

FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	NEETI	Last Name	PANDEY	Photograph
Designation	ASSISTANT PROFESSOR					
Department	ZOOLOGY					
Address (Official)	Department of Zoology Kalindi College, University of Delhi East Patel Nagar, New Delhi-110008					
Phone No.	-----					
Email	neetipandey@kalindi.du.ac.in					
Education						
<i>Degree</i>	<i>Institution</i>					<i>Details</i>
Ph.D	Department of Zoology, University of Delhi, India					Role of gut microbiota in intestinal Inflammation
M.Phil	Department of Zoology, University of Delhi, India					Microbiota analysis in Insects
PG (M.Sc.)	Hindu College, University of Delhi, India					Zoology
UG (B.Sc.)	ANDC College, University of Delhi, India					Zoology
Any other qualification	CSIR-NET- JRF Qualified					Life Sciences
Career Profile						
Organisation/Institution	Designation		Duration		Role	
Kalindi College, University of Delhi	Assistant Professor		28 th December, 2023 to till date		Teaching	
SGTB Khalsa College, University of Delhi	Assistant Professor		16 th July 2016 to 20 th February 2023		Teaching	
Deshbandhu College	Assistant Professor (Guest)		January 2016 to May 2016		Teaching	
Daulat Ram College	Assistant Professor (Guest)		August 2015- Dec-2015		Teaching	
Dyal Singh College	Assistant Professor (Guest)		August 2015- Dec-2015		Teaching	

Research Interests/Specialization					
➤ Insect Gut Microbiota and its Application ➤ Insect stem cell biology ➤ Insect Gut physiology ➤ Intestinal Disease Model ➤ Bioinformatics tools					
Administrative Assignments / Contribution to corporate life)					
College/Department Committee					
Year	Nature of Activity	Designation	Institution/Department	Period	
				From	To
2024-2025	AQAR committee- Criteria 3	Member	Kalindi College, University of Delhi	2023	2024
2024-2025	Workload Committee	Member	Kalindi College, University of Delhi	2024	2025
2024-2025	Pravah-mahavidya patrika	Member	Kalindi College, University of Delhi	2024	2025
2024-2025	Website Committee	Co-Convenor	Kalindi College, University of Delhi	2024	2025
2024-2025	Mentor and Mentee Committee	Member	Department of Zoology, Kalindi College, University of Delhi	2024	2025
2024-2025	NAAC criteria committee	Member	Department of Zoology, Kalindi College, University of Delhi	2024	2025
2024-2025	Time-Table Committee	Member	Department of Zoology, Kalindi College, University of Delhi	2024	2025
2022-2023	Maintenance of Equipment	Member	Department of Zoology, SGTB Khalsa College	2022	2023
2021-2022	Plasticware and Glassware Purchase	Member	Department of Zoology, SGTB Khalsa College	2021	2022
2021-2022	Museum Maintenance	Member	Department of Zoology, SGTB Khalsa College	2021	2022
2021-2022	Maintenance of Equipment	Member	Department of Zoology, SGTB Khalsa College	2021	2022
2020-2021	Plasticware and Glassware Purchase	Member	Department of Zoology, SGTB Khalsa College	2020	2021
2020-2021	Museum Maintenance	Member	Department of Zoology, SGTB Khalsa College	2020	2021
2020-	Maintenance of Equipment	Member	Department of Zoology,	2020	2021

2021			SGTB Khalsa College		
2019-2020	Plasticware and Glassware Purchase	Member	Department of Zoology, SGTB Khalsa College	2019	2020
2019-2020	Museum Maintenance	Member	Department of Zoology, SGTB Khalsa College	2019	2020
2019-2020	Maintenance of Equipment	Member	Department of Zoology, SGTB Khalsa College	2019	2020
2018-2019	Plasticware and Glassware Purchase	Member	Department of Zoology, SGTB Khalsa College	2018	2019
2018-2019	Museum Maintenance	Member	Department of Zoology, SGTB Khalsa College	2018	2019
2018-2019	Maintenance of Equipment	Member	Department of Zoology, SGTB Khalsa College	2018	2019
2018-2019	Result analysis Committee (Life Sciences)	Member	Department of Zoology, SGTB Khalsa College	2018	2019
2018-2019	Department of Monitoring Committee (Life Sciences)	Member	Department of Zoology, SGTB Khalsa College	2018	2019

