Publications during last Five Years:

1. Pradeep K. Sharma, Richa Bhardwaj, Bilikere S. Dwarakanath, Rajeev Varshney. Metabolic oxidative stress induced by a combination of 2-DG and 6-AN enhances radiation damage selectively in malignant cells via non-coordinated expression of antioxidant enzymes. Cancer Letters (2010) 295:154–166.

2. Richa Bhardwaj*, Pradeep Kumar Sharma*, Suryaprakash Singh Jadon, Rajeev Varshney. A combination of 2-deoxy-D-glucose and 6-aminonicotinamide induces oxidative stress mediated selective radiosensitization of malignant cells via mitochondrial dysfunction. Tumor Biology (2011) 32:951–964. (*contributed equally)

3. Pradeep Kumar Sharma, Bilikere Srinivasa Dwarakanath, Rajeev Varshney. Radiosensitization by 2-deoxy-D-glucose and 6-aminonicotinamide involves activation of redox sensitive ASK1-JNK/p38MAPK signaling in head and neck cancer cells. Free Radical Biology & Medicine (2012) 53:1500–1513.

4. Pradeep Kumar Sharma and Rajeev Varshney. 2-Deoxy-D-Glucose and 6-aminonicotinamide mediated Nrf2 down regulation leads to radiosensitization of malignant cells via abrogation of GSH-mediated defense. Free Radical Research (2012)46:1446-1457.

5. Richa Bhardwaj, Pradeep K. Sharma, S. P. S. Jadon, Rajeev Varshney. A combination of 2-deoxy-D-glucose and 6-aminonicotinamide induces cell cycle arrest and apoptosis selectively in irradiated human malignant cells. Tumor Biology (2012) 33:1021–1030.

6. Rachna Sharma, Ved Varun Agrawal, Pradeep Sharma, R Varshney, R K Sinha, B D Malhotra. Aptamer based electrochemical sensor for detection of human lung adenocarcinoma A549 cells. Journal of Physics: Conference Series 358 (2012) 012001 doi:10.1088/1742-6596/358/1/012001.