List of Publications Arising from the Thesis

Journal

1. **Wadhawan S**, Gautam S, Sharma A. Involvement of Proline Oxidase (PutA) in Programmed Cell Death of *Xanthomonas.* PLoS ONE, 2014, 9(5):e96423.

2. **Wadhawan S**, Gautam S, Sharma A. Bacteria undergo programmed cell death upon low dose gamma radiation exposure. Int.J.Curr.Microbiol.App.Sci. 2014, 3(12):276-283.

3. **Wadhawan S**, Gautam S, and Sharma A. A component of gamma radiation induced cell death in *E. coli* is programmed and interlinked with activation of caspase-3 and SOS response. Archives of Microbiology, 2013, 195(8):545-57.

4. **Wadhawan S**, Gautam S, and Sharma A. Metabolic stress induced programmed cell death in *Xanthomonas*. FEMS Microbiology Letters, 2010, 312(2): 176-183.

Chapter(s) in Book

1. Sharma A, Gautam S., and **Wadhawan S**. *Xanthomonas*. In: Batt, C.A., Tortorello, M.L. (Eds.), Encyclopedia of Food Microbiology, vol 3. Elsevier Ltd, Academic Press, pp. 811–817.

BARC Newsletter

1. **Wadhawan S,** Gautam S., and Sharma, A. Radiation induced cell death in bacteria is partially programmed. BARC Newsletter. Oct. 2013, 348-354.

Conferences

- **Wadhawan S,** Gautam S., and Sharma, A. Does UV radiation induce programmed cell death in *E. coli*? Life Science Symposium on "Advances in Microbiology of Food, Agriculture, Health and Environment", NPCIL, Mumbai, Feb. 2015.

- **Wadhawan S,** Gautam S., and Sharma, A. Radiation induced cell death in bacteria is partially programmed. XXXVI All India Cell Biology Conference and International Symposium on "Stress Adaptive Response and Genome Integrity (SARGI)", Mumbai, Oct. 2012, 130 ***(Best poster award)*****.**

- Sharma A, Gautam S, and **Wadhawan S.** Reactive oxygen species: Role in bacterial Programmed Cell Death. The International conference SFRR 2011, Recent Trends in Therapeutic Advancement of Free Radical Science, Chennai, Jan. 2011, 44.

- **Wadhawan S,** Gautam S, and Sharma A. Involvement of oxidative stress during programmed cell death in *Xanthomonas*. Proceedings of "50th Annual Conference of Association of Microbiologists of India (Third Golden Era of Microbiology)" Pune, Dec. 2009, 175.

- **Wadhawan S,** Gautam S, and Sharma A. Role of PutA (proline oxidase) in programmed cell death (PCD) of stressed *Xanthomonas campestris* cells. Abstract accepted for poster presentation in the 6th Congress of European Microbiologists (FEMS 2015) to be held in Maastricht, the Netherlands in June, 2015.