

Dr. Y.K. Jaiswal (born on January 30, 1961 at Varanasi, UP, India) did B.Sc. (1979), M.Sc. (1981) and Ph.D. (1988) from Banaras Hindu University, Varanasi, UP, India. He qualified CSIR-JRF NET examination in 1985. He joined as Lecturer in 1988 in the School of Studies in Biochemistry. He was awarded a special Post-doctoral fellowship by the Rockefeller Foundation (USA) and worked at the Centre for Biomedical Research, The Population Council, New York (USA) between 1992 to 1994 in the area of Reproductive Immunology. He was appointed as Reader 1996 and subsequently as Professor in 2004. Dr. Jaiswal received ARTA International Awards for Research Achievement/Lecturership during ARTA International Conference held at Innsbruck (Austria) in 1994. He also received Dr. Vishwanath Best Young Author Award during 2<sup>nd</sup> Asian Oceanic Conference of Andrology held at Chandigarh (India) in 1996. Best Science Research Award (Under Teacher's Category) for contribution in Science was given to him on National Science Day in 2009 at Gwalior (India).

Dr. Jaiswal's research interests lie broadly in the area of Molecular Biology, Reproductive Immunology and Cancer Biology. Currently, he is working on a crucial social issue related to Bacterial Endotoxin induced early pregnancy loss and infertility in a mouse model. He is also looking after to find out a safe remedy to resolve this social issue. He has successfully completed five research projects sponsored by Rockefeller Foundation, USA, AICTE, CSIR and ICMR, New Delhi and at present, he is handling two major research projects sponsored by MPCST, Bhopal and ICMR, New Delhi. He has supervised a number of Ph.D. and M.Phil students. Currently, a number of research students are working under his supervision. Dr. Jaiswal has published several research papers in the Journals of International and National repute. He has also contributed five chapters in different books and has delivered lectures in a number of national and international conferences. He has organized conferences and workshops in the University. At present, Dr. Jaiswal has been nominated as a DBT representative in the Institutional Biosafety Committee constituted at Bundelkhand University, Jhansi, UP.

***Selected Publications:***

1. Agrawal, V., Jaiswal, M.K. and **Jaiswal, Y.K.** Lipopolysaccharide induces alterations in ovaries and serum level of progesterone and 17 $\beta$ -estradiol in the mouse. *Fertility and Sterility* (DOI 10.1016/j.fertnstert.2010.08.046) (2010)
2. **Jaiswal, Y.K.**, Jaiswal, M.K., Agrawal V. and Chaturvedi, M.M. Bacterial Endotoxin (LPS) Induced DNA damage in Preimplanting Embryonic and Uterine Cells Inhibit Implantation. *Fertility and Sterility* 91(5 Sup): 2095-2103 (2009)
3. Agrawal V., Jaiswal M.K., Chaturvedi M.M., Tiwari D.C., and **Jaiswal Y.K.** Lipopolysaccharide Alters the Vaginal Electrical Resistance in Cycling and Pregnant mice. *American Journal of Reproductive Immunology* 61(2): 158-166 (2009)
4. Pathak, C., **Jaiswal, Y.K.** and Vinayak, M. Queuine promotes antioxidant defense system by activating cellular antioxidant enzyme activities in cancer. *Bioscience Reports* 28(2): 73-81 (2008)
5. Pathak, C., **Jaiswal, Y.K.** and Vinayak, M. Modulation in the activity of lactate dehydrogenase and level of c-Myc and c-Fos by modified base queuine in cancer. *Cancer Biology & Therapy* 7(1): 85-91 (2008)