

LIST OF PUBLICATIONS

2025

- ❖ Abiotic Aldol Reactions of Formaldehyde with Ketoses and Aldoses – Implications for the Prebiotic Synthesis of Sugars by the Formose Reaction. Sutton, S.S.; Pulletikurti, S.; Lin, H.; Krishnamurthy, R.*; Liotta, Ch. L.* *CHEM*, 2025, doi: 10.1016/j.chempr.2025.102553.

2024

- ❖ Protocol for Preparing Cyclic-Phospholipid Decanoate and Glyceryl-didecanoate-phosphate Containing Vesicles. Kollery, V. S.; Pulletikurti, S.; Deniz, A. A.; Krishnamurthy, R.* *Star Protocols*, 2024, 5, 103283.
- ❖ Experimentally Modelling the Emergence of Prebiotically Plausible Phospholipid vesicles. **Pulletikurti, S.**; [§] Kollery, V. S.; [§] Yadav, M.; Deniz, A. A.; Krishnamurthy, R.* *CHEM*, 2024, 10, 1839-1867. doi: 10.1016/j.chempr.2024.02.007 ([§]Authors contributed equally; *Corresponding author).

2022

- ❖ Synthesis and Hydrolytic Stability of Cyclic Phosphatidic Acids: Implications for Synthetic- and Proto-cell Studies. Egas, V. O; **Pulletikurti, S**; Kollery, V. S.; Krishnamurthy R.*. *Chem. Commun.* 2022, 58, 6231.
- ❖ Prebiotic Synthesis of α -Amino Acids and Orotate from α -Ketoacids Potentiates Transition to Extant Metabolic Pathways. **S. Pulletikurti**[§], M. Yadav[§], R. Krishnamurthy*. *Nat. Chem.* 2022, 14, 1142. ([§]Authors contributed equally; *Corresponding author).
- ❖ Cyanide as a Primordial Reductant enables a Protometabolic Reductive Glyoxylate Pathway. M. Yadav[§], **S. Pulletikurti**[§], J. R. Yerabolu, R. Krishnamurthy*. *Nat. Chem.* 2022, 14, 170. ([§]Authors contributed equally; *Corresponding author).

2021

- ❖ Synthesis of Polycycles and Oxacycles by Tandem Metathesis of endo–norbornene Derivatives. S. Kotha*, **S. Pulletikurti**, Fatma, A., Dhangar, G., and Naidu, G. S. *Synthesis* 2021, 53, 1931. (*Corresponding author).

2020

- ❖ Synthetic approach to oxa-triquinanes via olefin metathesis as a key step. S. Kotha* and **S. Pulletikurti**. *Indian J. Chem. Sect. B* **2020**, 59, 1868. (*Corresponding author).
- ❖ Synthesis of spiro-annulated cyclobutane derivatives through ketene [2+2] cycloaddition and ring-rearrangement metathesis. S. Kotha* and **S. Pulletikurti** *Indian J. Chem. Sect. B* **2020**, 59, 1875. <http://nopr.niscair.res.in/handle/123456789/55774>. (*Corresponding author).
- ❖ Lewis acid-mediated synthesis of indalozidine derivatives. S. Kotha* and **S. Pulletikurti** *Heterocycles*, **2020**, 101, 717. (*Corresponding author).

2019

- ❖ A metathetic approach to [5/5/6] aza-tricyclic core of dendrobine, kopsanone and lycopalhine A type of alkaloids. S. Kotha* and **S. Pulletikurti** *Synthesis* **2019**, 51, 3981. (*Corresponding author).
- ❖ Ring-opening metathesis of *N*-alkenyl β -lactams. S. Kotha*, **S. Pulletikurti** and Y. Dommaraju *Heterocycles*. **2019**, 98, 79. (*Corresponding author).

2018

- ❖ Synthesis of propellanes containing a bicyclo[2.2.2]octene unit via the Diels–Alder reaction and ring-closing metathesis as key steps. S. Kotha* and **S. Pulletikurti** *RSC Adv.*, **2018**, 8, 14906. (*Corresponding author).