An organic–inorganic conductor’s Polypyrrole(Cl)/Zeolite 4A (PPy(Cl)/Z4A) was successfully synthesized
by chemical oxidative polymerization at low and room temperature, using $FeCl_3$ as initiator the reaction and
dopant at the same time. After characterization, commodity we methods primarily on the polymerization of
pyrrole with different molar ratios of [$FeCl_3$]/[Pyrrole] in an aqueous medium, followed by a series of
characterizations for the polymers obtained. The right ratio was used for the preparation of nanocomposites
PPy(Cl)/Z4A. After each synthesis, the developed product is characterized by FTIR, SEM-EDX, XRD, electrical
conductivity and cyclic voltammetry, in order to confirm the success of the process of synthesis and study
their properties to specific applications envisaged.