

## CURRICULUM VITAE

### » Personal details

Name	<b>Prof. VibhaTandon</b>
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Sex	Female
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Contact No.	011-26742181, 9313583818
Date of birth (as per matriculation)	1 <sup>st</sup> July 1968

### » Academic qualification (Chronological order):

Degree	Unirersity/ Institute	Percentage/Grade	Year of obtaining degree
B.Sc.	T. D. College, Gorakhpur University in Chemistry	1 <sup>st</sup> Division	1984
M.Sc.	T. D. College, Gorakhpur University in Chemistry	First class first in College	1986
Doctor of Philosophy	Department of Chemistry, University of Allahabad		1991

### » Working Experience (Chronological order):

Employer	Workplace type	Designation	Duration
Department of Chemistry, Indian Institute of Technology, Kanpur.	Research	Post-Doctoral Fellow	January 1993–March 1996
M/S KCK Latex Limited, Kanpur & Delhi	100% EOU producing Surgical Gloves	Senior Chemist	April 1996–December 1996
M/S KCK Latex Limited, Kanpur & Delhi	100% EOU producing Surgical Gloves	Production Incharge	January – December 1997
Department of Chemistry, University of Delhi.	Lecturer	Research Scientist (Lecturer)	January 1998 – 2009
Department of Chemistry, University of Delhi.	Reader	Reader	January 2009 – 2010
Department of Chemistry, University of Delhi.	Teaching and Research	Associate Professor	January 2010–28th March 2013
Department of Chemistry, University of Delhi.	Teaching and Research	Professor	28th March 2013 – 20th January 2014
Special Centre for Molecular Medicine, JNU, New Delhi	Teaching and Research	Professor	21st January 2014 to till date

### » Honors/ Awards/Fellowship received:

S No	Name of Honors/Awards/Fellowship received	Awarding Agency	Year
1.	Invited to deliver the 10th Dr. Darshan Ranganathan Memorial Lecture at the 28th CRSI National Symposium in Chemistry (NSC-28)	Council of Chemical Research Society of India (CRSI)	2020
2.	Prof. D. Nasipuri Memorial Award, 2018	Indian Chemical Society, Calcutta.	2018
3.	Mid Career Award of UGC for excellent Research Work	UGC	2018- 2021
4.	Fulbright Senior Research fellowship awarded for 2012–13 to visit Department of Cell Biology, Georgia State University, Atlanta USA	Fulbright Senior Research fellowship	2012–13
5.	Awarded INSA visiting fellowship for the year 2011 – 12	INSA ,New Delhi	2011 – 12
6.	DAAD fellow under Indo – German exchange program of DST – DAAD	DAAD ,Germany	2010–2011
7.	Member of National Academy of Sciences India,	National Academy of Sciences India	2007 – 08

	Allahabad. Awarded Royal Society fellowship		
8.	Invited as a participant to XI NOST Symposium	National Organic Symposium Trust , India	October 2005
9.	Awarded Royal Society Fellowship for the three-month visit to Prof. Stephen Neidle's laboratory at University of London, U.K.	Bilateral Exchange Programme of INSA with Royal Society, U.K	2004 – 2005

