




## Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
<b>Designation</b>	Assistant Professor		
<b>Address</b>	E- 18, Sainik Nagar, Uttam Nagar West, Delhi 110059		
<b>Office Phone No.</b>			
<b>Residence</b>	9873457281		
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<b>Email</b>	trnvts@gmail.com		
<b>Web-Page</b>			
<b>Educational Qualifications</b>			
<b>Degree</b>	<b>University/Institute</b>	<b>Year</b>	
<b>Ph.D.</b>	University of Delhi	2016	
<b>M.Phil./M.Tech.</b>	University of Delhi	2012	
<b>PG</b>	University of Delhi	2010	
<b>UG</b>	Kirori Mal college, University of Delhi	2008	
<b>Any Other Qualification</b>			
<b>Career Profile</b>			
<ul style="list-style-type: none"> <li>➤ Working as Assistant Professor (Ad-hoc), Shivaji College, University of Delhi from August 2017 till date.</li> <li>➤ Worked as Assistant Professor, Shivaji College and Dyal Singh College, University of Delhi, on Guest basis from January to April, 2017.</li> <li>➤ Worked as Assistant Professor, Shivaji College and Dyal Singh College, University of Delhi, on Guest basis from August to November, 2016.</li> <li>➤ Worked as Assistant Professor, Deshbandhu College, University of Delhi from 18th February to 26th April, 2016 on Guest basis.</li> </ul>			

<ul style="list-style-type: none"><li>➤ Worked as Assistant Professor, Shivaji College, University of Delhi from 29th July to 18th December, 2015 on Ad-hoc basis.</li><li>➤ Completed Ph.D under the supervision of Professor Ashok Kumar Singh, Insect Behaviour Laboratory, Department of Zoology, University of Delhi from October 2012 to October 2015.</li><li>➤ Awarded UGC Junior Research Fellowship during M. Phil from November 2011 to November 2012.</li><li>➤ Declared eligible for Lectureship (NET) in the Joint CSIR-UGC Test and awarded UGC Junior Research Fellowship during Ph.D work</li></ul>
<b>Administrative Assignments</b>
<ul style="list-style-type: none"><li>➤ Member, Magazine Committee of Shivaji College from 2019 onwards.</li><li>➤ Member, Development Committee of Shivaji College during the period of 2018-2019.</li><li>➤ Served as 'President' of Zoology Society, Kirori Mal College during graduation period from 2007 to 2008.</li></ul>
<b>Areas of Interest/Specialisation</b>
<p>Entomology: Insect Plant Interactions</p>
<b>Subjects Taught</b>
Non-Chordata, Chordata, Physiology, Animal Behavior, Cell Biology, Parasitology, Environmental Sciences, Apiculture, Sericulture, Biochemistry, Aquarium Fish Keeping, Comparative Anatomy of Vertebrates, Developmental Biology, Genetics and Evolutionary Biology, Biostatistics, Immunology, Ecology, Animal Biotechnology
<b>Innovation Project/Research Projects (Major Grants/Research Collaboration)</b>
<b>Publications Profile (Research Papers/Books)</b>
<ul style="list-style-type: none"><li>➤ Research Paper: Vats, T.K., Rawal, V., Mullick, S. <i>et al.</i> Bioactivity of <i>Ageratum conyzoides</i> (L.) (Asteraceae) on feeding and oviposition behaviour of diamondback moth <i>Plutella xylostella</i> (L.) (Lepidoptera: Plutellidae). <i>Int J Trop Insect Sci</i> 39, 311–318 (2019). <a href="https://doi.org/10.1007/s42690-019-00042-5">https://doi.org/10.1007/s42690-019-00042-5</a></li><li>➤ Book chapter titled “General Principles of Homeostasis” in Biology Programme for S5 (Upper Secondary Sciences) RWANDA PROJECT 2015 - 16 (ISBN: 9789383996889)</li></ul>
<b>Conference/Seminar/Faculty Development Programme/Workshop</b>

