

## CURRICULUM VITAE

### **Dr. SUMIRAN SRIVASTAVA**

Assistant Professor  
Department of Biochemistry, Bundelkhand University  
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### **Career Objective:**

To obtain high level of excellence in the growth oriented research organization and to utilise myself as a resource for all kind of challenging jobs by upgrading my knowledge and skills time to time. To be the epitome of creativity, sincerity, teamwork and intellectuality.

### **Educational Qualification:**

- Ph.D. Biotechnology from Bundelkhand University, Jhansi 2022.
- M.Sc. Biotechnology from C.S.J.M. University, Kanpur in 2007.
- B.Sc from Bundelkhand University, Jhansi in 2005.
- Intermediate from U.P. Board in 2002.
- High school from U.P. Board in 2000.

### **Qualified Exam:**

- Qualified CSIR NET, June 2009.
- Qualified CRET, BHU- 2010.
- Qualified CET - U.P. Ph.d 2012 organized by Dr. Ram Manohar Lohia Abadh University, Faizabad.

### **Present Position:**

Currently working as Assistant professor in Department of Biochemistry, Bundelkhand University, Jhansi, U.P. (December 10, 2011- till date)

### **Work Experience:**

- Worked as teaching assistant in Department of Biotechnology, Bundelkhand University, Jhansi, from October 2010 to December 2011.

- Worked as a Project Assistant in Department of Zoology, University of Delhi with Dr. Rajagopal Raman on the project “**Studies on ecology and taxonomy of Whitefly, *Bemisia tabaci* in india, its symbiosis with various obligates and facultative bacterial symbionts**” from January 2010 to May 2010.
- Worked as Guest Lecturer with teaching subject Molecular Biology and Biotechnology in “Gyan Bindu Academy” from August 2007 to April 2009.

### **Major Project during M.Sc:**

Topic: “Studies on Parameters of *In vitro* regeneration in Pea (*Pisum sativum*)”

Place: Biotechnology Lab, IIPR (I.C.A.R) Kanpur.

Duration: 1 June, 2006 -31 August, 2006

Supervisor: Dr. N.P. Shingh, Senior Scientist (Plant Biotechnology)

### **Conferences/Seminar/Webinar/Symposium attended:**

- Participated and delivered oral presentation entitled “**Effect of probiotic treatment on expression of mRNA of proglucagon in gastrointestinal tract in diabetic rats**” on “Agriculture Science and Technology: challenges and Prospects (AST-2022)” organized by Rani laxmi bai central Agricultural university, Jhansi U.P, National science Academy (NESAI) , New Delhi, ICAR- Indian Grassland and Fodder Research Institute, Jhansi, U.P., ICAR- Central Agroforestry Research Institute, Jhansi, U.P held on **May 6<sup>th</sup> -8<sup>th</sup>, 2022.**
- Participated in online training on “**COVID-19 Guidelines for food handlers**” organized by Food Safety and Standards Authority of India (FSSAI) on **August 07<sup>th</sup>, 2020.**
- Participated in National webinar on “**Impact of Population Pressure on Natural Resources and environment**” organized by Academy of natural resource conservation and management (ANRCM) Lucknow, U.P. on World Population Day **July 11<sup>th</sup>, 2020.**
- Participated in International webinar on “**Unwinding Complexity of COVID-19: An In-Silico Attempt**” organized by Department of Biotechnology, Institute of Engineering & Technology, Bundelkhand University, Jhansi on **June 3<sup>rd</sup>, 2020.**
- Participated in National webinar on “**Global Lockdown-2020:Climate Change and sustainable Environmental Solution**” organized by Department of Biotechnology, Institute of Engineering & Technology, Bundelkhand University, Jhansi on **May 25<sup>th</sup>, 2020.**