Student Activities

2024-2025	ECA- Mehendi club-Co-convenor	UG	Kalindi College, University of Delhi	2024	2025
2024-2025	Gandhi Study Circle (Co-Convenor)	UG	Kalindi College, University of Delhi	2024	2025
2023-2024	Lehren-Annual Fest organizing committee-Stage Property(Co-Convenor)	UG	Kalindi College, University of Delhi	2023	2024
2022-2023	The National Service Scheme society (NSS Society)	UG	Department of Zoology, SGTB Khalsa College	2022	2023
2022-2023	Strokes society: The Fine Arts Society	UG	Department of Zoology, SGTB Khalsa College	2022	2023
2021-2022	The National Service Scheme society (NSS Society)	UG	Department of Zoology, SGTB Khalsa College	2021	2022
2021-2022	Strokes society: The Fine Arts Society	UG	Department of Zoology, SGTB Khalsa College	2021	2022
2020-2021	The National Service Scheme society (NSS Society)	UG	SGTB Khalsa College, University of Delhi	2020	2021
2020-2021	Strokes society: The Fine Arts Society	UG	SGTB Khalsa College, University of Delhi	2020	2021
2019-	Strokes: The Fine Art Society	UG	SGTB Khalsa	2019	

2020			College, University of Delhi		
2018-2019	Magazine Committee	UG	SGTB Khalsa College, University of Delhi	2018	2019
2018-2019	Excursion (Study visit to Yamuna Biodiversity Park)	UG	Yamuna Biodiversity Park from SGTB Khalsa College, University of Delhi	30 th October, 2018	30 th October, 2018
2018-2019	Strokes Society- The Fine Arts Society	UG	SGTB Khalsa College, University of Delhi	2018	2019

Teaching Experiences (Subject/Courses taught)

1. Animal Diversity
2. Human Physiology
3. Developmental Biology
4. Molecular Biology
5. Environmental studies
6. Apiculture
7. Healthy and Sustainable food choices

Publication (Research articles and Books)

- 1) **Neeti Pandey**, Raman Rajagopal and Shubham Dhara. Pan-Genome Analysis Reveals Origin Specific Genome Expansion in *Enterococcus mundtii* Strains. <https://doi.org/10.48022/mbi.2306.06005>. (June-2024)
- 2) **Neeti Pandey** and Raman Rajagopal. Comparative analysis of the difference in the midgut microbiota between the laboratory reared and the field-caught populations of *Spodoptera litura*. Accepted in Microbiology and Biotechnology Letters (2019).
- 3) **Neeti Pandey** and Raman Rajagopal. Tissue damage induced midgut stem cell proliferation and microbial dysbiosis in *Spodoptera litura*. Accepted in FEMS Microbiology Ecology, doi: <https://doi.org/10.1093/femsec/fix132> (2017).
- 4) **Neeti Pandey** and Raman Rajagopal. Molecular characterization and diversity analysis of bacterial communities associated with *Dialeurolonga malleiswaramensis* (Hemiptera: Aleyrodidae) adults using 16S rDNA amplicon pyrosequencing and FISH. Accepted in Insect Science. | DOI: 10.1111/1744- 7917.12220. Published by: Wiley Online library (2015)
- 5) **Neeti Pandey**, Ambika Singh, Vipin Singh Rana and R.Rajagopal. Molecular Characterization and Analysis of Bacterial Diversity in *Aleurocanthus woglumi* (Hemiptera: Aleyrodidae). Accepted in Environmental Entomology, 42(6):1257-1264. (2013). Published By: Entomological Society of America
- 6) Natarajan Gayatri Priya, **Neeti Pandey** and Raman Rajagopal. LNA probes substantially improve the detection of bacterial endosymbionts in whole mount of insects by fluorescent in-situ hybridization. Accepted in BMC Microbiology (2012), 12:81.
- 7) Harpreet Singh Raina, Ambika Singh, Sonam Popli, **Neeti Pandey**, Raman Rajagopal. Infection of Bacterial Endosymbionts in Insects: A Comparative Study of Two Techniques viz PCR and FISH for Detection and Localization of Symbionts in Whitefly, *Bemisia tabaci*. Accepted in PLOS ONE. DOI: 10.1371/journal.pone.0136159
- 8) Jaya Malhotra, Ankita Dua, Anjali Saxena, Naseer Sangwan, Udit Mukherjee, **Neeti Pandey**, Raman Rajagopal, Paramjit Khurana, Jitendra P. Khurana and Rup Lal Genome sequence of *Acinetobacter* sp. strain HA, Isolated from the gut of polyphagous Insect Pest *Helicoverpa armigera*. Accepted in Journal of Bacteriology (2012), 194(18):5156. DOI: 10.1128/JB.01194-12.

