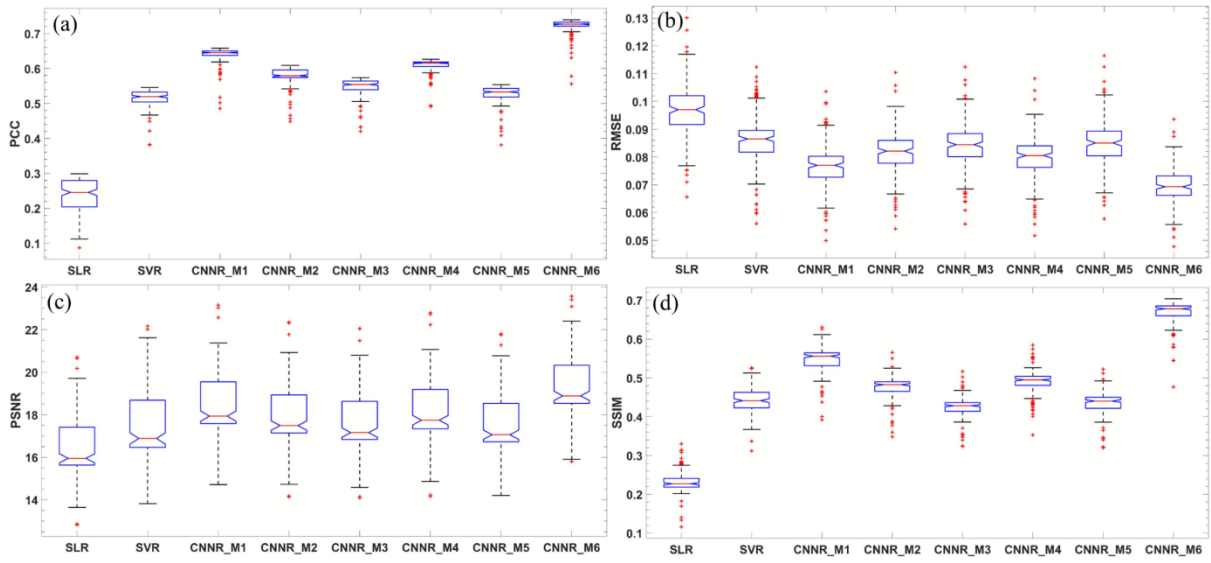## Evergreen Broadleaf Forest

Fig. S1. Comparison of (a) PCC, (b) RMSE, (c) PSNR, and (d) SSIM calculated from different models considering testing data of land cover type, Evergreen Broadleaf Forest.
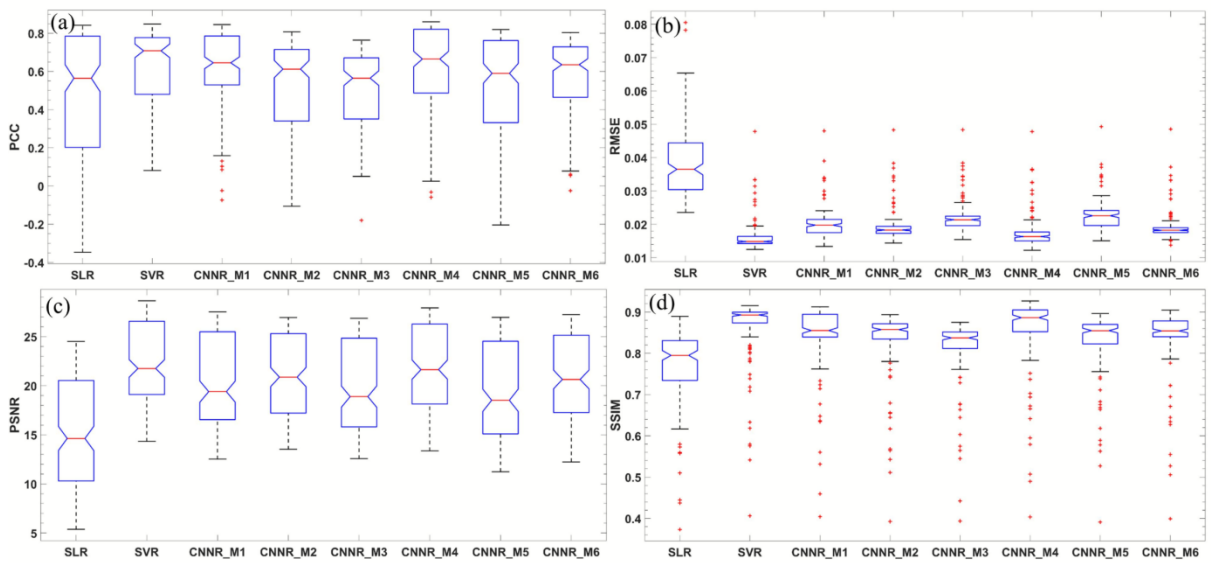
Deciduous Broadleaf Forest