» **Administrative Experience (Chronological order):**

Position held	Affiliation	Duration
Treasurer of Governing Body of Kirorimal College of Delhi University	Kirorimal College of Delhi University	2021 -23.
Member of SERB – Science and Technology Award for Research (STAR Committee)	SERB	2020
Member of Apex committee for implementation of National Education Policy in JNU	JNU	2020
Member of Area Review Panel(ARP) created under special call entitled “COVID-19 Research Consortium	Industry/Academia/ Industry-Academia	2020 -23
Member of Area Review Panel(ARPs) of BIRAC, Govt.of India, 2019	BIRAC, Govt.of India	2019
Chairperson of “Women Excellence Award Committee”	SERB	2019 till date.
Member of Board of Studies of Department of Chemistry in Guru Nanak Dev University, Amritsar	Guru Nanak Dev University, Amritsar	2019- 21
Chairperson and member of WoS–A Chemical Science Kiran Program	DST,GOI	2013 till date
Member of CURIE(Consolidation of University Research for Innovation & Excellence in Women Universities) Program of DST	DST	2016 till date
Presiding Officer of Internal Complaints committee at JNU	JNU	2017-20
Chief Proctor	JNU	2016-2017
Chairperson	Special Centre for Molecular Medicine	2015-2017
Coordinator/Convener of Apex Committee of 2 <sup>nd</sup> and 3 <sup>rd</sup> Convocation of JNU	JNU	2018 and 2019.
Chairperson, DST–PURSE Implementation Group	JNU	2017- 2020
Academic Council member of JNU	JNU	2015 to 2019
Court member of JNU	JNU	2015-17
Chairperson of Research Council of JNU	JNU	2016 -2019
Convener of JNU EE for the entrance examination of Masters and Ph.D. Program in SCMM	JNU	2016, 2017, and 2018.
Member of Academic Committees of Centre for Cellular and Molecular Biology (CCMB) Hyderabad	Centre for Cellular and Molecular Biology	2016-19
Member of Academic Committee of Translational Health Science and Technology Institute (THSTI), Faridabad	Translational Health Science and Technology Institute (THSTI), Faridabad	2016-19
Member of Academic Committee of Military College of Electronics & Mechanical Engineering, Secunderabad, Hyderabad	Military College of Electronics & Mechanical Engineering, Secunderabad, Hyderabad	2016-19
Member of Academic Committee of National Institute of Immunology (NII), New Delhi.	National Institute of Immunology (NII), New Delhi	2020-23
Member of Academic Committee of Military College of Telecommunication Engineering (MCTE)	Military College of Telecommunication Engineering (MCTE), Mhow (Indore) Indore Madhya Pradesh	2020-23
Member of Academic Committee of NIPGR, New Delhi	National Institute of Plant Genome Research DBT,	2020-23
Member of Standing Committee of JNU for External Institution Affiliated with JNU	JNU	2019 -2021

» **No. of Ph.D. Supervision (Awarded): 23**

» **Publication(s): 80 ; H-index: 32; i10; 53 Total citations: 3422**

No. of journal Papers ( <b>International</b> )	80
No. of Books written	03
No. of Book Chapters	Nil

» **No. of Research Project completed:** International and National extramural fundings.

