Supporting Information

Construction of dual direct Z- scheme NiAl LDH/g-C₃N₄/Ag₃PO₄ nanocomposite for enhanced photocatalytic overall water splitting

S. Megala^a, P. Ravi^{b,c}, P. Maadeswaran^d, M. Sathish^{b,c}, R. Ramesh^{a*}

E-mail address:rameshphys@gmail.com

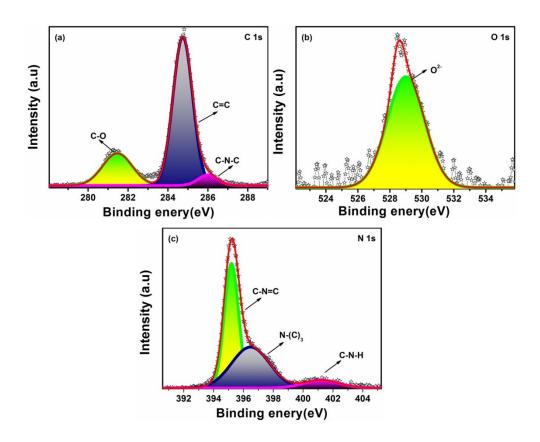


Fig. S1 High resolution XPS spectra of pure g-C₃N₄ for (a) C1s, (b) O 1s, and (c) N 1S.

^aDepartment of Physics, Periyar University, Salem-636011, Tamil Nadu, India

^bElectrochemical Power Sources Division, Central Electrochemical Research Institute Karaikudi -630006, Tamil Nadu, India

^cAcademy of Scientific and Innovative Research (AcSIR), Ghaziabad-201002, India ^dDepartment of Energy Science, Periyar University, Salem-636011, Tamil Nadu, India

^{*}Corresponding author.

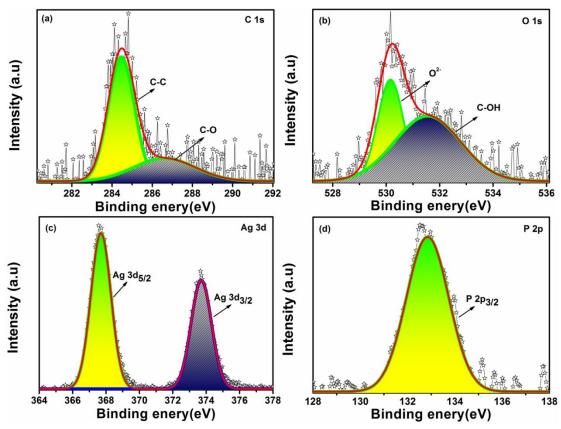


Fig. S2 High resolution XPS spectra of pure Ag_3PO_4 for (a) C1s, (b) O 1s, (c) Ag 3d, and (d) P 2p.

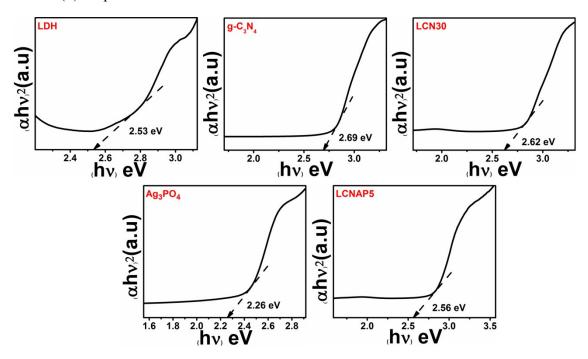


Fig. S3 Tau plots of NiAl LDH, g-C₃N₄, Ag₃PO₄ and LCN30, LCNAP nanocomposites.