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### Functional polymers and nanocomposites: Applications in organic devices and sensors

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The architecture of coordination or conjugated polymers containing functionalized building blocks and metal nanoparticles have emerged appealing attention because of their excellent response towards various technological applications. However, the synthesis of such materials with reproducible properties is always a challenge for the researchers. The ordering and alignments of polymers chains or the uniform distribution of nano-fillers and homogeneous composite

formation and the morphology control are some of the crucial requirements for various applications and enhancement of device performance. We have recently developed facile interfacial technique for the controlled morphology and ordering of the polymer chains. For the first time interfacial technique is used for the formation of uniform polymer nanocomposites and demonstrated for organic electronics and sensing applications.

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