

CURRICULUM VITAE



Ms. DARSHANA SINGH

Assistant Professor



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Field of Specialization: Biotechnology & Radiation Biology

Joining date of R.K. (PG) College, Shamli : 07th JUNE 2022

Educational Qualifications

Examinations/Degree

Board/University

M. Sc.

Dr. BhimRao Ambedkar University, Agra

M. Phil

Defence Research and Development Organisation, Delhi

Ph. D

NET

CSIR-UGC NET-JRF, DBT-JRF

Publications (Research/Review/Lead/Book/Book Chapters/Popular Articles)

Research Papers

- 1 Perna Agarwal, **Darshana Singh**, Sheikh Raisuddin, Raj Kumar. Amelioration of ochratoxin-A induced cytotoxicity by prophylactic treatment of *N*-Acetyl-L-Tryptophan in human embryonic kidney cells. *Toxicology* 2020; 429.
- 2 Poonam Malhotra, Ashutosh K Gupta, **Darshana Singh**, Saurab Mishra, Shravan K Singh, Raj Kumar. Protection to Immune System of Mice by N-acetyl Tryptophan Glucoside (NATG) Against Gamma Radiation Induced Immune Suppression. *Mol Immunol* 2019;114:578-590
- 3 Poonam Malhotra, Ashutosh K Gupta, **Darshana Singh**, Saurab Mishra, Shravan K Singh, Raj Kumar. N-Acetyl-tryptophan Glucoside (NATG) Protects J774A.1 Murine Macrophages Against Gamma Radiation-Induced Cell Death by Modulating Oxidative Stress. *Mol Cell Biochem* 2018;447(1-2):9-19
- 4 Poonam Malhotra, **Darshana Singh**, Raj Kumar. In Vitro Stimulatory Effect of N-acetyl Tryptophan-Glucopyranoside Against Gamma Radiation Induced Immunosuppression. *Environ Toxicol* 2018;33(3):305-314
- 5 Poonam Malhotra, Yana Karamalakova, Galina Nikolova, **Darshana Singh**, Raj Kumar. Electron Paramagnetic Resonance Spectrometry-Based Assessment of Free Radicals Scavenging Potential of N-Acetyl Tryptophan Glucoside. *DLSJ* 2017, 2, 317-326.

Conferences, Training and Online Courses

1. **Darshana Singh**, Manish Adhikari, Poonam Malhotra, Ashutosh K Gupta, Neha Chhhachhia, Shravan K Singh, Raj Kumar. Evaluation of *in vivo* radioprotective efficacy of bacterial secondary metabolite RK-IP-006 against lethal doses of gamma radiation. **Poster presented at; International Conference on Radiation Biology (ICRB).**

2. Attended National Conference on Alternatives to Animal Experiments held at Jamia Hamdard, New Delhi

3. Successfully completed hands on training of BD FACSOrient (BD FACSCanto II); A course in Flow cytometry at BD-JH FACS Academy, New Delhi

Additional information (if Any)

1. Cleared Joint CSIR-UGC NET-JRF examination in Life Sciences

2. Cleared DBT-JRF in Biotechnology and Applied Biology

3. Cleared GATE examination in Biotechnology
