CURRICULUM VITAE

Name: Sonu Singhal

Designation/Role: PhD. in Biotechnology (Scholar of 2018-2022 Batch)

Contact no.: +91-8527477894

Email: researchbiotech18@gmail.com

Total Teaching Experience: **6+ months (BSc. Biotechnology Students).**

Address: 523G/F, Asola Extension, Fatehpur Beri, New Delhi. 110074.

Career Objective

*I am looking for a **Faculty position** to trend the graduate student in Biochemistry, Biotechnology and Molecular Biology. To work in a stimulating environment where I can effectively contribute my skills as **Teacher/Professor** and utilize my extensive knowledge and efforts to student's educational needs and development. To build career in growing organization, where I can get the opportunities to prove my abilities by accepting the challenges, fulfilling the organization goals and climb the career ladder through continuous learning and commitment.*

Academic Qualifications

- PhD. in Biotechnology (Thesis Submitted) from Banasthali Vidyapith, Rajasthan (Session: 2018-2022).
- MSc. in Biotechnology (8.53) from Banasthali Vidyapith, Rajasthan (Session: 2016-2018).
- BSc. in Biochemistry (68.83%) from Delhi University, Delhi (Session: 2013 - 2016).

Thesis title:** ***A STUDY ON ROLE OF GAP JUNCTION PROTEIN CONNEXINS IN SKIN CANCER

Professional Experience

- Taught *Biotechnology* at Banasthali Vidyapith, Jaipur as a Faculty from July 2019 to December 2019.

Research Publications

- **Sonu Singhal**, Shreshtha Gaur, Rakesh Mishra and Surabhi Bajpai, 2022. Resveratrol modulates the 7, 12-dimethylbeenz[a]anthracene induced oxidative stress in skin carcinogenesis. *International Journal of Advanced Research*. 10: 473-486.
- Surabhi Bajpai*, **Sonu Singhal**[1], Shreshtha Gaur and Rakesh Mishra, 2022. Gap junction proteins, angiogenesis and inflammatory cytokines are therapeutic approach in skin cancer. *World Journal of Pharmacy and Pharmaceutical Sciences*. 11(3):481-487.
- Gaur S., **Singhal S**., Gaur S., Pandey I., Mishra R., Bajpai S., 2022. Mesalazine based topical hydrogel formulation enhances anti-oxidant and cytokine activity in wounded STZ-induced mice. *Journal of Drug Delivery and Therapeutics*. 12(20):51-57.

- **Singhal, S**., Singh, M., Singh, R.K., Tiwari, V.K. and Bajpai, S., 2021. Molecular Mechanisms Underlying Breast Cancer and Role of Plant Products in Targeted Therapy. In *Discovery and Development of Anti-Breast Cancer Agents from Natural Products*. 295-351.

- Gaur, S., Gaur, S., **Singhal, S.,** Mishra, R. and Bajpai, S. 2022. Astaxanthin ameliorates diabetic neuropathy via modulating the inflammatory cytokines in STZ induced diabetic mice. *International Journal of Advances Research*.

Dissertation Experience

- Successfully completed dissertation project on *"Radiation induced effect on different tumor cell lines*" (January 2018 - June2018) at ***DRDO INMAS,*** **Delhi.**

Professional Skills

- Have excellent communication skills to deliver the subject in an easy and effective way.
- Knowledge in utilizing all the modern teaching tools such as computers & laptops to establish an interaction with students with effectiveness.
- Conscientious and flexible young teacher well-versed in using social skills and empathy to manage student behavior; utilizes feedback from students to create compelling lesson plans that take into account the strengths and weaknesses of students.

Technical Experience

- Cell line culture, isolation of RNA and DNA.
- PCR, RT-PCR and Real time PCR
- Animal Handling
- Histopathology
- Gap junctional communication assay
- Cell Counting
- Microscopy
- Statistical Analysis

Personal Details

- Father's Name: Mr. Ugrasen Singhal
- Mother's Name: Mrs. Guddi Singhal
- Date of Birth: 02/Oct./1995
- Gender: Female
- Nationality: Indian
- Marital Status: Unmarried
- Religion: Hinduism
- Languages Known: English & Hindi (Fluent in Reading, Writing, & Speaking)

Declaration

I hereby declare that all the above information furnished in my Curriculum vitae is true to my knowledge.

Sonu Singhal