




**DESHBANDHU COLLEGE**  
**(UNIVERSITY OF DELHI)**  
**KALKAJI, NEW DELHI - 110019**  
**Faculty Details Proforma for College Website**

Title	Dr.	First Name	Vineeta	Last Name	Kashyap	Photograph
Designation	<b>Assistant Professor</b>					
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Web-Page	<a href="http://vkashyap@db.du.ac.in">vkashyap@db.du.ac.in</a>					
<b>Educational Qualifications</b>						
Degree	Institution				Year	
Ph.D. Biochemistry	All India Institute of Medical Sciences, New Delhi				2007	
PG M.Sc Biochemistry	PG Jamia Hamdard, Hamdard University,				1999	
UG B.Sc Biochemistry	Deshbandhu College, Delhi University, New Delhi				<b>1997</b>	
Any other qualification						
<b>Career Profile</b>						
<ul style="list-style-type: none"> <li>• Currently working as Assistant Professor (Ad-hoc) in Department of Biochemistry, Deshbandhu College (13 August 2013 onwards).</li> <li>• Worked as Assistant Professor in Department of Biochemistry in Institute of Home economics (Jan –Apr 2013 Under Leave vacancy).</li> <li>• Guest lectureship at Department of Biochemistry in Daulat Ram and Deshbandhu College in the year 2012.</li> <li>• Worked as Assistant professor (Ad-hoc) in Daulat Ram College at Department of Biochemistry (July 2010 –Apr2012).</li> <li>• Guest lectureship at Biotechnology Department (M. Sc) at Jamia Hamdard, Hamdard University, New Delhi (Feb-October 2007).</li> <li>• Worked as Women Scientist (DST) in Department of Biochemistry in All India Institute of Medical Sciences, New Delhi in the Project Titled " To identify B and T cell epitopes and study their humoral and cellular-mediated immune response of peptides derived from Envelope proteins of Chikungunya virus (CHIKV)" (September 2009- July 2010).</li> <li>• Project Associate in National Institute of Immunology, New Delhi (July 2008-Jun 2009).</li> </ul>						
<b>Administrative Assignments</b>						
<ol style="list-style-type: none"> <li>1. Member of Admission Committee of Biochemistry Department in 2013-till date</li> <li>2. Member of Biochemistry Departmental Website Committee since 2020</li> <li>3. Member of IQAC, Deshbandhu college, 2019 onwards.</li> <li>4. Member of Proctorial Committee 2019 onwards</li> <li>5. Member, Annual day prize distribution committee, 2014 and 2015</li> </ol>						

6. Member, Refreshment Committee of Annual Cultural Fest Sabrang, 2013- 2018
7. Member, Organizing Committee of Annual Departmental Fest BIOSPARK 2015 onwards
8. Member, Organizing Committee of INSPIRE workshop 2013- 2017, 2019
9. Editor of BIOSPARK Magazine (2015 onwards)

#### Areas of Interest/Specialization

Molecular Immunology,  
Molecular Cellular Biology,  
Bioinformatics

#### Subjects Taught

<b>B.Sc. (H) Biochemistry I Year</b>	<b>B.Sc. (H) Biochemistry II Year</b>	<b>B.Sc. (H) Biochemistry III Year</b>	<b>M. Sc Biochemistry/Biotec hnology Students</b>
Proteins & Enzymes	Metabolism of carbohydrates and lipids	Advanced Cell Biology	Bioprocess Engineering and Technology
Molecules of life/Biomolecules	Human Physiology	Recombinant DNA Technology	Food technology
Cell Biology	Membrane Biology and Bioenergetics	Immunology	
Biochemical Techniques			
Biophysics			

#### Research Guidance

*List against each head (If applicable):*

1. Supervision of awarded Doctoral Thesis
2. Supervision of Doctoral Thesis, under progress
3. Supervision of awarded M.Phil. dissertations
4. Supervision of M.Phil. dissertations, under progress

