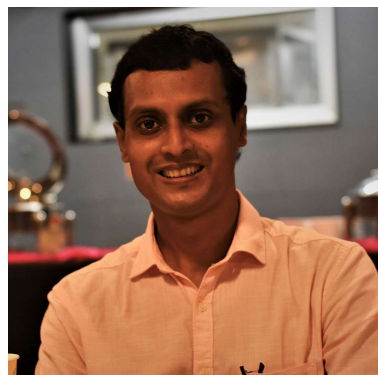


Dr. Debabrata Maiti, FRSC, FASc

- Institute Chair Professor
- Department of Chemistry
- Indian Institute of Technology Bombay



Education and Career



M. Sc., IIT Bombay
2001-2003



Ph.D., Johns Hopkins University
Supervisor- **Professor Kenneth D. Karlin**
(2003-2008)



Postdoctoral Fellow, Massachusetts Institute of Technology
Professor Stephen L. Buchwald (2008-2010)



2010-present
Professor, IIT Bombay



Dr. Maiti group:

- 2 Post doctoral fellows
- 18 PhD students

Awards and Honors:

- Shanti Swarup Bhatnagar Awardee in Chemical Sciences, 2022
- FASc, Fellow of Academy of Sciences – 2022
- CRSI Bronze Medal – 2022
- Humboldt Research Fellowship for Experienced Researchers – 2020
- FRSC, Fellow of the Royal Society of Chemistry – 2019
- Visiting Faculty, WRHI, Tokyo Institute of Technology, Japan – 2020
- Visiting Faculty, CAPES, Federal University of Minas Gerais, Brazil – 2020
- Visiting Faculty, University of Pavia, Italy - 2017

Editorial appointments:

- Editor-in Chief, *Synlett*
- Associate Editor, *The Journal of Organic Chemistry* 2017-Present
- Editorial Board Member- Chemistry – *A European Journal* 2019-Present
- Academic Advisory Board, *Advanced Synthesis and Catalysis* 2021-Present
- Editorial Board, *Tetrahedron-Chem*

Research Interests:

- Metal catalyzed C-H Functionalization
- Bio-inspired catalysis
- Photocatalysis
- Heterocycle synthesis
- Metal mediated defunctionalization and Electrochemistry