Fig. S2. Comparison of (a) PCC, (b) RMSE, (c) PSNR, and (d) SSIM calculated from different models considering testing data of land cover type, Deciduous Broadleaf Forest.
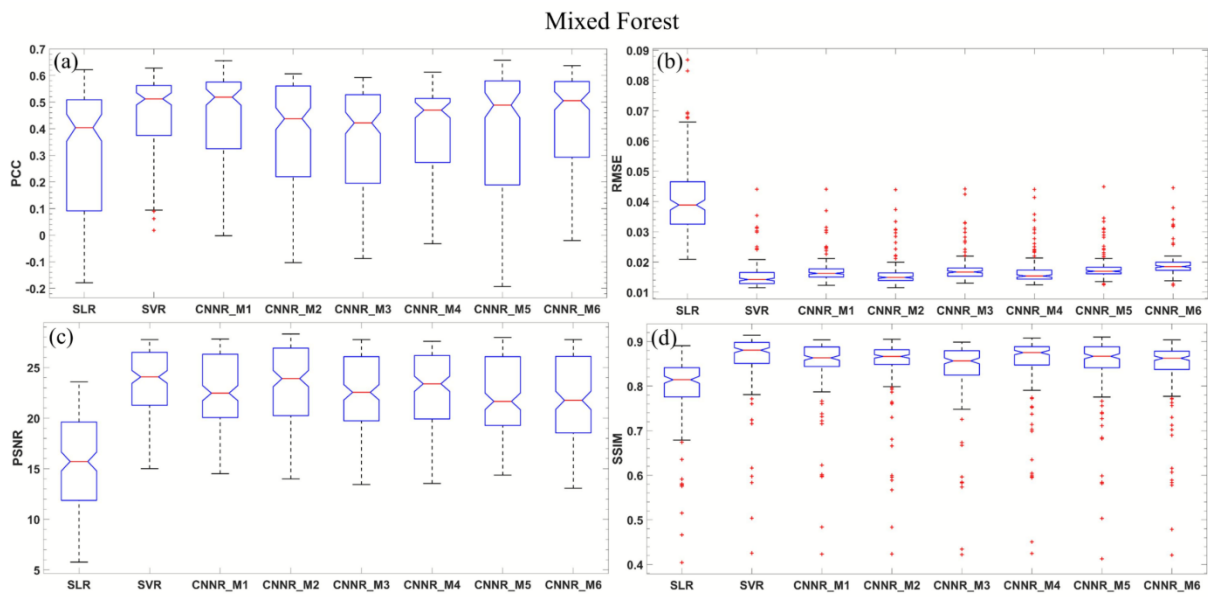
1

Mixed Forest

Fig. S3. Comparison of (a) PCC, (b) RMSE, (c) PSNR, and (d) SSIM calculated from different models considering testing data of land cover type, Mixed Forest.
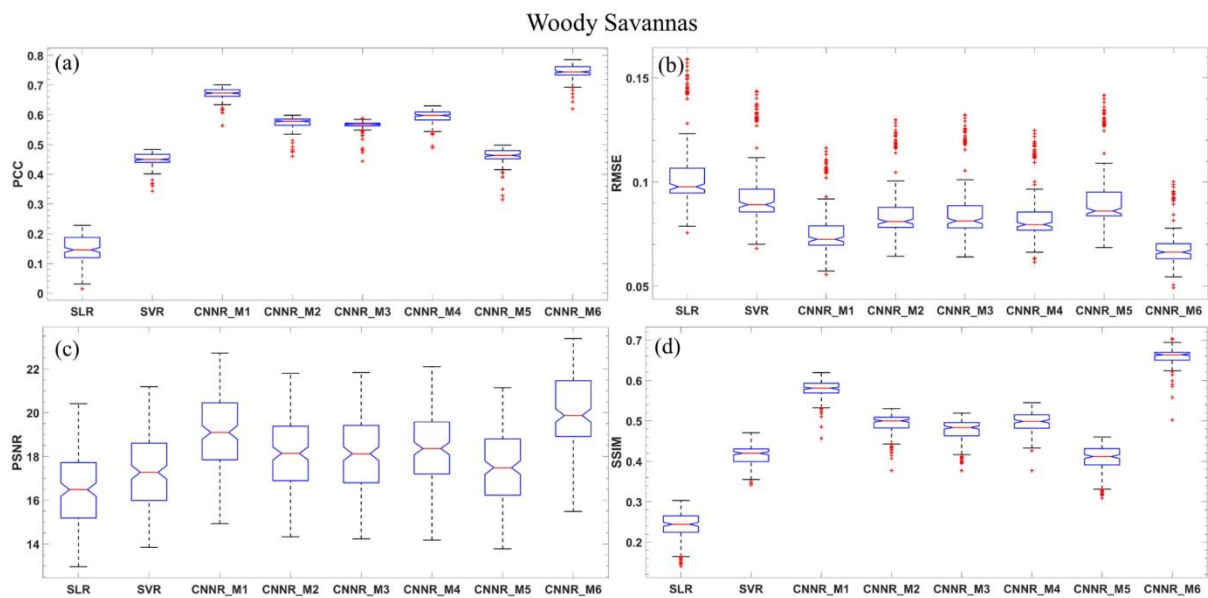
Woody Savannas