#### Publications Profile

1. Analysis of antibody response (IgM, IgG, IgG3) to Chikungunya virus using panel of peptides derived from envelope protein of serodiagnosis. Verma P, Bhatnagar S, Kumar P, **Chattree V**, Parida MM, Hoti SL, Ali S, Rao DN. Clin Chem Lab Med. 2014 ;52(2):297-307.ISSN No. 1434-6621.
2. Inhibition of apoptosis, activation of NKT cell and upregulation of CD40 and CD40L mediated by M. leprae antigen(s) combined with Murabutide and Trat peptide in leprosy patients. **Vineeta Chattree**, Neena Khanna, Vandana Bisht and D. N. Rao. Mol. Cell. Biochem. 2008, 309: 87-97. (Impact factor: 2.00; ISSN No. 0300-8177).
3. Alterations in T cell signal transduction by M. leprae antigens is associated with downregulation of second messengers PKC, calcium, calcineurin, MAPK and various transcription factors in leprosy patients. **Vineeta Chattree**, Neena Khanna and D. N. Rao. Molecular Immunology. 2007, 44: 2076-2087. (Impact factor: 3.90; ISSN No. 0161- 5890).
4. Liposomal delivery of Mycobacterium leprae antigen(s) with murabutide and Trat peptide inhibits Fas-mediated apoptosis of peripheral blood mononuclear cells derived from leprosy patients. **Vineeta Chattree**, Neena Khanna, Vandana Bisht and D N Rao. Indian. J. Biochem. Biophys. 2007, 44: 386-393. (Impact factor: 1.2; ISSN No. 0975-0959).
5. Reversal of T cell anergy in leprosy patients: In vitro presentation with Mycobacterium leprae antigens using Murabutide and Trat peptide in liposomal delivery. Sridevi K, Neena Khanna, **Vineeta Chattree**, P.C Pal, W. Haq and D. N. Rao. Int. Immunopharmac. 2003, 3: 1589-1600. (Impact factor: 2.00; ISSN No. 0975-959.)
6. New dimensions in vaccinology: A new Insight. D Tomar, **V Chattree**, V Tripathi, A A Khan, A R

Bakshi and D N Rao. Indian Journal of Clinical Biochemistry. 2005, 20(1): 213-230. (ISSN No. 0970-1915) 7. Semen Characteristics: Advancement in andrological assessment. R S Sharma, K K Gaur, P C Pal, M Manocha, D Tomar, A A Khan, V tripathi, V Chattree and A Kriplani. Indian Journal of Clinical Biochemistry. 2005, 20(1): 173-183. (ISSN No. 0970-1915).

#### **Chapter published in a book**

1. Immune system & Human health: Effect of Running, Jogging, & Walking. **Dr. Vineeta Chattree** Kashyap & Dr. D.N.Rao. Book Name: Running, Jogging, Brisk Walking & walking for health. A sustainable Lifestyle Approach. Publisher: 2013. The Times Group books, ISBN: 978-9382299448. Pages 159-177.

