

LIST OF PUBLICATIONS

RESEARCH ARTICLES

1. **Bhanderi K. D.;** Ghalsasi, P. S.; Inoue, K. Nonconventional driving force for selective oxidative C-C coupling reaction due to concurrent and curious formation of Ag^0 : *Sci. Rep.* **2021**, *11* (1), 1-11. (ISBN 2045-2322)
2. Ghalsasi, P. S.; **Bhanderi K. D.;** Thomas, S. Investigation of oxidation of Hydroxymethylfurfural using $[\text{Ag}(\text{NH}_3)_2]^+$: unresolved oxidizing agent for oxidation of hetero-aromatics. (*Manuscript under preparation*)
3. Ghalsasi, P. S.; **Bhanderi K. D.** Understanding Interdisciplinary Nature of Tollen's Test: Aldehyde Detection and Nanoparticle Formation. (*Manuscript under preparation*)
4. **Bhanderi K. D.;** Ghalsasi, P. S. Selective silver staining over substrate and preparation of Silver coated conductive substrate using $[\text{Ag}(\text{NH}_3)_2]^+$ complex by Modifying Sublimation methodology. (*Manuscript under preparation*)
5. Ajmeri, A. A.; **Bhanderi K. D.** Synthesis of azetidin-2-ones derived from 7-acetoxy-3-amino-2h-1-benzopyran-2-one: *Indian J. Heterocycl. Chem.* **2015**, *24* (3), 367-370. (ISBN 01971-1627) (**Publication through collaborative work - not as a part of Thesis**)

PATENTS

- 1) Ghalsasi, P. S.; **Bhanderi, K. D.** Microscopic cavity to macroscopic Surface for asymmetric Synthesis. Indian Patent; 362870 (Granted) Application no. 201721039245 A, 24/03/2021.

Date of Filling: 03/11/2017
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Granting date: 24/03/2021
Inventor: Ghalsasi, P. S., **Bhanderi, K. D.**

- 2) Ghalsasi, P. S., **Bhanderi, K.B.** C-C oxidative coupling of phenols and its derivatives mediated by silver ammonia complex. Indian Patent; 333913 (Granted) Application no. 201621005382 A, 04/03/2020.

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