

## List of Publications

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1. **Anil K. Khatana**, Vikram Singh, Manoj K. Gupta, Bhoopendra Tiwari. A highly efficient NHC-catalyzed aerobic oxidation of aldehydes to carboxylic acids. *Synthesis* **2018**, *50*, 4290-4294.
2. Vikram Singh, Ram Subhawan Verma, **Anil K. Khatana**, Bhoopendra Tiwari. Construction of phenanthrenes and chrysenes from  $\beta$ -bromovinylarenes *via* aryne Diels-Alder reaction/aromatization. *J. Org. Chem.* **2019**, *84*, 14161-14167.
3. Atanu Bhaumik, Tazeen Azaz, Vikram Singh, **Anil K. Khatana**, Bhoopendra Tiwari. Carbene/Base-Mediated Redox Alkenylation of Isatins using  $\beta$ -Substituted Organoselenones and Aldehydes. *J. Org. Chem.* **2019**, *84*, 14898-14903.
4. Saumya Verma, Puneet Kumar, **Anil K. Khatana**, Dinesh Chandra, Ajay K. Yadav, Bhoopendra Tiwari, Jawahar L. Jat. Zinc(II)-catalyzed synthesis of secondary amides from ketones *via* Backmann rearrangement using hydroxylamine-*O*-sulfonic acid in aqueous media. *Synthesis* **2020**, *52*, 3272-3276.
5. Ram Subhawan Verma, **Anil K. Khatana**, Monika Mishra, Shailesh Kumar, Bhoopendra Tiwari. Access to enantioenriched 4-phosphorylated  $\delta$ -lactones from  $\beta$ -phosphorylenones and enals *via* carbene organocatalysis. *Chem. Commun.* **2020**, *56*, 7155-7158.
6. Eqvinshi Yadav, **Anil K. Khatana**, Sharol Sebastian, Manoj K. Gupta. DAP derived fatty acid amide organogelators as novel carrier for drug incorporation and pH-responsive release. *New J. Chem.* **2021**, *45*, 415-422.
7. **Anil K. Khatana**, Vikram Singh, Manoj K. Gupta, Bhoopendra Tiwari. A Facile Access to 3,6-Disubstituted  $\alpha$ -Pyrone via Carbene Catalyzed Formal [4+2] Annulation of  $\alpha$ -Chloroaldehydes and  $\gamma$ -Keto Sulfones. (*Manuscript under preparation*).