- Participated in faculty development webinar on **“Dimensions and Degrees of Higher Education”** organized by TEQIP-3 Institute of Engineering & Technology, Bundelkhand University, Jhansi on **May 23<sup>rd</sup>, 2020.**
- Attended International webinar on **“Role of Host Immune System in Development of COVID-19”** organized by Department of Biomedical Sciences, Bundelkhand University, Jhansi on **May 11<sup>th</sup>, 2020.**
- Attended the on line session of **“Nucleic Acid Purification”** organized by Labroots, Florida Continuing Education on **April 30<sup>th</sup>, 2020.**
- Participated and presented oral presentation entitled *“Inhibitory effect of *Lactobacillus casei* and *Bifidobacterium bufidum* on small intestine alpha glucosidase activity”* in **Third National Conference on Emerging Synergistic Trends in Ayurvedic and Biomedical Sciences** organized by Bundelkhand University, Jhansi on **February 19<sup>th</sup> -20<sup>th</sup>, 2020.**
- Participated and presented oral presentation entitled *“Gut Microbiota play regulatory role in substrate metabolism & gastrointestinal health”* in national conference on **Science & Technology In Environmental Management**, organized by Society for green world & sustainable development, Jhansi on **February 22<sup>rd</sup>-23<sup>rd</sup>, 2020.**
- Participated and presented poster presentation entitled *“Administration of *Lactobacillus casei* & *Bifidobacterium bifidum* augments incretin level and improves glucose tolerance in diabetic rats”* in 6<sup>th</sup> world congress on **Nanomedical sciences chemistry biology interface: synergistic in new frontiers (CBISNF-2019)** organized by Jamia hamdard & University of Delhi on **January 7<sup>th</sup> -9<sup>th</sup>, 2019.**
- Participated and delivered oral presentation entitled *“Potential influence of gut microbiome and their metabolites in metabolic disorder ”* in the 2<sup>nd</sup> National conference on **“Advances in Biotechnology: An Interdisciplinary Approach”** organized by department of Biotechnology, SBSR & SET, Sharda University, Noida on **November 2<sup>nd</sup>-3<sup>rd</sup>, 2018.**
- Participated in National Symposium on **“DNA Technology & Nanotechnology: Will it change medical science in future & NABL accreditation awareness programme”** jointly organized by innovation centre & institute of Biomedical Sciences, & Smt. Vidyavati group of institutions Bundelkhand University, Jhansi on **October 01<sup>st</sup>, 2018.**
- Participated in Awareness programme on **“Intellectual property right”** jointly organized by PHD chamber of commerce and industry, New Delhi & institute of Biomedical Sciences, Bundelkhand University, Jhansi on **September 13<sup>th</sup>, 2018.**
- Participated in the National Symposium on **“Recent advances in Clinical & Pharmaceutical Sciences”** jointly organized by institute of Biomedical Sciences, Innovation centre & Smt. Vidyavati group of institutions Bundelkhand University, Jhansi on **July 06<sup>th</sup>, 2018.**

- Participated and delivered oral presentation entitled **“Oral administration of probiotics inhibiting alpha glucosidase activity and ameliorates diabetes related biochemical parameters in streptozotocin (STZ) induced Diabetic rats”** in the National conference on “Current scenario and future trends in biotechnology-Biofuturity-2018”, Organized by Department of Biotechnology and Engineering, Institute of engineering and technology, Bundelkhand University, Jhansi on **March 27-28, 2018**.
- Participated and delivered oral presentation entitled **“Incretin effect of *Lactobacillus casei* and *Bifidobacterium bifidum* is partly responsible for their antidiabetic activity in rats.”** in the national conference on “Disease and drugs: Emerging trends and challenges” organized by Department of Zoology, Zakir Husain Delhi College , University of Delhi from **January 31<sup>st</sup>- February 01<sup>st</sup>, 2018**.
- Participated and delivered oral presentation entitled **“*Lactbacillus casei* & *bifidobacterium bifidum* improves glucose tolerance & insulin sensitivity by modulating incretin hormones in diabetic rats”** in the National conference on “Recent advancements in Biotechnology and Bioengineering” organized by department of Biotechnology, SBSR& SET, Sharda University, Noida on **November 2<sup>nd</sup>-3<sup>rd</sup>, 2017**.
- Attended and delivered faculty talk on **“Management of diabetes Mellitus by using Ethanomedicinal plants of Bundelkhand region”** on awareness program on “*Brainstorming Session Cum Stakeholders Meeting on medicinal and aromatic plants initiatives in Bundelkhand Region and awareness-cum- skill development programme on cultivation, Processing and marketing of Medicinal and Aromatic Plants*” organized by Government of India, Department of Biotechnology and CSIR-Indian Institute of Integrative Medicine, Jammu in collaboration with Bundelkhand University, Jhansi on **February 17<sup>th</sup>-18<sup>th</sup>, 2017**.
- Attended Seminar on **“importance of Intellectual property right in Innovation management”** jointly organized by PHD chamber of commerce and industry, New Delhi & institute of Biomedical Sciences, Bundelkhand University, Jhansi on **May 04<sup>th</sup>, 2017**.
- Presented a poster model in National Seminar held on **“Impact of Environmental pollution on Earth”** organized by Guru Rupan Shikshan Seva Sansthan Mahavidyalaya, Jalaun Road, Orai on **November 8, 2015**.
- Attended the National Conference on **“Current Scenario and Future Trend in Biotechnology”** organized by Department of Biotechnology Engineering, Institute of Engineering and Technology, Bundelkhand University, Jhansi on **March 28<sup>th</sup>-29<sup>th</sup>, 2011**.
- Attended the Debate program entitle **“The Human Cloning: A Boon or Venom”** organized by Department of Biotechnology, Brahmanand P.G. College, Kanpur on **September 20<sup>th</sup>, 2006**.

