

## CURRICULUM-VITAE

**Dr. SANGEETA SINGH**

Assistant Professor

Department of Biosciences

Integral University, Lucknow, U.P., India

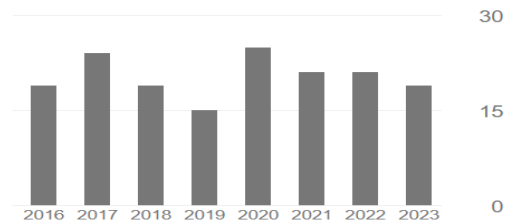
Email: [sangeeta3.singh@gmail.com](mailto:sangeeta3.singh@gmail.com), [sangeeta@iul.ac.in](mailto:sangeeta@iul.ac.in)

Mobile no: 9415521500



	All	Since 2018
Citations	289	120
h-index	9	7
i10-index	9	3

### GOOGLE SCHOLAR PROFILE



### AREA OF SPECIALIZATION:

Immunology, Autoimmunity, Diabetes and Diabetic nephropathy

### RESEARCH EXPERIENCE:

- **UGC Women Postdoctoral fellow** in the Department of Biochemistry, King George's Medical University, Lucknow, UP, on the topic "*Epigenetic analysis of candidate genes in type-2 diabetes with nephropathy: An approach towards the development of diagnostic marker*" from 1<sup>st</sup> April 2016 to 31<sup>st</sup> March 2021.
- **DST-Women Scientist (Kiran/ SoRF)**, in the Department of Biochemistry, King George's Medical University, Lucknow, UP, on the topic "Assessment of lead toxicity and its implication in children of occupational workers" Since 9 Dec 2015 to 31<sup>st</sup> March 2016.
- **Senior Project Associate**, Department of Biological Science and Bio Engineering, IIT-Kanpur. Worked on topic titled "Designing and Optimization of Bioartificial Liver Support Using Cryogel based Bioreactor for Treatment of Acute Liver Failure" in Feb – March 2012.
- **UGC-Senior Research Fellow**, Division of Immunology, Department of Pathology, IMS, Banaras Hindu University, Varanasi. Ph.D. Research work on "**Immunopathological study of Psoriasis with special reference to HLA typing**" Since Sept 2008 - June 2011
- **UGC- Junior Research Fellow**, Division of Immunology, Department of Pathology, IMS, Banaras Hindu University, Varanasi. Ph.D. Research work on "**Immunopathological study of Psoriasis with special reference to HLA typing**" Since Sept 2006 – Sept 2008

## **CURRICULUM-VITAE**

- **Research student**, Plant Molecular Biology (Genomic) lab, National Botanical Research Institute, Lucknow. Worked on RAPD profiling of Bauhinia species under supervision of Dr. S.A. Ranade (in 2004 for four months)
- **Research intern**, Parasitology lab, Central Drug Research Institute, Lucknow Worked on malaria parasite in vivo and in vitro culture under the supervision of Dr. Renu Tripathi (in 2003 for one and half months)

### **TEACHING EXPERIENCE:**

- Assistant Professor in the Department of Biosciences, Integral University, Lucknow from 5<sup>th</sup> September 2022.
- Visiting Faculty in the Department of Biosciences, Integral University, Lucknow from 11<sup>th</sup> April 2022 to 31<sup>st</sup> July 2022.
- Worked as Lecturer (on Contract) at the College of Basic Sciences and Humanities, G.B. Pant University of Agriculture and Technology, Pant Nagar, Dist. Udham Singh Nagar, Uttarakhand in Jan-Feb 2012.
- 5 years of teaching assistance for Immunology (Theory & Practical) to the students of Post Graduate Diploma in Medical Laboratory Technology (PGDMLT) (2006-2011) during Ph.D.

### **FELLOWSHIPS/AWARDS:**

- Received **Travel Grant Award** of USD 1000 from Korean Diabetes Association for attending and presenting a research paper at International Congress of Diabetes and Metabolism (ICDM) in October 2022 in Seoul, South Korea.
- Received **Best Poster Award** of USD 250 at APCMS, South Korea (Online) in April 2021.
- Received **Travel Grant Award** of USD 1000 for attending Hypertension 2019 in South Korea in Nov. 2019
- Received **Travel Grant Award** of USD 1000 for attending ICDM in South Korea in Oct. 2019
- Received **Travel Grant Award** of USD 800 for attending 2<sup>nd</sup>APCMS in South Korea in Feb. 2019.
- Received **Travel Grant Award** of USD 1500 for attending 18<sup>th</sup> ICE, South Africa in Dec. 2018.
- Received **Travel Grant Award** of USD 1000 for attending ICoAL2018 in South Korea in Aug. 2018.
- Aailed **UGC Women Postdoctoral fellowship** from 2015-17 (for 5 years).
- Awarded **Women Scientist fellowship under SoRF scheme of DST** in 2015.
- Aailed **UGC Senior Research Fellowship** from Sept 2008 to 17 June 2011.
- Aailed **UGC Junior Research Fellowship** for Research since Sept 2006 to Sept 2008.
- GATE qualified in year 2005 with **94.29 percentile** (score 401) having All India Rank 371.

### **ACADEMIC QUALIFICATIONS:**

- Ph.D. Biotechnology under supervision of Prof. Usha, Division of Immunopathology, Department of Pathology, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India in 2011,

## CURRICULUM-VITAE

- M.Sc. in Biotechnology from Allahabad Agricultural Institute - Deemed University, Allahabad in 2004.
- B.Sc. in Zoology, Chemistry and Botany from Lucknow University in 2002.

### MEMBER OF SCIENTIFIC BODIES:

1. Life Member of the Indian Association of Biomedical Sciences (IABS) (LM No. 246/19).
2. Life Member of Epidemiology Foundation of India (Life Membership No 04305).

### SCIENTIFIC LABORATORY SKILLS:

- **Human Leukocyte Antigen (HLA) Typing serologically:** Class I – ABC and Class II – DR, DQ, Cross matching for kidney transplantation
- **ELISA technique:** various cytokines, autoantibodies
- **Immunoturbidometric method:** estimation of Complement components, Immunoglobulins
- **Histological slides:** skin biopsy, Immunofluorescence technique (IFT). Immunohistochemistry technique (IHC)
- **Polymerase Chain Reaction (PCR) technique:** RAPD Profiling, Molecular HLA typing
- **DNA Isolation:** Plant tissue, animal blood and animal tissue
- **Gel Electrophoresis:** Horizontal and Vertical
- **Culture:** Plasmodium in vivo in Swiss mice, *Plasmodium falciparum* in vitro
- **High Performance Liquid chromatography:** Urine and Plasma
- **Thin layer chromatography:** urine and plasma

PUBLICATIONS		CONFERENCES / WORKSHOPS ATTENDED	
Research Papers	23	International Conference	09
Book Chapters	07	National Conference	16
Book edited	01	Workshop	05
Monograph	01	FDP	03