<b>Origin: Title and role</b>	<b>Funding Agency</b>	<b>Duration</b>
Antisense oligonucleotides as chemotherapeutic agents: Physico-Chemical and Biological Studies (PI), Grant : 8 lakhs	DST	2001 –03
Synthesis of Oxandrolone , Grant : USD 15000	Hikma Pharmaceuticals Pvt. Ltd. , Jordan	2002–03
Inhibition of HIV-1 replication: Design, synthesis and characterization of small molecule libraries. (Co–PI) Grant : 9.5 Lakhs	UGC	2004 –07
Structure activity relationship studies of marine natural products – Apratoxins, (PI) , Grant : 4.6 lakhs	UGC	2004–07
Drug target validation and anti-infective development for HIV/AIDS and associated infections (PI), Grant : 3,24000 SEK	Swedish International Development Cooperation Agency (SIDA) under the Asian-Swedish Research Partnership Programme.	2005–2007
Identification and characterization of antidiabetic compounds from Annona squamosa and Ocimum sanctum (PI) ,Grant : 11.5 lakhs	ICMR	2005 –08
Synthesis and characterization of DNA minor groove binding ligands for biological applications (PI) , Grant , 11.2 lakhs	INMAS, DRDO	2005 –08
Investigation of biologically active systems' characteristics using the probes showing proton transfer & electron transfer behaviours: Synthesis and photophysics (PI) ; Grant : 25 lakhs	DST	2005 –2008
Radioprotectors against radiation-induced damage in normal cells during radiotherapy in cancer: Development and molecular mechanism study. (PI) ; Grant : 23 lakhs	DST	2005–09
Investigating the molecular mechanism of action of non-toxic radioprotectors. (PI) , Grant : 41.5 lakhs	DBT	2005-09
DNA Topoisomerase I - Design, synthesis and characterization of novel benzimidazoles and insight into mechanism of selective inhibition of bacterial Topoisomerase I by these molecules (PI) , Grant : 25 lakhs	CSIR	2009–12
Synthesis and characterization of modified peptide nucleic acid having pyrazolo(3, 4-d) pyrimidine as base analogues and its antisense effect (PNA) on dimerization and translational frameshifting of HIV-1 (PI), Grant : 11.65 lakhs	UGC	2009 –12
Design and synthesis of new class of DNA intercalating agent under PURSE scheme. (Co –Investigator) , Grant : 28.7 lakhs	Delhi University	2009 – 12
Indo South Africa INT/SAFR/P (2/2011)03/10–2011) Design synthesis and evaluation of 1,2– dihydro isoquinolines as HIV integrase inhibitors. (PI) , Grant : 8 lakhs	DST, India. & South Africa jointly	2011–13
International collaborative Project: Indo German Project; Validation and testing of DNA binding ligands as radiomodulator in human cells. , Grant : 8 lakhs	DST -DAAD	2011-13
Development of bisbenzimidazole as E. coli topoisomerase inhibitor (PI) ; Grant ; 25 lakhs	CSIR	2012 –15
Design, synthesis, and biological evaluation of novel indole and 2,3–dihydro-1H-indene derivatives in the search of potent HIV-1 integrase inhibitors (PI) ; Grant : 55 lakhs	DST –SERB	2013 –16.
Design and synthesis of a library of heterocyclic compounds and their biological evaluation as antibacterial agents with special references to topoisomerase inhibitors (PI) , Grant : 12 lakhs	UGC	2014–16
Development of point-of-care kit for rapid detection of bacterial antimicrobial resistance and prescription of appropriate therapy (PI); Grant : 5 lakhs	UPE-II grant	2017–2018
Development of agents for tuberculosis therapy and mechanistic elucidation through genomics and proteomics (PI) ; Grant : 11 lakhs	UPE-II grant	2014 – 2019
Investigation of effect of bisbenzimidazole on bacterial population dynamics: In accordance to develop broad spectrum antibacterial agent. (PI) ; Grant : 80 lakhs	DBT	2017 – 2019
DMA, A Bisbenzimidazole to take it to Early Phase trials as a Radiomodulator to Normal Cells for Cancer Radiotherapy in Patients (PI) ; Grant : 259 lakhs	ICMR	2021 -22
DMA, Benzimidazole as a Radiomodulator/Radioprotector to normal Cell for Cancer Radiotherapy (PI) ; Grant : 48.21 lakhs	BIRAC- PACE	2019-20
A multi-scale approach to Combat the Mechanisms of Antimicrobial Resistance through PPEF a known bacterial Topoisomerase Inhibitor (PI) , Grant : 779 .92 lakhs , 129 lakhs for JNU ( rest grant given to CRO)	DBT-BIRAC	2019-22

A novel approach to study the genomic and functional effect of bisbenzimidazoles: in accordance to develop broad-spectrum antibacterial effect. (PI) : Grant : 50 lakhs	DST-SERB	2018-2021
Development of single-cell derived clonal Spheroids as a tool for drug discovery in cancer research (Co-PI) : Grant ; 585 lakhs , distributed among 11 faculties	DST –DPRP	2018-2021

» **No. of significant membership:**

<b>Position held</b>	<b>Affiliation</b>	<b>Duration</b>
Member	Indian Science Congress Association,Calcutta	Life membership
Member	Indian Chemical Society,Calcutta	Life membership
Member	Asian Federation of Clinical Pharmacologists	Life membership
Member	Indian Society of Analytical Scientists	Life membership
Member	Society of Biological Chemists,India	Life membership
Member	Chemical Research Society ,India	Life membership
Member	Society of Clinical Biochemists, India	Life membership
Member	Indian Society for Radiation Research,India	Life membership