Fig. S4. Comparison of (a) PCC, (b) RMSE, (c) PSNR, and (d) SSIM calculated from different models considering testing data of land cover type, Woody Savannas.
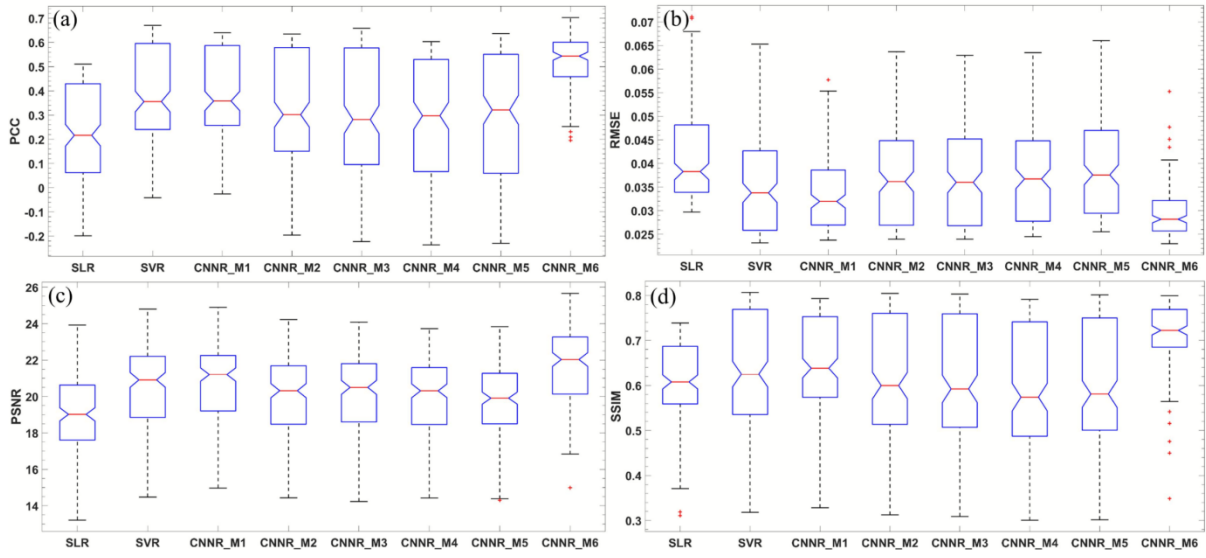
Savannas