- Attended 'National Conference' on "Insect-Plant Biology in 21<sup>st</sup> Century" organized by Department of Zoology, Deshbandhu College, DU for oral presentation entitled "Feeding deterrence of *Plutella xylostella* (L.) (Lepidoptera: Plutellidae) by foliage extracts of *Calotropis procera* R. Br. (Asclepiadaceae) from 4-5 November, 2019.
- Participated in 'Faculty Development Programme' with the theme 'Environment Sustainability and Higher Education' organised by IQAC and Faculty of Science, Dyal Singh College, University of Delhi from 4th-11th June, 2018.
- Attended one day Workshop on 'Publishing Research Articles' organized by Centre for Professional Development in Higher Education, University of Delhi on 5th June, 2018.
- Participated as 'Resource person' in 3rd DST INSPIRE INTERNSHIP SCIENCE CAMP organized by Shivaji College from 16th to 20th July, 2018
- Attended International Conference on Entomology, 2016 held on 3 rd -5 th December, Patiala Punjab for a poster presentation titled "Oviposition Deterrent Activity of *Calotropis procera* R.Br. (Asclepiadaceae) extracts against *Plutella xylostella* (L.)(Lepidoptera: Plutellidae)
- Attended '17th International Conference on Entomology', 2015 held on 3 rd - 4 th December, Penang, Malaysia for an oral presentation titled "Antifeedant activity of *Ageratum conyzoides* (L.) (Asteraceae) extracts against *Plutella xylostella* (L.)(Lepidoptera: Plutellidae)
- Participated in "Workshop on Animal Behavior" held on 19th - 25th August, 2015 at Deptt. Of Zoology, University of Delhi.
- Successful completion of "Application Training on Fundamentals of Gas Chromatography" held on 6th -7th march, 2013 at Deptt. of Zoology, University of Delhi.
- Presented seminars on: Retrospective and Prospective Effects of Bt, Insect growth Regulators and Pest Control and Parasitoid Host Interactions during M.Phil (2011- 2012), Deptt. of Zoology, University of Delhi. Volunteered in "Introduction to Bioinformatics" Workshop for faculty of Delhi University, organised by Zakir Husain Delhi College, D.U. at Institute of Life Long Learning (ILL) (16-20 January, 2012), University of Delhi. Participated in "Workshop on Data Acquisition and Analysis" held at Deptt. of Zoology, University of Delhi.

#### Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

#### Awards and Distinctions

- First position in two different sports events on Annual Sports Day, Shivaji College held on February 2019.
- Received Runner Up Trophy as Member of Shivaji College Teachers Cricket Team , in Shaheed Bhagat Singh Memorial Cricket Tournament, 2019, held in Shaheed Bhagat Singh College from 26th February to 9th March, 2019.
- Awarded 'College Colour' for various activities of NCC (2005-2006)
- Stood 'First' in the Drill competition ( NCC) held at Patwa Dangar (Nainital), 26th May – 6th June 2006, Rank- Cadet

#### Memberships

**Other Academic Activities**

- Worked as member in various committees in Shivaji college for different events/functions from July, 2015 to till date.

**Cultural/Extracurricular Activities**

- Played Shaheed Bhagat Singh Memorial Cricket Tournament, 2019 as a Member of Shivaji College Teachers Cricket Team held in Shaheed Bhagat Singh College from 26th February to 9th March, 2019.
- Academic visit to Entomology Division, Indian Agriculture Research Institute, Pusa, Delhi in 2019 and 2017 with B.Sc (Life Sciences) VI semester students for understanding of Apiary/ Honey Processing Unit.
- Academic visit to Government Fisheries Farm, Seelampur, Delhi in 2019 with B.Sc (Life Sciences) IV semester students for understanding of Fish Keeping as part of academic practical syllabus.
- Academic visit to Delhi Zoological park with Zoology (Hons.) VI semester students in 2018 and 2015 as part of practical syllabus of Animal Behaviour subject.
- Student visit to Museum, Department of Geology, University of Delhi for understanding of Evolutionary aspects in 2018.
- Worked as ‘Sergeant’ in National Cadet Corps (DLI /SO/05/9450), 5 Delhi BN NCC, Kirori Mal College during the period of 2006-2007.

**Signature of Faculty Member**