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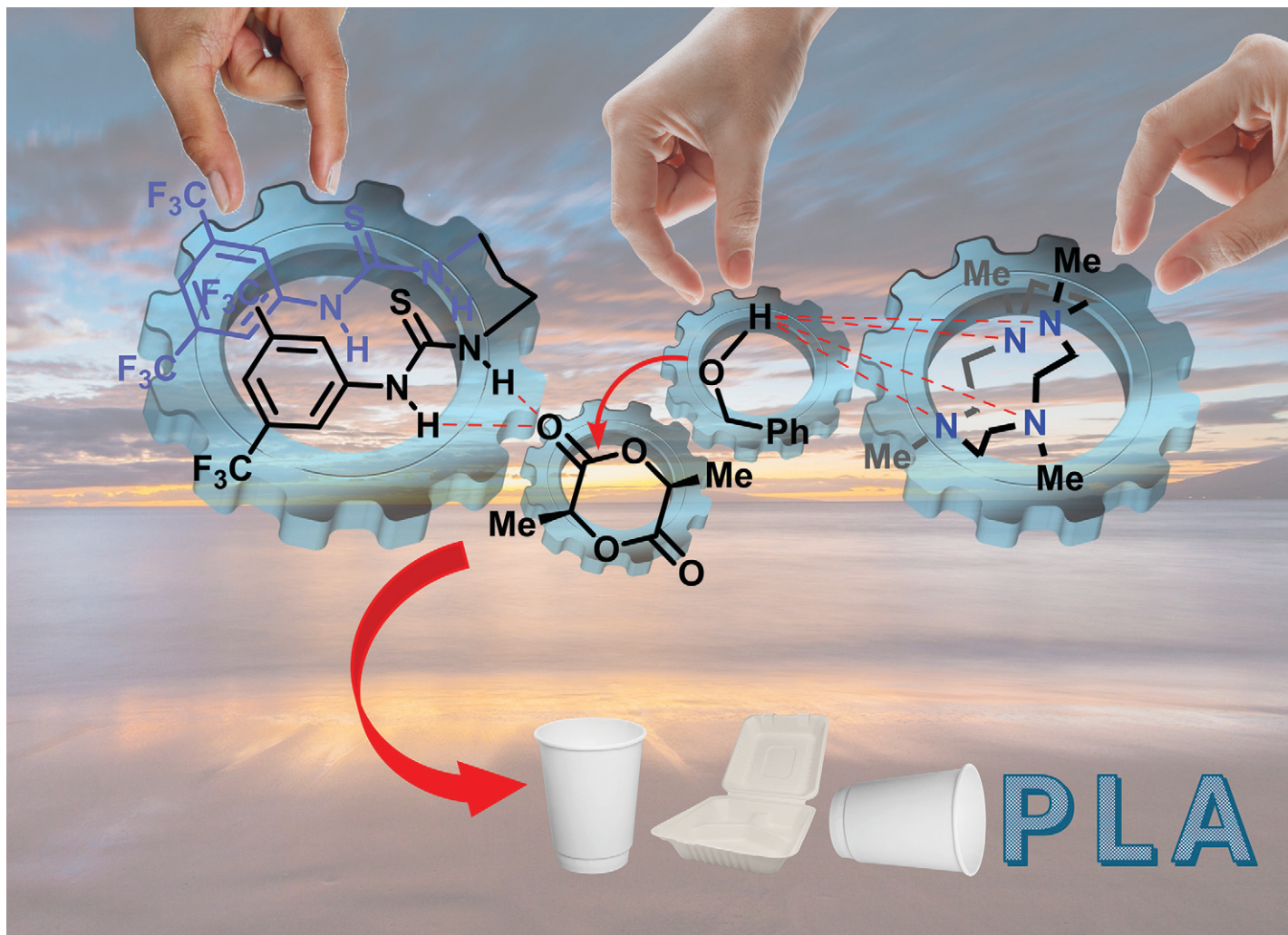
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Showcasing research from Professor Mazzeo and Della Sala's laboratories, Department of Chemistry and Biology "A. Zambelli", University of Salerno, Italy.

Bis-thiourea and macrocyclic polyamines as binary organocatalysts for the ROP of lactide

Co-operation may be the secret of success in catalysis. Bicomponent organic catalysts formed by bis-thiourea and macrocyclic polyamines proved efficient binary organocatalysts for the ROP of lactide. The synergy among the nitrogen atoms of polyamines in the activation of the hydroxyl group of the polymeric growing chain, favoured by opportune architectures of the macrocyclic, proved crucial for effective catalysis.

As featured in:



See Lucia Caporaso, Giorgio Della Sala, Mina Mazzeo *et al.*, *Catal. Sci. Technol.*, 2025, **15**, 71.