- Attended the National Conference on “*Immunology In Health and Disease2006*” organized by Institute of Life sciences, C.S.J.M. University, Kanpur on **January 11<sup>th</sup>-12<sup>th</sup>, 2006.**
- Participated District level Model competition organized by Centre for Education Awareness research and Analysis on **2005.**

### **Workshop & Training Programme attended:**

- Participated in workshop on “**Managing Literature and Bibliographic Data Using Mendeley**” organized by PhD Research Cell Teachers’ Re-skilling Cell & Innovation Council, Bundelkhand University, Jhansi held on **May 13<sup>th</sup>, 2022.**
- Participated in online training on COVID-19 Guidelines for food handlers organized by Food Safety and Standards Authority of India (*fssai*) on **August 08<sup>th</sup>, 2020.**
- Participated in workshop on “**Hands on training in basic and applied microbiology**” organized by Department of microbiology, Bundelkhand University, Jhansi on **March 05, 2019.**
- Participated in Faculty training programme on “**Advance scientific research equipments**” organized by innovation centre, Bundelkhand University, Jhansi on **October 03<sup>rd</sup>-06<sup>th</sup>, 2018.**
- Participated as resource person in the workshop on “**Hands on practical training in Biochemistry**” Organized by Department of Biochemistry, Bundelkhand University, Jhansi on **May 12<sup>th</sup>-15<sup>th</sup>, 2018.**
- Participated in the 97<sup>th</sup> National workshop on “**Radiochemistry and Application of Radioisotopes**” jointly organized by Department of Atomic Energy (DAE) Board of research in Nuclear Science (BRNS) Indian Association of Nuclear chemist Allied Scientists (IANCAS) & Department of Chemistry, Bundelkhand University on **December 04<sup>th</sup>-09<sup>th</sup>, 2017.**
- Participated in Author workshop on “**How to write and publish Scientific articles and manuscript**” jointly organized by spinger nature and Bundelkhand University, Jhansi on **April 25<sup>th</sup>, 2017.**
- Participated in National Workshop of “**Genomics and proteomics in Biomedical research**” organized by Innovation center and Institute of Biomedical Sciences, Bundelkhand University, Jhansi on **March 17<sup>th</sup>-20<sup>th</sup>, 2016.**
- Actively Participated in workshop organized by iGroup Infotech Pvt. Ltd. at Bundelkhand University, Jhansi on **December 06<sup>th</sup>, 2014.**
- Actively Participated in workshop on “**Bioinformatics: Knowledge Discovery in Biology 2011**” organized by Department of Microbiology, Bundelkhand University, Jhansi **March 24<sup>th</sup>-25<sup>th</sup>, 2011.**