#### Conference Organization/Presentations

*List against each head (If applicable)*

- **Organization of a Conference**

1. Participated as Session coordinator in "Online Hands-on Workshop in Research Methodology" on 1<sup>st</sup>-5<sup>th</sup> April, 2021 organised by Department of Biochemistry, Botany and Zoology, Deshbandhu College, DU.
2. Co-Convener in International Webinar on "RARE DISEASES: RARE INSIGHTS INTO THE RESEARCH, CHALLENGES AND CONCERNS" organized on 29<sup>th</sup> March, as part of Biospark 2021, Department of Biochemistry, Deshbandhu college, DU.
3. Organizing member of International Webinar Series lecture on "Hands on Training Session in Scientific Writing" organized on 12<sup>th</sup> November, 2020 by Department of Biochemistry, Deshbandhu college, DU.
4. Organizing member of Team webinar for International Webinar Series "Understanding Pathophysiology and Therapeutic Strategies for Neurological Disorders" organised on 29<sup>th</sup> October, 2020 by Department of Biochemistry, Deshbandhu college, DU.
5. Organizing secretary for the International Webinar Series organised by Department of Biochemistry, Deshbandhu college, DU on "Non-invasive Cancer Diagnosis and Prognosis" on 17<sup>th</sup> October, 2020.
6. As a Organizing member organised National Conference on "Pharmacovigilance: Advancement of Safe drug development (NCPASDD)" on 16<sup>th</sup>-17<sup>th</sup> January 2020 for Department of Biochemistry, Deshbandhu college, DU.
7. Served as Member, organizing committee of International Conference on Human Rights on 22-23<sup>rd</sup> February 2020 at Dr. Ambedkar International Centre New Delhi-110001.
8. Served as Steward in India International Science festival (IISF), 2020 for Guinness world Record of "Most people assembling sundial kit simultaneously online" organised by CSIR-NISTADS and Vijnana Bharati from on 22<sup>nd</sup> December 2020.
9. Served as Steward in India International Science festival (IISF), 2020 for Guinness world Record of "Most people washing hands online simultaneously" organised by CSIR-NISTADS and Vijnana Bharati from on 23<sup>rd</sup> December 2020.
10. Participated as Steward in India International Science festival (IISF), 2020 for Guinness world Record of "Most people applying protective mask simultaneously online" organised by CSIR-NISTADS and Vijnana Bharati from on 24<sup>th</sup> December 2020
11. Served as Member, organizing committee of National Conference on Insect Plant Biology in 21<sup>st</sup> century on 4-5<sup>th</sup> November 2019 organized by Department of zoology, Deshbandhu College, New Delhi.
12. Attended a International Global Bio-India 2019 Biotechnology Industry Research Assistance council (BIRAC) organized by DBT on 21<sup>st</sup> -23<sup>rd</sup> November 2019 at Aerocity, New Delhi and a road Show for Global Bio-India 2019, BIRAC, organized by DBT on 11th November 2019 at National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi.

13. Served as Member of organizing committee of "INSPIRE" from 2013-2017 and 2019
14. Served as a Member, Organizing committee and Resource person in National Workshop on "Recent Trends in Biochemistry and Biotechnology" at Deshbandhu College, 21-22 April, 2016.
15. Served as a Member, Organizing committee, Workshop on applied Genomics and Proteomics at Deshbandhu College, 12<sup>th</sup> -14<sup>th</sup> March, 2014.

#### **Participation as Paper/Poster Presenter**

1. Participated as **Mentor** in MindSpar 3.0 Ideathon, held on March 12, 2021 organised by Department of Biochemistry, Sri Venkateswara College, University of Delhi.
  - a) Mentored an innovative idea titled "Role of Methylene blue in diet of livestock to reduce the Greenhouse effect and its impact on climate change" presented by Mushhabbar Ali, Eshika Awana, Saloni, Sanyukta Sharma and Neha Sharma at *MindSpar 3.0 - "Adding New Dimensions", an ideathon on sustainable development* organized by Department of Biochemistry, Sri Venkateswara College, University of Delhi in collaboration with BSC BioNEST Bio-incubator, RCB on March 21<sup>st</sup>, 2021.
  - b) Mentored an innovative idea titled "Neutralisation of Pneumolysin toxin of *Streptococcus pneumoniae* by Allicin in combination with Silver Nanoparticles" presented by Kanishk Singh, Amritaparna Maity, Asif Shafi Lone, Peeyush Yadav and Aniruddha Ghosh at *MindSpar 3.0 - "Adding New Dimensions", an ideathon on sustainable development* organized by Department of Biochemistry, Sri Venkateswara College, University of Delhi in collaboration with BSC BioNEST Bio-incubator, RCB on March 21<sup>st</sup>, 2021.
- **Chattree V.** "Microbial fuel cells : a new class of biosensor or continuous in-situ monitoring of ground water quality" in a workshop on Skill Development to Build a clean India organised in Deshbandhu College on 7- 8<sup>th</sup> June, 2018.
- **Chattree V,** Jain R, Singh K. "Encapsulation of four natural products betulinic acid, parthenolide, honokiol and ginsenoside Rh2 in cocktail therapy for lung cancer treatment at International Conference on "Natural products and Human Health-2020 organized by Department of Zoology, Deshbandhu College on 27-29<sup>th</sup> February 2020 at Conference centre, North Campus, University of Delhi.
- Poster presentation in National symposium on "Contemporary Environmental concerns 2018", March 15-17<sup>th</sup>, 2018, Acharya Narendra Dev college, DU, New Delhi.

