

Macromolecular Materials & Morphology Group

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Our Vision Statement

The aim of the M³G is to investigate and establish fundamental molecule-structure-property-processing relations of

- Nanostructured polymers
- Polymer nanocomposites
- Network-forming polymers

that exhibit designer chemical functionality and/or stimuli responsiveness for diverse applications that benefit humanity and scientific understanding.

Our Pledge

As part of our responsibility to NC State and beyond, we endeavor to

- Use **sustainable** and/or **recyclable** soft materials that (*i*) can be functionalized and (*ii*) do not accumulate on land or sea.
- Find new routes by which to remove CO₂ from atmospheric emissions to mitigate global climate change.
- Identify innovative ways in which we can improve the efficiency of soft materials in barrier and energy-intensive technologies.
- Develop self-sterilizing polymers that can inactivate a broad spectrum of infectious microbes, esp. bacteria, viruses and fungi.

