Errata corrige for the paper:

S. Fortunati, L. Sanguinetti, F. Gini, M. S. Greco and B. Himed, "Massive MIMO Radar for Target Detection", *IEEE Transactions on Signal Processing*, vol. 68, pp. 859-871, 2020.

1) Eq. (20), definition of $\hat{B}_N$. There is a typo in the position of the first conjugate operator *. Specifically, the **correct** definition of $\hat{B}_N$ is as follows:

$$\hat{B}_N \equiv \hat{B}_N(\hat{\alpha}) = N^{-1} \sum_{n=1}^{N} |v_n|^2 |\hat{c}_n|^2 + 2N^{-1} \sum_{m=1}^{l} \sum_{n=m+1}^{N} \mathrm{Re}\left\{ v_n^* v_{n-m} \hat{c}_n \hat{c}_{n-m}^* \right\}. \tag{20}$$

2) Eq. (23). The element-wise definition of the matrix $\widehat{\boldsymbol{\Gamma}}_l$ can be expressed in a more compact form as:

$$[\widehat{\boldsymbol{\Gamma}}_l]_{i,j} \triangleq \begin{cases} \hat{c}_i \hat{c}_j^* & |j - i| \leq l \\ 0 & |i - j| > l \end{cases} \tag{23}$$

for $1 \leq i, j \leq N$.