



## Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
DR.	NEETU	SINGH	
<b>Designation</b>	<b>Assistant Professor</b>		
<b>Address</b>	Department of Zoology Shivaji College University of Delhi		
<b>OfficePhone No.</b>			
<b>Residence</b>			
<b>Mobile</b>			
<b>Email</b>	neetusingh2012ccs@gmail.com		
<b>Web-Page</b>			
<b>Educational Qualifications</b>			
<b>Degree</b>	<b>University/Institute</b>	<b>Year</b>	
<b>Ph.D.</b>	C.C.S. University	2016	
<b>M.Phil.</b>	C.C.S. University	2007	
<b>PG</b>	C.C.S. University	2006	
<b>UG</b>	C.C.S. University	2004	
<b>Any Other Qualification</b>	One year diploma course in <b>Information Technology</b> with Grade "A".		
<b>Career Profile</b>			
<b>Administrative Assignments</b>			

<b>Areas of Interest/Specialisation</b>
Parasitology, Molecular Biology
<b>Subjects Taught</b>
Physiology and Biochemistry, Genetics and Evolutionary Biology, Animal Biotechnology, Human Physiology, Food, Nutrition and Health, Animal Diversity, Medical Diagnostics, Comparative Anatomy and Developmental Biology of Vertebrates, Biotechnology, Chordata and Ecology, Anatomy and physiology, Biochemistry, Microbiology, Environmental Science, Environment and Public health, Methods of Environmental Analysis, Biogeochemistry and Hydrobiology, Environmental management, Parasitology.
<b>Innovation Project/Research Projects (Major Grants/Research Collaboration)</b>
<b>Publications Profile (Research Papers/Books)</b>
<ol style="list-style-type: none"><li>1. Anshu Chaudhary, Garima Kansal, Neetu Singh, Kumari Shobhna, Manu Verma and Hridaya S. Singh (2017). Molecular identification of <i>Thelandros scleratus</i> and <i>Thelastoma icemi</i> (Nematoda: Oxyruida) using mitochondrial <i>cox 1</i> sequences. <i>Acta Parasitologica</i>, Vol. 62 (2), DOI: <a href="https://doi.org/10.1515/ap-2017-0045">https://doi.org/10.1515/ap-2017-0045</a>, ISSN (Online) 1896-1851, ISSN (Print) 1230-2821.</li><li>2. Neetu Singh, Anshu Chaudhary &amp; Hridaya Shanker Singh. (2015). Molecular Phylogeny of Nematodes (Oxyurida: Travassosinematidae) from Orthoptera (Gryllotalpidae) Inferred by Mitochondrial Cytochrome C Oxidase Subunit 1 Gene. <i>Bioinformation</i>, 11(7): 343-347. ISSN 0973-2063.</li><li>3. Chaudhary, A.; Kansal, G.; Singh, N. and Singh, H. S. 2015. New molecular data for parasite <i>Hammerschmidtella indicus</i> and <i>Thelandros scleratus</i> (Nematoda: Oxyurida) to infer phylogenetic position. <i>Turk. J. Zoo.</i>, 39: 251-255. DOI: 10.3906/zoo-1311-18.</li><li>4. Haren Ram Chiary, Neetu Singh and Hridaya Shanker Singh (2015). Loss of Fish Diversity of Assam (India): A Threat to Ichthyofauna. <i>The Journal of Biodiversity (Photon)</i>, 115: 419-422.</li><li>5. Chaudhary, A., Singh, N. and Singh, H.S. (2014). Molecular characterization of two insect</li></ol>

nematode species (Oxyurida: Thelastomatidae) using small subunit (18S) ribosomal DNA sequence and Secondary structure analyses. *Journal of Helminthology*. DOI: <http://dx.doi.org/10.1017/S0022149X13000072>. pp 219-229.

6. N. Singh, A. Chaudhary & H. S. Singh. (2013). Identification of two species of *Binema Travassoa*, 1925 (Oxyurida: Travassossinematidae) based on morphological and sequence analysis of genomic (18S) and mitochondrial (Cox1) gene markers. *J. Nematode Morphol. Syst.*, 16(2): 173-180. ISSN: 1139-5192.
7. Neetu Singh, Anshu Chaudhary & Hridaya Shanker Singh. (2013). Morphological redescription and molecular characterization of three species of Travassosinematidae (Nematoda: Oxyurida: Thelastomatoidea) from *Gryllotalpa africana* Beauv (Orthoptera: Gryllotalpidae). *Bioinformation*. 9 (16): pp 818-823. ISSN 0973-2063.
8. H. S. Singh, Malti, Neetu Singh, and Anshu Chaudhary. (2010). Redescription of *Steinernema scapterisci* Nguyen and Smart, 1990: (Steinernematidae). *Journal of Applied and Natural Science*. 2 (2): 219-224. ISSN: 2231-5209
9. H.S.Singh, Manu Varma, Haren Ram Chiary, Neetu Singh, Garima Kansal and Shobhna. (2012). Ecological Imbalance and Dangerous Impact On Fish Faunal Diversity Of Ganga River System: A Review. *Voyager*, 3: 85-95. ISSN: 0976-7436.

