

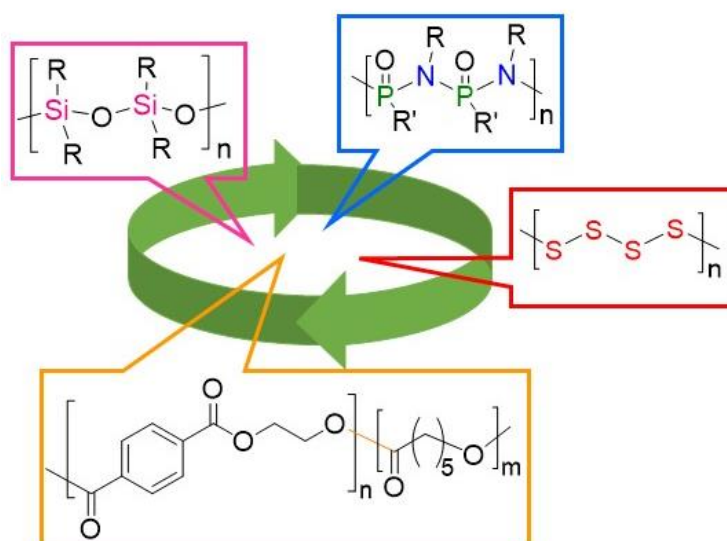
Synthesizing a Circular Economy

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The Leitao lab and collaborators are working to create safe-by-design materials that fall within modern standards of product stewardship and circularity. Our team aims to take a Green Chemistry¹ approach by using waste streams to replace and remediate chemicals of high concern as well as synthesize molecules and materials with their end of life in mind. Our research brings together interdisciplinary expertise from synthetic chemistry, engineering, as well as social and environmental sciences. In the seminar, recent results from our ongoing projects will be discussed, including our efforts to synthesize a new class of P-N polymers,² to generate cross-linked polysulfide³⁻⁵ sorbents⁶ for remediation,⁷ and to repurpose plastic waste⁸ while installing biodegradability as a design feature.



References

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