



Shivaji College Faculty Details Proforma

Title	DR.	First Name	NEETU	Last Name	SINGH	Photograph
Designation	Assistant Professor					
Address	Department of Zoology Shivaji College, University of Delhi New Delhi, India					
OfficePhone No.						
Residence						
Mobile						
Email	neetusingh2012ccs@gmail.com					
Web-Page						
Educational Qualifications	M.Sc., M.Phil., Ph.D. in Zoology					
Degree	University/Institute				Year	
Ph.D.	Ch.C.S. University				2016	
M.Phil.	Ch.C.S. University				2007	
PG (M.Sc.)	Ch.C.S. University				2006	
UG (B.Sc.)	Ch.C.S. University				2004	
Any Other Qualification	Qualified CSIR UGC NET Examination One year diploma course in Information Technology with Grade "A".					
Career Profile						
<ul style="list-style-type: none"> • have been teaching undergraduate and post graduate courses from 2008 to till date. • presently working as a Assistant Professor in the Department of Zoology, Shivaji College, University of Delhi, New Delhi since 2016. 						
Administrative Assignments						

- performed various duties assigned by College during Examinations, College Fest, Orientation Day, Inspire Science Camp, DBT star College Scheme and Webinar organized.

Areas of Interest/Specialisation

Parasitology, Molecular Taxonomy, Molecular Biology, Bioinformatics

Subjects Taught

Comparative Anatomy of Vertebrates, 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.

Innovation Project/Research Projects (Major Grants/Research Collaboration)

Publications Profile (Research Papers/Books)

- Anshu Chaudhary, Garima Kansal, Neetu Singh, Kumari Shobhna, Manu Verma and Hridaya S. Singh (2017). Molecular identification of *Thelandros scleratus* and *Thelastoma icemi* (Nematoda: Oxyurida) using mitochondrial *cox 1* sequences. *Acta Parasitologica (Springer)*, Vol. 62 (2), DOI: <https://doi.org/10.1515/ap-2017-0045>, ISSN (Online) 1896-1851, ISSN (Print) 1230-2821.
- Neetu Singh, Anshu Chaudhary & Hridaya Shanker Singh. (2015). Molecular Phylogeny of Nematodes (Oxyurida: Travassosinematidae) from Orthoptera (Gryllotalpidae) Inferred by Mitochondrial Cytochrome C Oxidase Subunit 1 Gene. *Bioinformation*, 11(7): 343-347. ISSN 0973-2063.
- Chaudhary, A.; Kansal, G.; Singh, N. and Singh, H. S. 2015. New molecular data for parasite *Hammerschmidtella indicus* and *Thelandros scleratus* (Nematoda: Oxyurida) to infer phylogenetic

position. *Turk. J. Zoo.*, 39: 251-255. DOI: 10.3906/zoo-1311-18.

4. Haren Ram Chiary, Neetu Singh and Hridaya Shanker Singh (2015). Loss of Fish Diversity of Assam (India): A Threat to Ichthyofauna. *The Journal of Biodiversity* (Photon), 115: 419-422.
5. Chaudhary, A., Singh, N. and Singh, H.S. (2014). Molecular characterization of two insect 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: Travassosinematidae) 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 *Grylotalpa africana* Beauv (Orthoptera: Grylotalpidae). *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.

Posters/papers presented and Abstracts published in National and International conferences:

1. **Neetu Singh** and H. S. Singh. (2014). *In silico comparative study of nematode species of insect, Grylotalpa africana Beauvois based on motif prediction*. National Seminar on “Threats to biodiversity and ecosystems: impact of developmental projects and climate change and 25th All India Congress Of Zoology”, 17-19 November 2014, organized by Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, India
2. **Neetu Singh** and Hridaya Shanker Singh. (2014). *Nematode diversity of mole cricket, Grylotalpa africana Beauvois at Meerut region, India*. 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.
3. **Neetu Singh** and H.S. Singh. (2013). *A molecular study of parasitic nematodes of insect, Grylotalpa africana using small subunit 18S rRNA gene as a taxonomic marker*. Indraprastha international conference on Biotechnology (ICB-2013) from 22-25 October, 2013 organized by University School of Biotechnology, Guru Gobind Singh Indraprastha University, sector 16C, Dwarka, New Delhi, India.
4. **Singh, N.** and Singh, H.S. (2013). *Molecular characterization of nematode Binema ornata Travassos, 1925 from Grylotalpa africana*. The 100th Indian Science Congress held at Calcutta University, Kolkata, India. Section: Animal, Veterinary and Fishery Sciences. January 3-7, 2013.
5. Shobhna, H.S.Singh, Manu Varma, Anshu Chaudhary, Haren Ram Chiary, **Neetu Singh** and Garima Kansal. (2012). *Ecological Imbalance And Dangerous Impact On Fish Faunal Diversity Of Ganga River System*. National Seminar on 'Mountain Fisheries: Challenges and Opportunity for

livelihood Security”-5-6 November 2012, Directorate of coldwater fisheries Research (Indian Council of Agricultural Research), Bhimtal-Nanital, (Uttarakhand).