#### **Conference/Seminar/Faculty Development Programme/Workshop**

1. Workshop on Bioinformatics and Molecular Modeling in Drug Design organized by Dr. B. R. Ambedkar Center for Biomedical Research (ACBR), University Of Delhi, New Delhi. 15-17 March, 2018.
2. Training on Genomics, Proteomics, Drug Design and High Performance Computing from 26-6 July, 2017 at Supercomputing Facility for Bioinformatics & Computational Biology (SCFBio), Indian Institute of Technology, Delhi (IIT, Delhi).
3. Workshop on Drug Discovery Technology- Computational Approaches in Drug Discovery & Design organized by Department of Biomedical Sciences in collaboration with BioDiscovery Group, India in Shaheed Rajguru College of Applied Sciences for Women, New Delhi. 12-13 January, 2017.
4. Thematic Workshop on 'Helminthological Research' organized by Department of Zoology, Ch. Charan Singh University, Meerut. 24-26 May 2013.
5. Workshop on 'Molecular Biotechnology and Bioinformatics' held from 30 April to 4 May 2012 at School of Biotechnology, International Institute of Information Technology (I<sup>2</sup>IT), Pune.
6. Workshop on "Tools and Techniques in Molecular Biology" organized by Department of Zoology, Ch. Charan Singh University, Meerut. 5-6 April, 2012.
7. Training on 'Recent techniques in 'Biotechnology, Immunotechnology, Bioinformatics a Agri-informatics' from 1 July to 15 July, 2009 organized by School of Biotechnology, Shobh University, Meerut.
8. Research training on a project entitled "Insect pests of Medicinal Plants" under the supervision of Dr. Shamila Kalia, Scientist E (from 11 July to 10 August 2005) from Forest Research Institute (F.R.I), Dehradun.

**Conferences, Symposia and Seminars Attended:**

***International conferences:***

1. International conference on Faunal Biodiversity and their Conservational Strategies from 22-23 March, 2014 organized by Department of Zoology, University of Lucknow, U.P., India.
2. Indraprastha International conference on Biotechnology (IICB-2013) from 22-25 October, 2013 organized by University School of Biotechnology, Guru Gobind Singh Indraprastha University, sector 16C, Dwarka, New Delhi, India.
3. International conference on “Global IPR System and WTO Issues” from 16-17 November, 2013 organized by Intellectual Property Cell, Ch. Charan Singh University, Meerut, 20005.

***National Seminars/Symposia/conferences:***

1. National symposium on “the role of classical Zoology in Present Day Scenario” 19-20 December, 2015, organized by department of zoology, RGPG college meerut, india
2. National Seminar on “Threats to biodiversity and ecosystems: impact of developmental projects and climate change and 25<sup>th</sup> All India Congress Of Zoology”, 17-19 November 2014, organized by Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, India.
3. The 100th Indian Science Congress (Section: Animal, Veterinary and Fishery Sciences) from January 3-7, 2013 held at Calcutta University, Kolkata, India.
4. National Seminar on “Mountain Fisheries: Challenges and Opportunity for livelihood Security”-5-6 November 2012, organized by Directorate of coldwater fisheries Research (Indian Council of Agricultural Research Bhimtal - Nainital, (Uttarakhand).
5. National conference on “Environmental problems and their remedial measures” (EPR 2012), 24-26 march 2012, organized by Department of Environmental Science C.C.S.University, Meerut.
6. National Seminar on “Thrust Areas in Fish Biotechnology and Fish Conservation” organized by Department of Zoology, Meerut College, Meerut, 19 September, 2009.
7. National Symposium on “Biomarkers of Environmental Problems” organized by Department of Zoology and Department of Environmental Science, Ch. Charan Singh University, Meerut and The Academy of Environmental Biology, Lucknow from 26-28 October, 2007.
8. National symposium on “Challenges and opportunities in Animal Science Education and Research” organized by Department of Zoology, Ch. Charan Singh University, Meerut, 19-21 Feb, 2005.

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

---

---

<b>Awards and Distinctions</b>
<ol style="list-style-type: none"><li>1. UGC Major Research Project Fellowship</li><li>2. Max Planck Research Award -2015 in Biodiversity by IASR.</li><li>3. University Research Fellowship from Ch. Charan Singh University, Meerut.</li><li>4. Got II<sup>nd</sup> prize in annual sport day (2018) in Shivaji College, University of Delhi.</li></ol>
<b>Memberships</b>
Indian Science Congress Association
<b>Other Academic Activities</b>
<ol style="list-style-type: none"><li>1. Worked as a Resource Person in the INSPIRE Science Camp 2016, DST, Govt. Of India, held from December 14-18, 2016 at Shivaji College, University of Delhi, Delhi.</li></ol>
<b>Cultural/ Extracurricular Activities</b>
<ol style="list-style-type: none"><li>2. Worked as volunteer in workshops and conferences.</li><li>3. Participated in many workshops, conferences and Symposia.</li><li>4. Participated in cultural activities.</li></ol>








**Signature of Faculty Member**