Fig. S5. Comparison of (a) PCC, (b) RMSE, (c) PSNR, and (d) SSIM calculated from different models considering testing data of land cover type, Savannas.
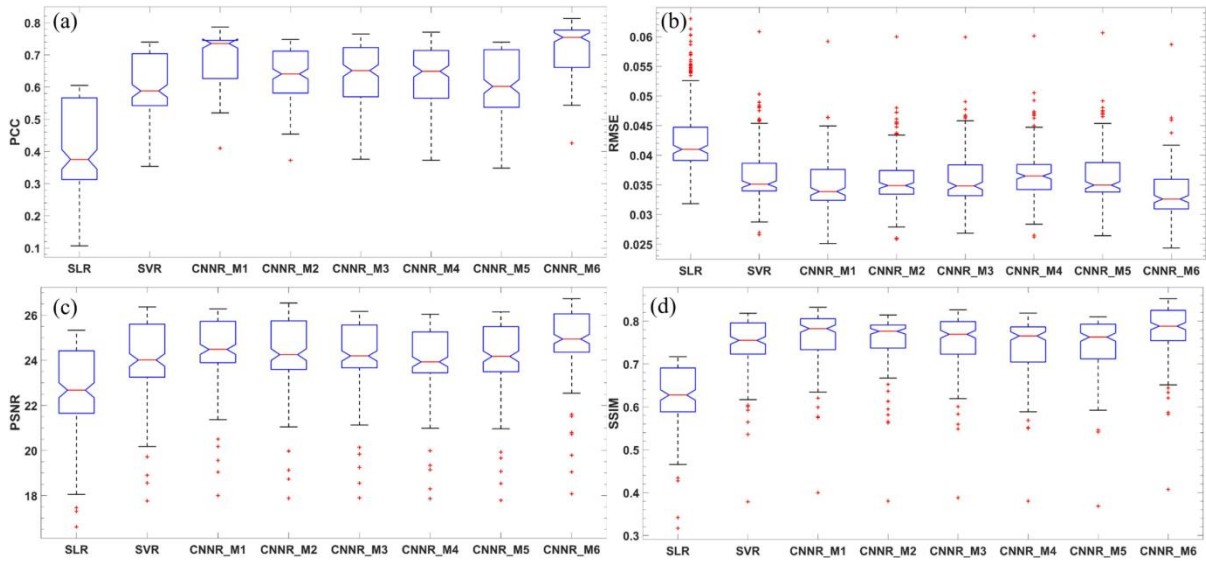
Grasslands

Fig. S6. Comparison of (a) PCC, (b) RMSE, (c) PSNR, and (d) SSIM calculated from different models considering testing data of land cover type, Grasslands.
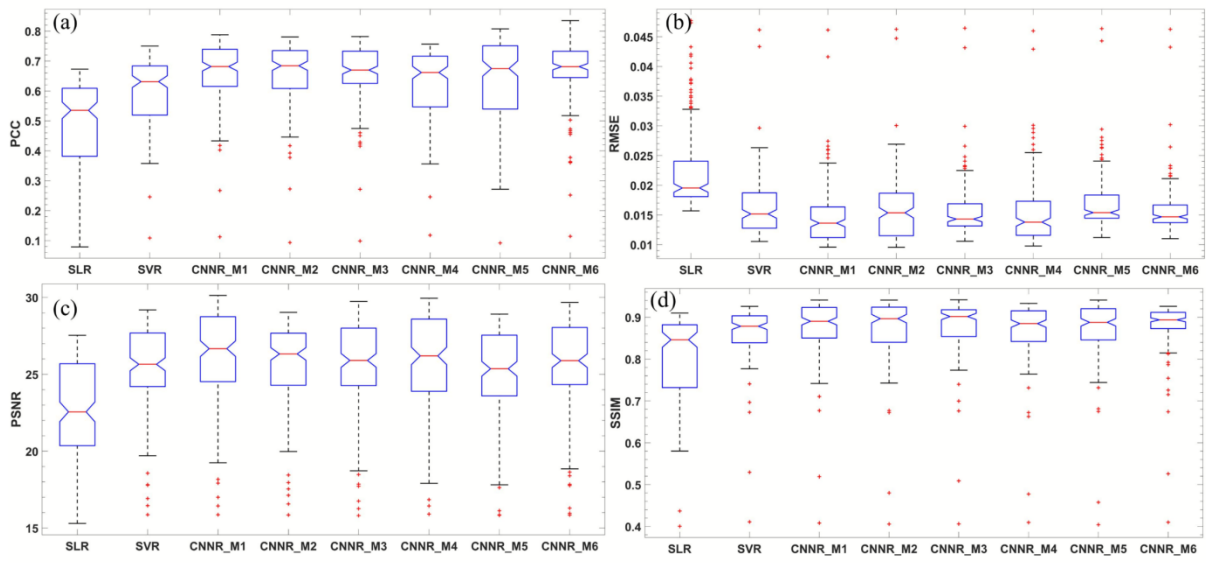
Fig. S7. Comparison of (a) PCC, (b) RMSE, (c) PSNR, and (d) SSIM calculated from different models considering testing data of land cover type, Urban and Built-up.