6. **Neetu Singh** (2012). *Emerging solid waste problems and its remedial measures in India*. National conference on Environmental problems and their remedial measures (EPRM-2012), 24-26 march 2012, Department of Environmental Science, C.C.S.University, Meerut. pp-57.

Conference/Seminar/Faculty Development Programme/Workshop

1. One week online Faculty Development Programme (FDP) on “*Learn to Teach, Teach to Learn*” from 17th June, 2020 to 23th June, 2020, organized by IQAC of Delhi School of Professional Studies and Research (DPSR), New Delhi
2. One week Faculty Development Programme (FDP) on “*Introduction to Data Analysis using R*” from 11th June 2020 to 17th June 2020, organized by Excellence Brings success (ebs), New Delhi.
3. Training on “*Genomics, Proteomics, Drug Design and High Performance Computing*” from May, 28-3 June, 2019 at Supercomputing Facility for Bioinformatics & Computational Biology, Indian Institute of Technology, Delhi (IIT, Delhi).
4. 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.
5. 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).
6. 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.
7. Thematic Workshop on “*Helminthological Research*” organized by Department of Zoology, Ch. Charan Singh University, Meerut. 24-26 May 2013.
8. Workshop on “*Molecular Biotechnology and Bioinformatics*” held from 30 April to 4 May 2012 at School of Biotechnology, International Institute of Information Technology (I²IT), Pune.
9. Workshop on “*Tools and Techniques in Molecular Biology*” organized by Department of Zoology, Ch. Charan Singh University, Meerut. 5-6 April, 2012.
10. Training on “*Recent techniques in “Biotechnology, Immunotechnology, Bioinformatics and Agri-informatics*” in 2009 organized by School of Biotechnology, Shobhit University, Meerut.
11. Research training on a project entitled “*Insect pests of Medicinal Plants*” under the supervision of Shamila Kalia, Scientist E (2005) from Forest Research Institute (F.R.I), Dehradun, Himac Pradesh, India.

International /National Webinars attended:

1. A Webinar attended on the topic "*Biosafety measures and biocontainment of pathogens in reasearch*" held on 29th April, 2020 organized by Department of Zoology, Shivaji College, University of Delhi, India (attended on Zoom meeting App).
2. A webinar attended on the topic "*Zebrafish Model System*" held on 08th May, 2020 organized by Department of Biochemistry, Shivaji College, University of Delhi, India, via Zoom meeting App.
3. National Webinar attended on the topic "*Cyber, Crime, Law and Security*" held on 12th May, 2020 organized by National Service Scheme, Shivaji College, University of Delhi, India, via Zoom meeting App.
4. A webinar attended on the topic "*Constructive living and Education in the time of Corona crisis*" held on 13th May, 2020 organized by Internal Quality Assurance cell", Shivaji College, University of Delhi, India, via Zoom meeting App.
5. National Webinar attended on the topic "*e-Content Development Methodology: Four Quadrant Model, OERs and Copyright issues*" held on 15th May, 2020 organized by GAD-TLC of MHRD, SGTB Khalsa College, University of Delhi, India, via Zoom meeting App.
6. National Webinar attended on the topic "*Biodiversity and Public Health*" held on 19th May, 2020 organized by Eco Club, Shivaji College, University of Delhi, India, via Zoom meeting App.
7. National Webinar attended on the topic "*Value of Life*" held on 20th May, 2020 organized by National Service Scheme, Shivaji College, University of Delhi, India, via Zoom meeting App.
8. National Webinar-1 attended on "*Impact Centric Research: Funding Opportunities and Challenges in Framing Successful Research Proposal*" organized by Shivaji College, University of Delhi on July 11, 2020.
9. International Webinar attended on "*RNAseq searches in VEuPathDB*" held on Thu, Jul 9, 2020 organized by eukaryotic pathogen database resources.

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.

