

PHOSPHORUS - ORIENTED METHOD DEVELOPED & TOTAL SYNTHESIS

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The lecture will describe the design, development and applications of new synthetic methods based upon phosphorus(V) reagents and catalysts. Topics will include catalytic halogenation, hydroxyl activation and the total synthesis of polychlorinated and trimeric phenol-derived natural products.

Representative references -

Beddoe RH, Andrews KG, Magne V, Cuthbertson JD, Saska J, Shannon-Little AL, Shanahan SE, Sneddon HF, Denton RM *Science* **2019**, 365, 910

Saska J, Lewis W, Paton R, Denton RM *Chem. Sci.* **2016**, 7, 7040

Denton RM, An J, Adeniran B, Blake AJ, Lewis W, Poulton AM *J. Org. Chem.* **2011**, 76, 6749