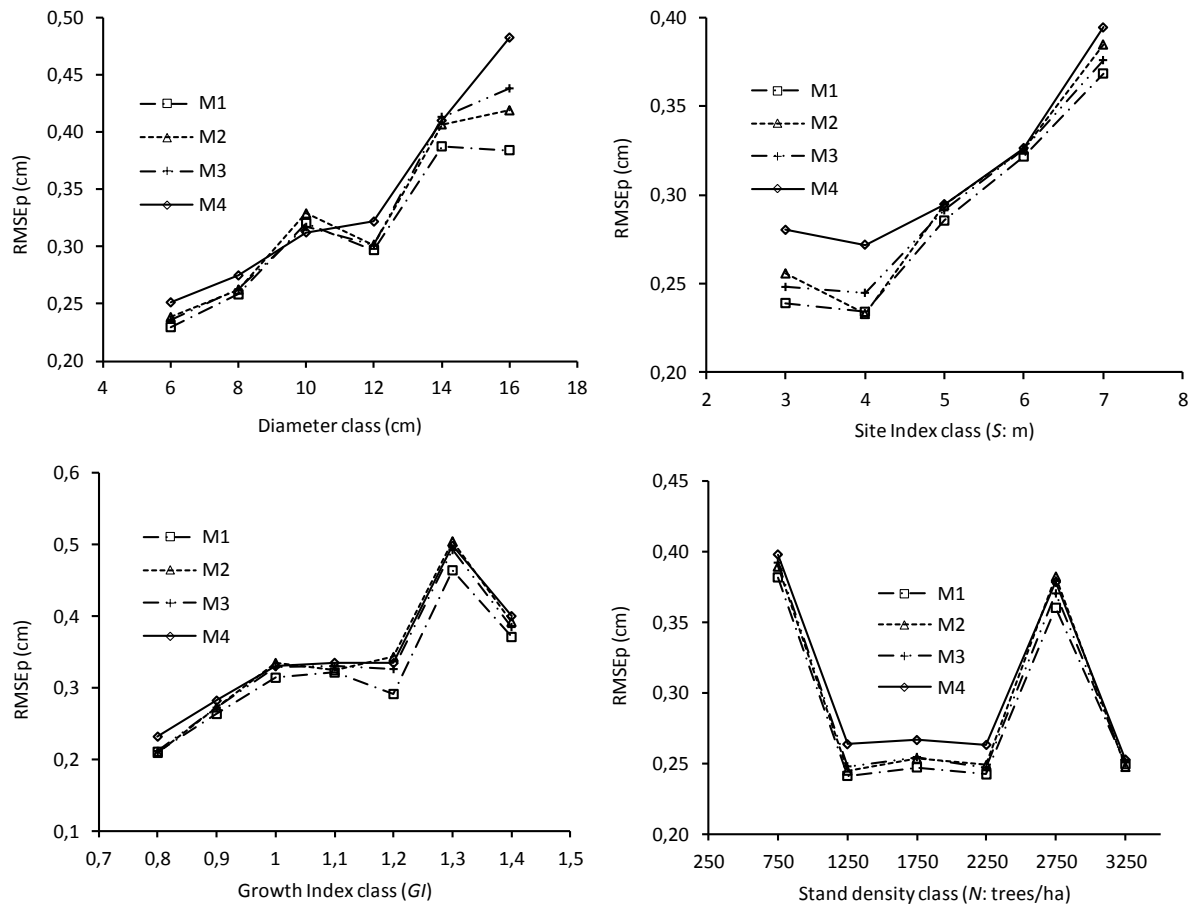


Figure S5 – Plot of $RMSE_p$ (computed from *PRESS* residuals) per diameter class, site index class, growth index class and stand density class for M1, M2, M3 and M4 models with the parameters k and m expressed as linear functions of variables expressing site quality, stand density and inter-tree competition.