National Seminars/Symposia/conferences:

1. National symposium on “Recent trends in Biological Sciences” held on 10 April 2019, organized by Department of Biochemistry, Shivaji College, University of Delhi, New Delhi.
2. 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
3. National Seminar on “Threats to biodiversity and ecosystems: impact of developmental projects and climate change and 25th All India Congress Of Zoology”, 17-19 November 2014, organized by Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, India.
4. The 100th Indian Science Congress (Section: Animal, Veterinary and Fishery Sciences) from January 3-7, 2013 held at Calcutta University, Kolkata, India.
5. 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 - Nanital, (Uttarakhand).
6. 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.
7. National Seminar on “Thrust Areas in Fish Biotechnology and Fish Conservation” organized by Department of Zoology, Meerut College, Meerut, 19 September, 2009.
8. 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.
9. 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*)

Awards and Distinctions

1. Working as a recognized Reviewer in reputed journal ELSEVIER Parasitology International
2. Max Planck Research Award -2015 in Biodiversity by IASR
3. ICGEB Grant to attend ICGEB course, IBT, Vietnam
4. UGC Major Research Project Fellowship
5. Senior Research Fellowship (SRF) from UGC
6. Qualified CSIR UGC NET Examination

Memberships

1. Life membership of British Society for Parasitology
2. Indian Indian Science Congress Association

Other Academic Activities

1. involved in mentoring of students and continuous internal Assessment.
2. worked as a Resource Person in Online Summer Training Internship on the Theme “Epidemiology and Impacts” under DBT sponsored Star College Scheme, held from 15th June - 26th July, 2020 at Department of Zoology, Shivaji College, University of Delhi, Delhi.
3. worked as a Organizing Member in Inter Collge Laboratory Skill Training programme 2019 under th agis of DBT sponsored Star College Scheme, held from 27 November- 3 December, 2019 at Department of Zoology, Shivaji College, University of Delhi, Delhi.
4. worked as a Organizing Member in National Seminar on Recent Trends in Biological Research and Career Prospects, held from 27 September, 2019 at Department of Zoology, Shivaji College, University of Delhi, Delhi.
5. worked as a Resource Person in Inter Collge Laboratory Skill Training programme 2019 under th agis of DBT sponsored Star College Scheme, held from 27 November- 3 December, 2019 at Department of Zoology, Shivaji College, University of Delhi, Delhi.
6. worked as a Resource Person in Summer Training programme under DBT sponsored Star College Scheme, held from June 17-22, 2019 at Department of Zoology, Shivaji College, University of Delhi, Delhi.
7. worked as a Resource Person in Lab skill training programme for non-teaching staff in chemical and life sciences laboratories, under DBT sponsored Star College Scheme, held from May 20-24, 2019 at Shivaji College, University of Delhi, Delhi.
8. worked as a member in organizing committee of scientific quiz competition organized on one day seminar on scope of developmental Biology, held on 09 February 2018 organised by Department of zoology in Shivaji College, University of Delhi, Delhi
9. worked as a member in organizing committee for a Quiz contest on theme ‘Classical Zoology’ held on 05 october 2018 organised by Department of zoology in Shivaji College, University of Delhi, Delhi.
10. worked as a Resource Person in the INSPIRE Science Camp 2018, DST, Govt. Of India, held from

July 16-20, 2018 at Shivaji College, University of Delhi, Delhi.

11. 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.

Cultural/Extracurricular Activities

1. Working as a member of National Service Scheme (NSS) since 2018 to till date in Shivaji College, University of Delhi, Delhi.
2. Member, organising team for Blood Donation Camp held on 5th March 2020 organized by National Service Scheme (NSS) in association with Rotary Club (Delhi CAMA) Shivaji College, University of Delhi, New Delhi.
3. organised an event- Jashan-Zindagi-Ka (Talent Hunt) on NISHKAAM, 4-5 February 2019 organised by National Service Scheme (NSS) in Shivaji College, University of Delhi, Delhi.
4. worked as a member in organizing committee for a Quiz contest on theme 'Classical Zoology' held on 05 october 2018 organised by Department of zoology in Shivaji College, University of Delhi, Delhi.
5. worked as a co-convenor of the Orientation day Programme, 20 August 2018 organized by National Service Scheme (NSS) in Shivaji College, University of Delhi, Delhi.
6. worked as a member in organizing committee of scientific quiz competition organized on one day seminar on scope of developmental Biology, held on 09 February 2018 organised by Department of zoology in Shivaji College, University of Delhi, Delhi.
7. Worked as volunteer in workshops and conferences.
8. Participated in many workshops, conferences and Symposia.
9. Participated in cultural activities.

Signature of Faculty Member