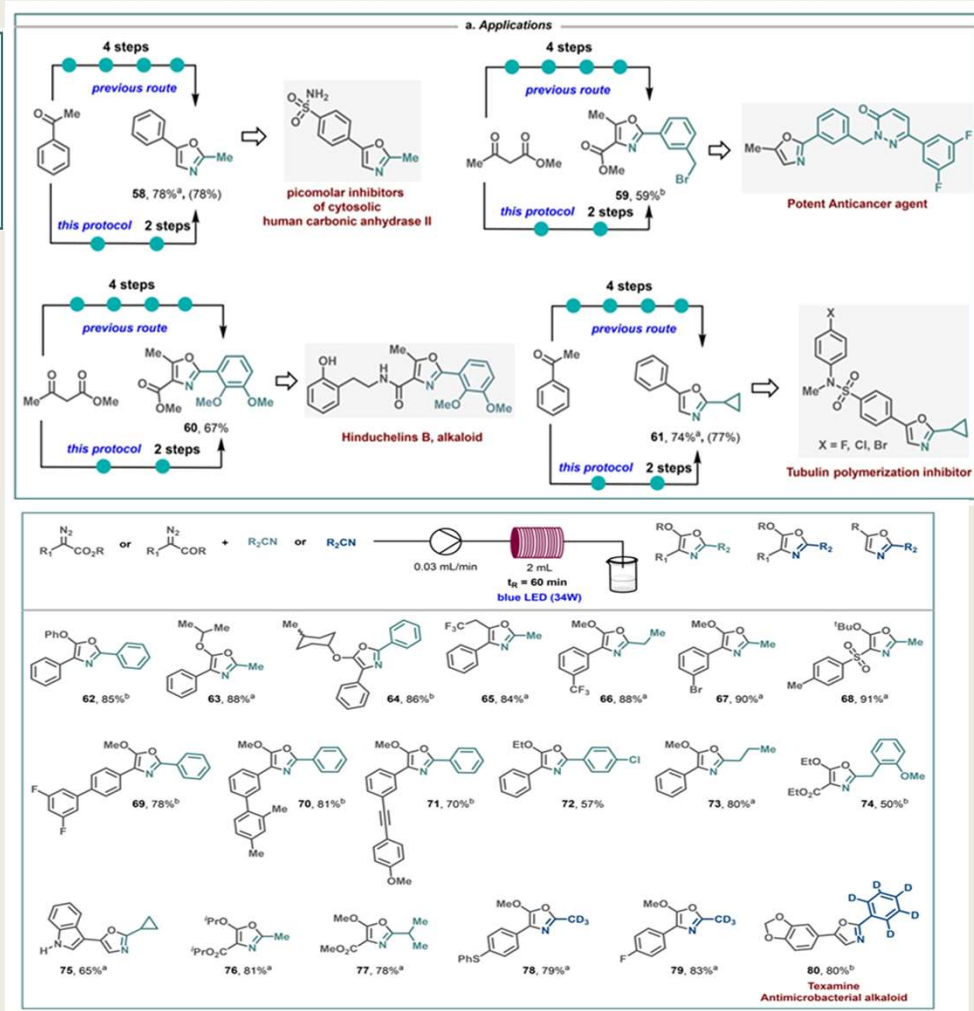
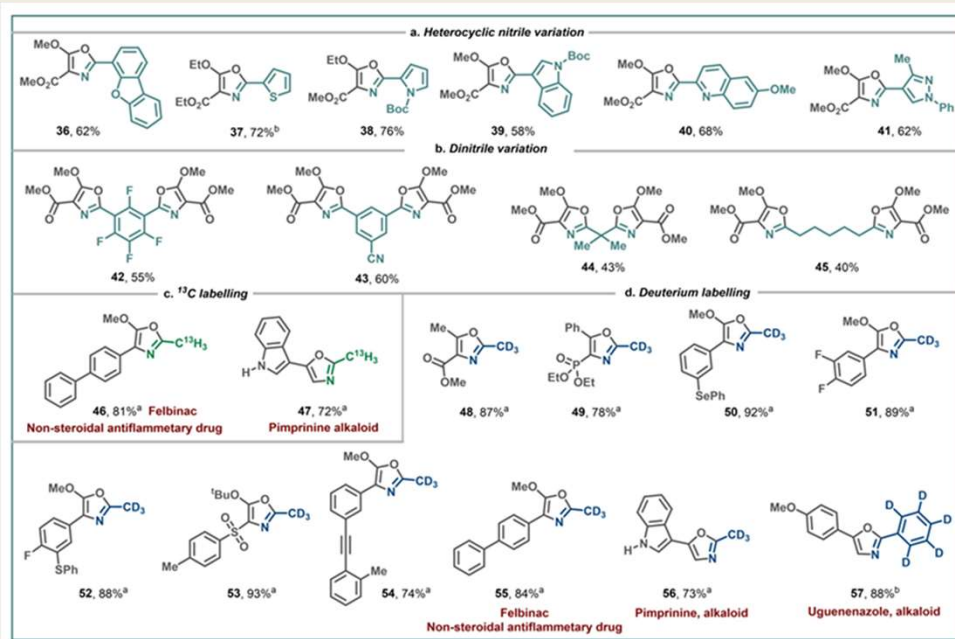
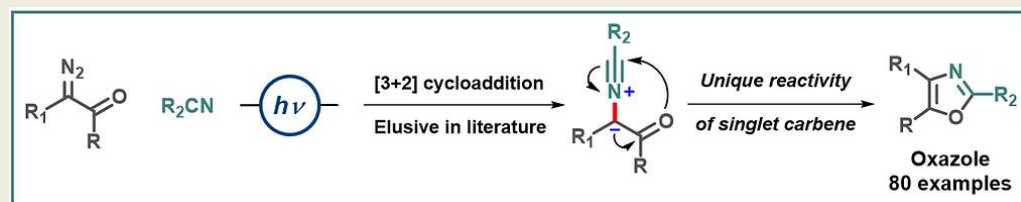
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