### Extra curricular activities

- Actively participated as resource person and delivered online lecture on “**Gel Electrophoresis & Real time PCR**” to The research capacity building & human resource development programme (Batch-II,2021) Module-2 funded by the University Grant Commission under STRIDE-I Bundelkhand University, Jhansi on **April 22<sup>nd</sup> & 24<sup>th</sup> 2021**.
- Actively participated **Seven Days Refresher Course** on “Implementation of National Education Policy 2020 in Higher Education” organized by Bundelkhand University Jhansi, **March 17<sup>th</sup>- 23<sup>rd</sup> 2021**.
- Actively participated one week faculty development programme (FDP) on Research and publication ethics & IPR patenting and secured **A-grade** organized by the innovation centre, Bundelkhand University, Jhansi under the University Grand Commission (UGC-STRIDE) on **September 24<sup>th</sup> -30<sup>th</sup> 2020**.
- Actively participated as resource person and delivered online lecture on “**Real Time PCR and Gel Electrophoresis**” to UGC-STRIDE funded research capacity building and human resource development programme first batch-2020 participants on **May 25<sup>th</sup> & 26<sup>th</sup> 2020**.
- Member of core committee in UGC-STRIDE (I) project, Bundelkhand University, Jhansi, dated **March 7<sup>th</sup>, 2020**.
- Actively participated as member of teacher coordination committee in Indian Space Research Organization (ISRO), Vikram Sarabhai Space Exhibition (VSSE), Ahmedabad, organized at Bundelkhand University, Jhansi on **October 18<sup>th</sup>, 19<sup>th</sup> & 20<sup>th</sup> 2019**.
- Participated as resource person in the workshop on “**Role of biochemistry in health, medicine and agriculture sector**” organized by Department of Biochemistry, Bundelkhand University, Jhansi on **November 06<sup>th</sup>, 2017**.
  
- Actively participated as Joint Secretary in national seminar on “*Role of Forensic in Disaster Victim Identification in Indian Perspective*” organized by Dr. A.P.J. Abdul Kalam Institute of Forensic Science & Criminology, Bundelkhand University, Jhansi on **March 18<sup>th</sup>-19<sup>th</sup>, 2016**.
- Actively participated as Alumni Association In charge in Alumni Meet organized by Bundelkhand University, Jhansi held on **August 14<sup>th</sup>, 2016**.
- Actively participated as Co-convener of Literary Event Committee in the inter-university Zonal Youth Festival organized by Bundelkhand University, Jhansi from **November 19<sup>th</sup>-23<sup>rd</sup>, 2015**.
- Actively participated as Joint Secretary in National seminar on “*Medicinal plants: diversity, conservation, therapeutic potential and human welfare*” organized by Department of Biochemistry, Bundelkhand University, Jhansi on **March 25<sup>th</sup>, 2015**.
- Attended the seven days faculty development programme (FDP) held at Bundelkhand University, Jhansi from **September 01<sup>st</sup>-07<sup>th</sup>, 2014**.
- Member of Board of Studies in Department of Biochemistry, Bundelkhand University from **2012-till**.

### **List of Publications**

1. **Sumiran Srivastava** and Rambir Singh. Oral Administration of *Lactobacillus casei* and *Bifidobacterium bifidum* Improves Glucagon Like Peptide-1 and Glucose-Dependent Insulinotropic Polypeptide Level in Streptozotocin Induced Diabetic Rats. 2021, 9 (2), 431-440. *Current Research in Nutrition and Food Science*.
2. **Sumiran Srivastava** and Rambir Singh. *Lactobacillus casei* and *Bifidobacterium bifidum* reduces postprandial hyperglycaemia, inhibits  $\alpha$ -glucosidase activity and improve histology of pancreatic islets in streptozotocin induced diabetic rats. 2021, 2021, 8(3), 88-93. *Chemical Biology Letters*.

### **Personal Profile:**

Father's Name	Sri. S.K Srivastava.
Date of Birth	21-07-1986
Gender	Female
Marital Status	Married
Nationality	Indian
Languages Known	English, Hindi

### **References:**

- (i) **Prof. Rajagopal Raman**  
Department of Zoology  
University of Delhi  
Contact no: 09810247069  
E-mail: [zoorajagopal@gmail.com](mailto:zoorajagopal@gmail.com)
- (ii) **Prof. Rambir Singh**  
Department Of Horticulture, Aromatic and Medicinal Plants  
Mizoram University, (A Central University)  
Aizawl, Mizoram, India  
Contact no: 09473583251  
E-mail: [shehrawat\\_r@yahoo.com](mailto:shehrawat_r@yahoo.com)

I hereby declare that the information provided aforesaid is correct and true in my understanding and knowledge.

Date: 14/05/2022

**(Dr. Sumiran Srivastava)**

Place: Jhansi