#### **Research Projects (Major Grants/Research Collaboration)**

##### **DBT-STAR College Scheme Projects taken by students under my Supervision**

- Part I-Understanding Primary, Secondary and Tertiary structures of protein using various Bioinformatic tools in 2020.
- Part II-Homology Modelling of Proteins and Molecular Docking (in progress)
- Basic bioinformatics analysis and molecular visualization of bacterial beta galactosidase enzyme (March 2021)
- To study the role of Catalase and Peroxidase enzymes in Senescence of attached and detached *Saraca asoca* L. (started in February 2021 and ongoing).

##### **DST funded project**

Project Titled: To identify B and T cell epitope and study their humoral and cellular mediated Immune responses of peptides derived from envelope of Chikungunya virus (CHIKV).

#### Awards and Distinctions

- **Senior Research Fellowship** funded by Council of Scientific and Industrial Research (CSIR), Department of Human Resource and Development, Government of India.2004, New Delhi.
- **Senior Research Fellowship** from ICMR, 2004, New Delhi.
- **Women Scientist Fellowship** awarded by Department of Science and Technology, Ministry of Science and Technology , New Delhi, 2009.

#### Association With Professional Bodies

##### • Editing

- Member of Editorial Board of Departmental Magazine **Biospark** of Biochemistry Department (Deshbandhu College) from 2015 onwards.

##### • Committees and Boards

1. Member of Departmental website committee, Deshbandhu College, DU
2. Member of DBT STAR college Scheme, Deshbandhu College, 2019-2020
3. Member of Cultural Committee Sabrang, Deshbandhu College, DU
4. Member of INSPIRE, Deshbandhu College, DU
5. Member of IQAC, Deshbandhu College, DU
6. Member of Admission Committee, Deshbandhu College, DU
7. Member of Proctorial Committee, Deshbandhu College, DU

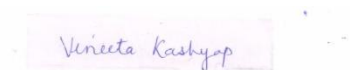
##### • Memberships

1. Life-long Membership of Indian Immunological Society
2. Life-Long Membership of Association of clinical Biochemists of India.
3. Lifetime membership of Society of Biological Chemistry

#### Other Activities

- One week FDP 2-8 June 2021, on "**Innovative Pedagogy for effective Teaching & E-learning during Covid Era**" organised by IIMT college of management , Greater Noida.
- Participated in a workshop on "**Nano Era: Nanotechnology for Global sustainability**" on 7 -11 June, 2021 organised by Amity University Noida.
- Participated in One day hands on Workshop on: "**Structure based Drug designing and Discovery**" organised by Department of Microbiology, Institute of Home economics, University of Delhi on 22 March, 2021.
- Participated in one-day National Level Workshop on "**Various Aspects of Research Funding, Academic Writing and Publication Ethics**" organised by Research Cell, Shivaji College, University of Delhi on 30 January,2021.
- Participated in workshop on "**Scientific writing and Communication**" by Shaheed Rajguru college of Applied Sciences for Women on 22 and 23 September, 2020.
- Participated in two week online FDP on "**Research Methodology**" organised by Ministry of Education-sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT), organized by Teaching Learning Centre (TLC), Ramanujan College in association with Research Development and Services Cell, Ramanujan College, University of Delhi from 1<sup>st</sup> to 15<sup>th</sup> October, 2020.
- Participated in One week online FDP on "**Biosafety, Bioethics and IPR**" being organized by the Department of Microbiology, RLA College from 24-28 August, 2020.

- Participated in one week FDP on "**Development and Delivery of MOOCS and E-content**" being jointly organized by the Central University of Haryana and Deshbandhu College, University of Delhi from 26<sup>th</sup> June to 1<sup>st</sup> July, 2020.
- Ten days Online Training done in "**Computer Aided Drug Design**" from RASA life Science Informatics, PUNE from 25<sup>th</sup> September to 3<sup>rd</sup> October 2020.
- Participated as Steward in **India International Science festival (IISF)**, 2020 for Guinness world Record organised by CSIR-NISTADS and Vijnana Bharati from 23-25 December 2020.
- Participated as **Mentor** in MindSpar 3.0 Ideathon, held on March 12, 2021 organised by Department of Biochemistry, Sri Venkateswara College, Delhi University.



Signature of Faculty Member

- You are also requested to give your complete resume as a Word or PDF file to be attached as a link on your department page.