

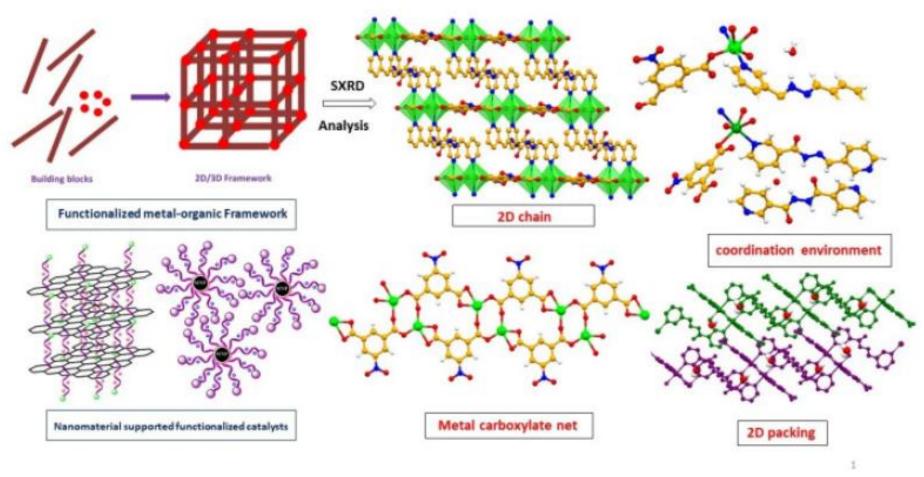


Department of Chemical Sciences, P D Patel Institute of Applied Sciences, Charotar University of Science and Technology

Research Areas





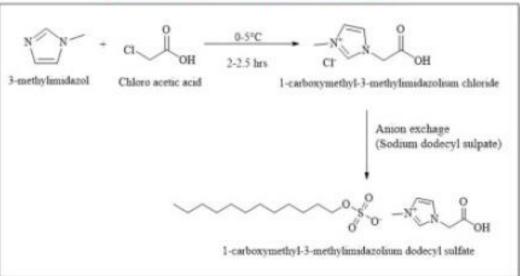


Design and Development of Advance Functional Materials





Synthesis of Surface Active Ionic Liquids

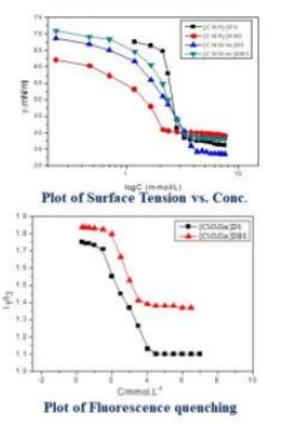


Highlight: The carboxy functionalized SAILs are expected to step forward for green surface-active agents

Determination of Physical Parameters

Critical Micellar Concentration (CMC), Aggregation Number Thermodynamics of Micellization, Surface Active parameters

Characterization SAILs



Design and Development of Surface Active Ionic Liquids

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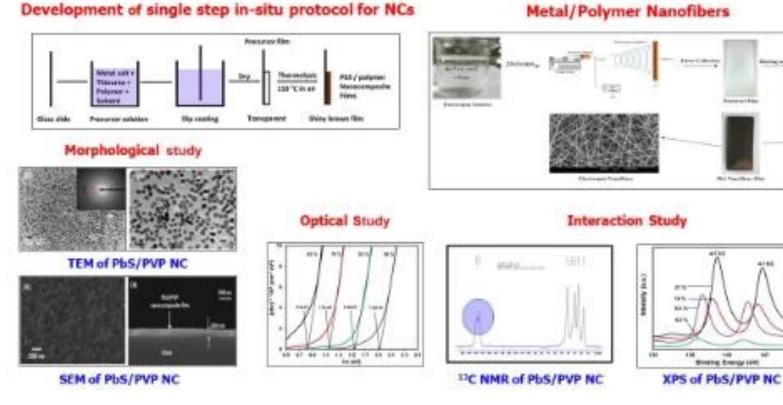


Synthesis of homopolymer Synthesis of copolymer Nanofiber synthesis Surface morphology study Reference autocast Transfer Street **Phat** Inclusion ... and other Aspeitrance homope lymen -samoest-2 · indelation -initiator T SAD HILL diant 7-20-50-50-50 19, 18 ph Million Antimicrobial study Ion exchange study ... 1" 1.4 18 +1 not +1 month +5 chest Effect of poly(CDWPMA), poly(CDMPMA-co-THPMA) and poly(THPMA) on Uptake of M⁺² by poly(CDMPWA) (3), poly(CDMPMA-co-THFMA) (2-6) and grawth (NJ of bactoria poly(THEMM) (2) at different pH

Development of Acrylate Polymer, Nanocomposites and Nanofibres







Metal/Polymer Nanofibers

fighting at \$27.0

Nanocomposites and Nanofibers