FUNCTIONAL POLYMER MATERIALS DESIGNED FOR ENVIRONMENTAL REMEDIATION AND SUSTAINABILITY

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With advances in the translation of nanoscience to nanotechnology comes a need to consider sustainable sourcing of the building blocks used to create the nanotechnological devices at the same time that the functional performance application is This presentation will highlight defined. contributions that polymer chemistry can make toward nanotechnology that is capable impacting global needs, such of as water-food-energy, and the grand challenges that must be solved in the coming decade. The focus will include an integration of current approaches to construct nanoscopic systems from natural products with the design of hybrid nanoscopic systems that are capable of pollutant sequestration and magnetic recovery toward environmental remediation.

