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DIPARTIMENTO DI CHIMICA,
MATERIALI E INGEGNERIA CHIMICA
GIULIO NATTA

Green shades in organic synthesis

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Introduction, prof. **Gianvito Vilé** (Politecnico di Milano, DCMIC)

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[Registration Form](#)

Our research program is mainly committed to the definition of efficient and sustainable synthetic tools by combining the development of several crucial areas of investigation: i) use of safer reaction media (such as water, azeotropes or bio-based reaction media), ii) preparation and use of heterogeneous recoverable and reusable catalytic systems based on supports tailor-made for their use in greener reaction media; iii) definition of flow reactors able to allow the recovery of products with minimal waste production.[1]

Our recent efforts have been directed for the definition of effective and sustainable approaches for the activation C–H inert bonds and access highly functionalized heterocyclic systems

An overview of the different interlinked approaches developed in our laboratory will be presented in this contribution.



References:

[1] Some recent examples L. Vaccaro et al: *Chem.* 2022, DOI: 10.1039/D2GC03579K; *ChemSusChem*, 2022, 15, e202102736; *Green Chem.* 2022, 24, 325-337; *Adv. Energy Mat.* 2022, 12, 2103362ACS *Sus. Chem. Eng.* 2022, 10, 12386-12393; *ACS Sus. Chem. Eng.* 2022, 10, 9123-9130; *Green Chem.* 2021, 23, 3588-3594; *Green Chem.* 2021, 23, 490-495 Outstanding article; *ACS Sus. Chem. Eng.* 2021, 8, 5740-5749; *ACS Sus. Chem. Eng.* 2021, 9, 12196-12204; *ChemSusChem* 2021, 14, 3359-3366, *ACS Sus. Chem. Eng.* 2021, 9, 9604-9624; *ACS Sus. Chem. Eng.* 2021, 9, 9508-9540; *Green Chem.* 2021, 23, 7210-7218; *Green Chem.* 2021, 23, 6576-6582; *Green Chem.* 2021, 23, 5887-5895.

More info: www.cmic.polimi.it