

## Supplementary Information

# In Situ Synthesis of C-N@NiFe<sub>2</sub>O<sub>4</sub>@MXene/Ni Nanocomposites for Efficient Electromagnetic Wave Absorption at an Ultralow Thickness Level

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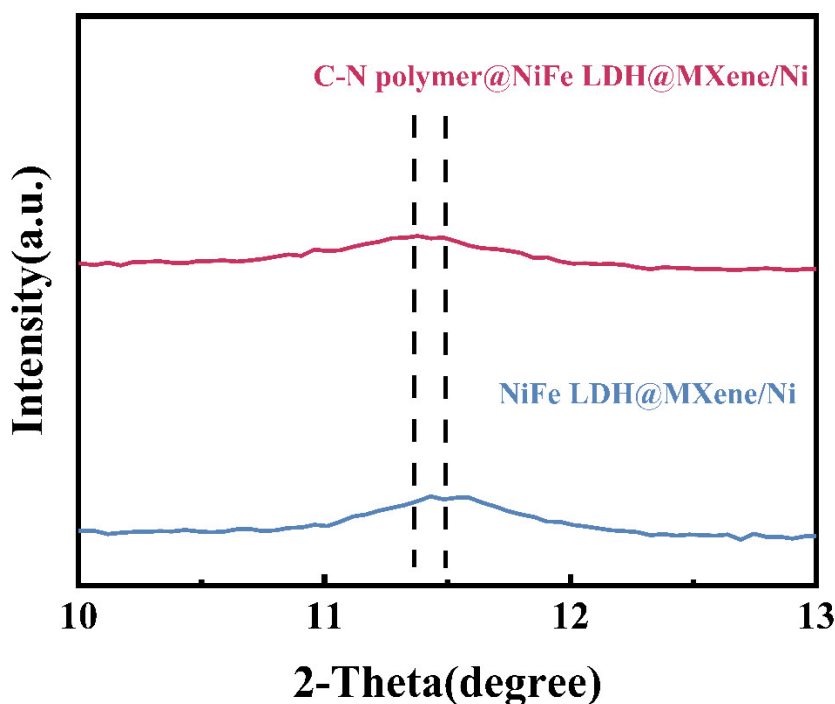
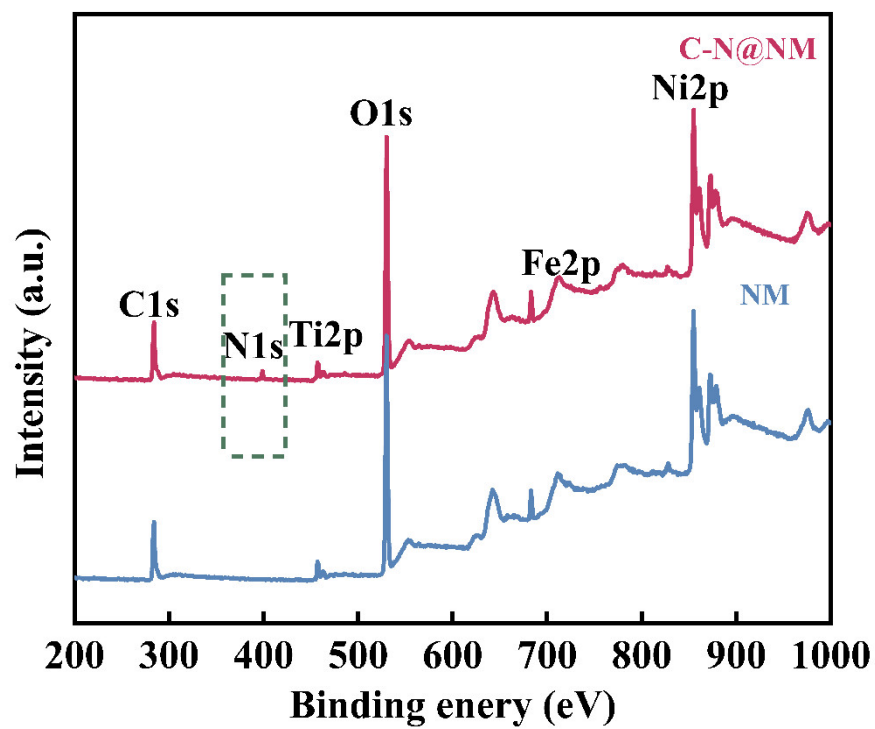
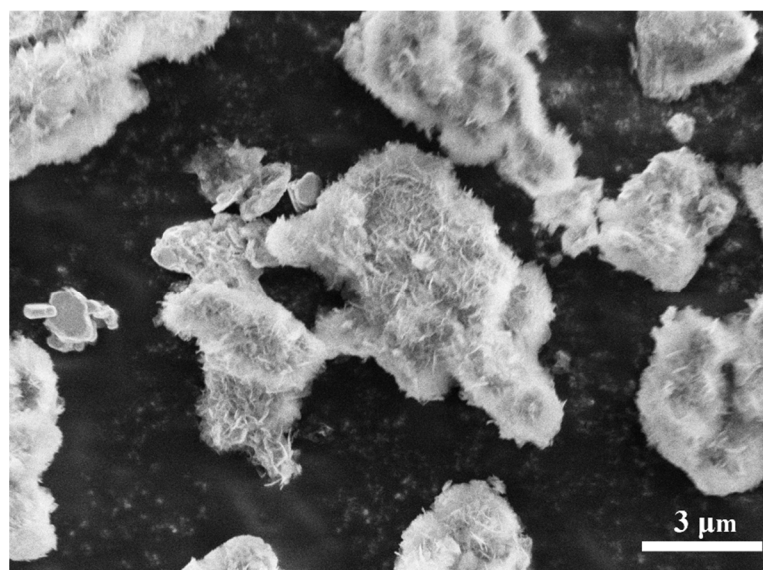