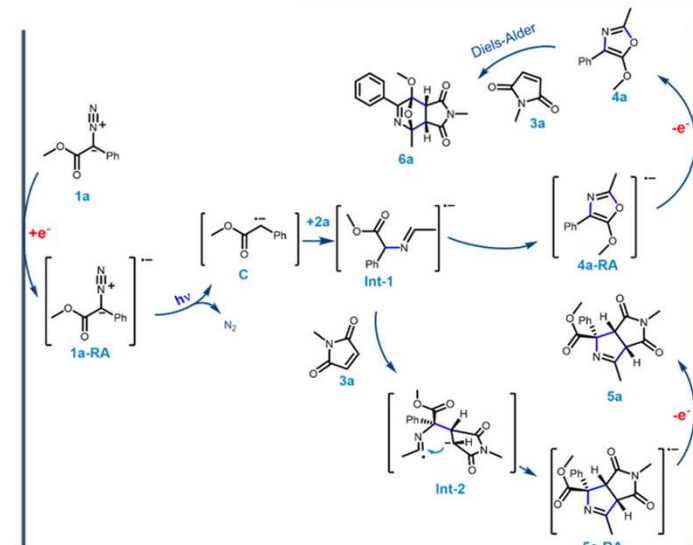
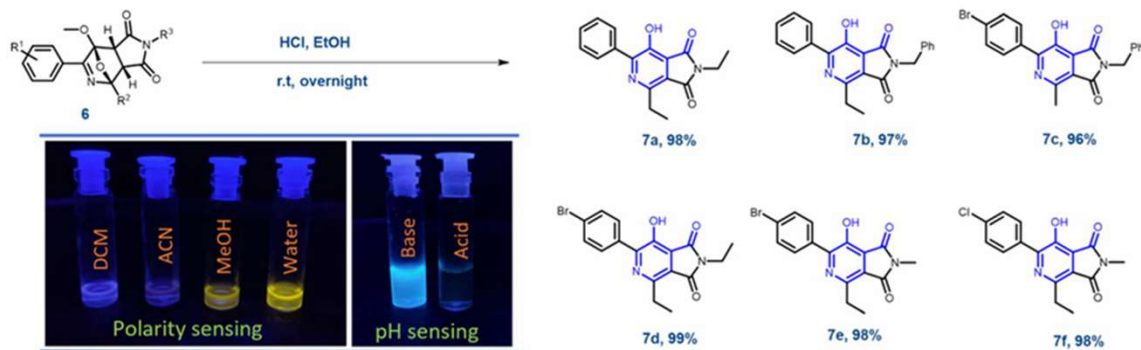
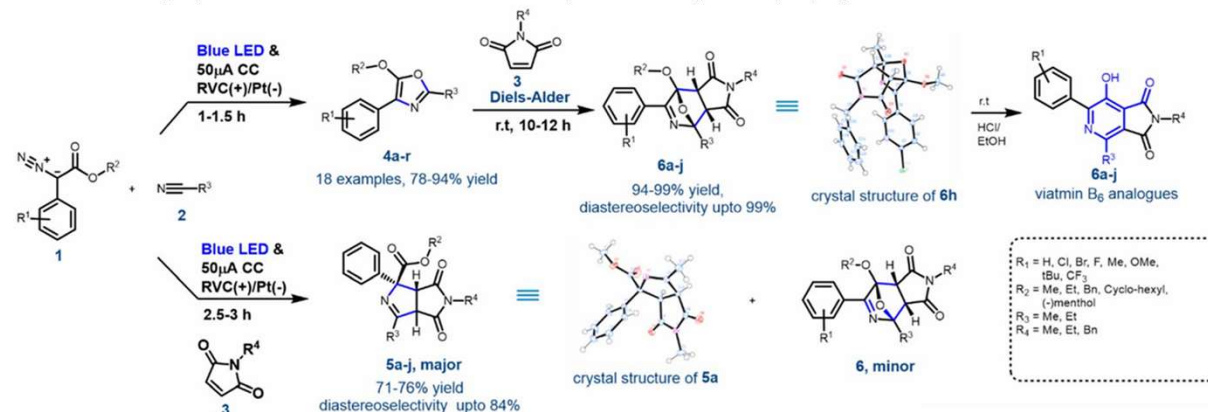
Total Publication: 243

