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**Ph.D. thesis title:** “Synthesis and Bioevaluation of Benzimidazoles, their Nucleosides and Stability Study of Nucleotide Prodrugs”

**Duration of research work:** Oct. 2010- Sept. 2015

**Publications earned during your tenure:**

- 1) **Vyankat A. Sontakke**, Pravin P. Lawande, Anup N. Kate, Ayesha Khan, Rakesh Joshi, Anupa A. Kumbhar and Vaishali S. Shinde;\* Antiproliferative Activity of Bicyclic Benzimidazole Nucleosides: Synthesis, DNA-Binding and Cell Cycle Analysis, *Org. Biomol. Chem.* **2016**, 14, 4136.
- 2) **Vyankat A. Sontakke**, Anup N. Kate, Sougata Ghosh, Piyush More, Rajesh Gonnade, Navanath M. Kumbhar, Anupa A. Kumbhar, Balu A. Chopade and Vaishali S. Shinde;\* Synthesis, DNA Interaction and Anticancer Activity of 2-Anthryl Substituted Benzimidazole Derivatives, *New J. Chem.* **2015**, 39, 4882.
- 3) **Vyankat A. Sontakke**, Vaishali S. Shinde, Harri Lönnberg and Mikko Ora;\* Synthesis and Stability of Nucleoside 3',5'-Cyclic Phosphate Triesters Masked with Enzymatically and Thermally Labile Phosphate Protecting Groups, *Eur. J. Org. Chem.* **2015**, 389.
- 4) **Vyankat A. Sontakke**, Sougata Ghosh, Pravin P. Lawande, Balu A. Chopade and Vaishali S. Shinde;\* A Simple, Efficient Synthesis of 2-Aryl Benzimidazoles Using Silica Supported Periodic Acid Catalyst and Evaluation of Anticancer Activity, *ISRN Org. Chem.* **2013**, Article ID 453682, 1-7.

**Current Position:** Nucleic acid chemist at Okinawa Institute of Science and Technology, Okinawa, Japan