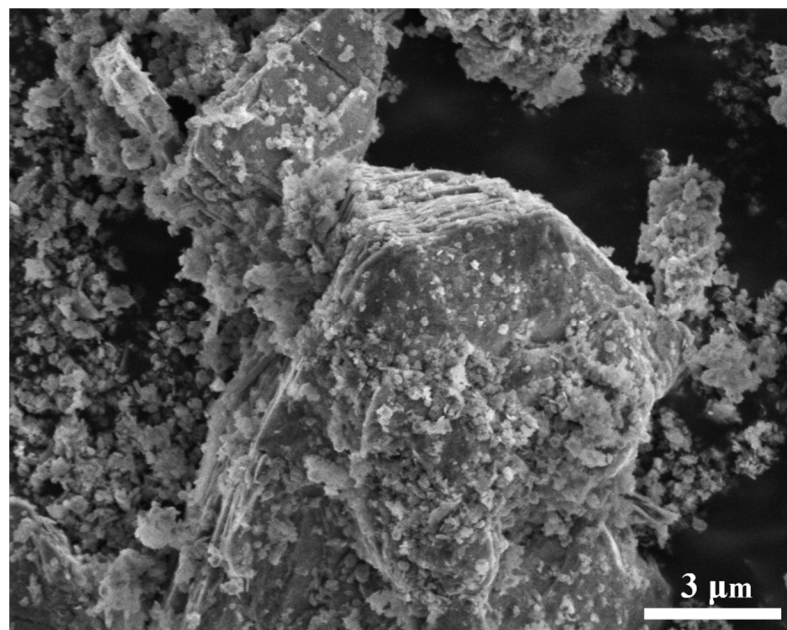
Figure S1. The partially enlarged detail of XRD patterns.



**Figure S2.** The wide-scan XPS spectrum of NM and C-N@NM.



**Figure S3.** SEM image of NiFe LDH@MXene/Ni.



**Figure S4.** SEM image of NM.