Photoinduced [3+2] Cycloaddition of Carbenes and Nitriles: A Versatile Approach to Oxazole Synthesis



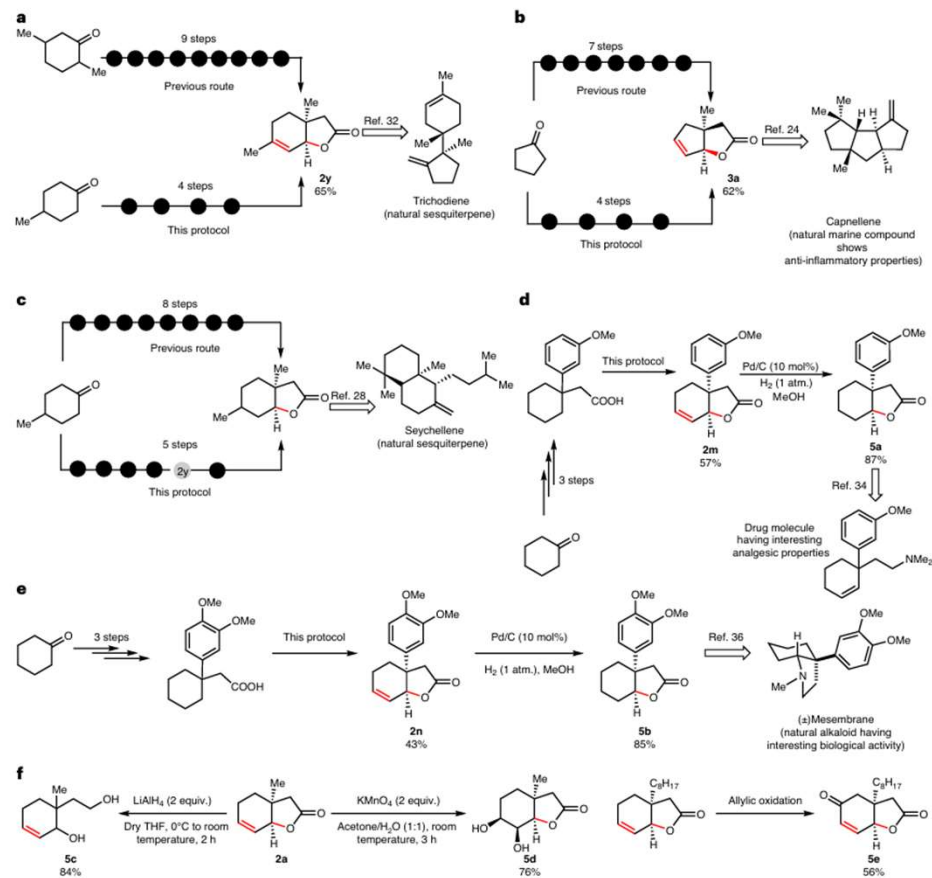
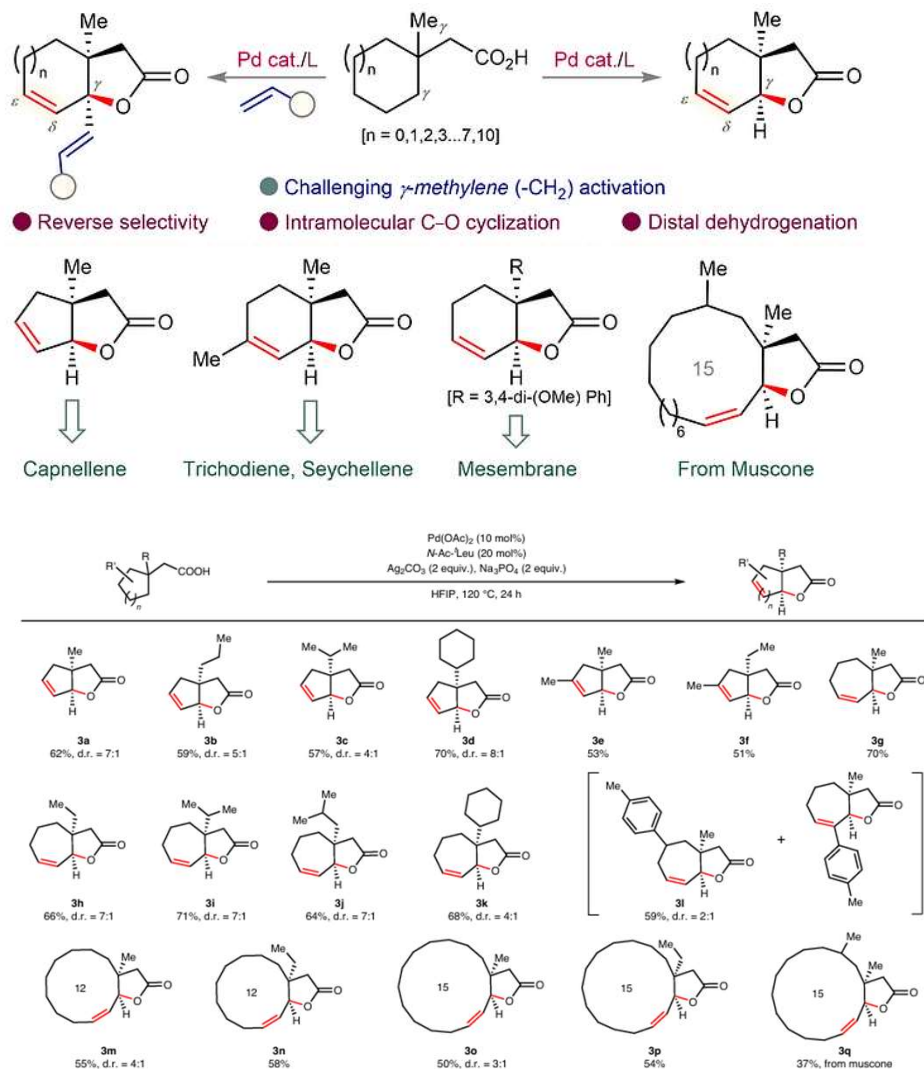
- Angew. Chem.Int. Ed.2023, 62, e20230891 (ref)

Unveiling catalyst-free electro-photochemical reactivity of aryl diazoesters and facile synthesis of oxazoles, imide-fused pyrroles and tetrahydro-epoxy-pyridines via carbene radical anion



- Chem. Sci., 2023, 14, 6216 (ref)

Access to Unsaturated Bicyclic Lactones by Overriding Conventional C(sp³)-H Site Selectivity



Nature Chemistry volume 15, pages 1626–1635 (2023)