Published Books (Single Author)

- 1) Dr. Neeti Pandey. Structure and Function of Invertebrates, M.Sc. Zoology (Previous year), Lalit Narayan Mithila University. ISBN Number- 978-93-5338-671-9 (2019)
- 2) Dr. Neeti Pandey. Structure and Function of Invertebrates, M.Sc. Zoology (Previous year), M.P (Bhoj) University. ISBN Number- 978-93-5453-837-7 (2022)

Published Books (Co-Author)

- 1) Dr. Neeti Pandey, Dr. Pradeep Kumar, Dr. Soumya. Molecular Biology, M.Sc. Microbiology (Previous year), Alagappa University. ISBN Number- 978-93-5338-759-4 (2018)
- 2) Dr. Neeti Pandey and Dr. Sushil Kumar Upadhyay. Animal Biotechnology, M.Sc. Zoology (Final year), Alagappa University. ISBN Number- 978-93-5453-382-2 (2021)

Seminar/Conferences/workshops organized						
S.No.	Year	Details	Place	Period		Sponsoring/Organising Agency
				From	To	
1.	2019 - 2020	Organizing committee member for Sports Day Celebration	SGTB Khalsa College, University of Delhi	2019	2020	Student's union SGTB Khalsa College
	2019 - 2020	Election Duties for Student Union	SGTB Khalsa College, University of Delhi	2019	2020	Student's union SGTB Khalsa College
3.	2019 - 2020	Organizing committee-LASHKARA -Annual Fest organizing committee	SGTB Khalsa College, University of Delhi	2019	2020	Student's union SGTB Khalsa College
4.	2018 - 2019	Organizing committee member for Sports Day Celebration	SGTB Khalsa College, University of Delhi	2018	2019	Student's union SGTB Khalsa College
	2018 - 2019	Election Duties for Student Union	SGTB Khalsa College, University of Delhi	2018	2019	Student's union SGTB Khalsa College
6.	2018 - 2019	Organizing committee-LASHKARA -Annual Fest organizing committee	SGTB Khalsa College, University of Delhi	2018	2019	Student's union SGTB Khalsa College

Seminar/conference/Workshop Attended

- Oral presentation in the conference to celebrate World immunology day held on 2nd May, 2018 at department of Zoology, university of Delhi.
- One month long faculty induction program (FIP-02) held from 7th May to 2nd June at SGTB Khalsa College.
- National workshop on introduction to virtual classes for blended learning held on 6th March, 2018 at SGTB Khalsa College.
- National seminar on e-learning and MOOCs in higher education held on 29th march, 2017 at SGTB Khalsa College.
- Faculty development program on Wildlife Conservation and Management held on 19th February, 2018 at Sri Venkateswara College.
- ‘Undergraduate Science teachers’ workshop themed at developing scientific temper in students: tools and techniques held on 31st January, 2017 at Ramjas College.
- Young Scientist Conclave: India international Science festival
- Research as pedagogy a science teacher education program (RAP A STEP)
- International symposium on Microbial Biotechnology: diversity, genomics and Metagenomics at University of Delhi, Delhi, India
- International congress on chronobiology: Biological clocks and health issues in 21st century
- International conference on Recent trends in developing bioremediation strategies for HCH and other chlorinated contaminants
- National Symposium on Reproductive Health in India: Concerns and Awareness held at Deshbandhu College, University of Delhi, India
- National symposium on Environment: Greener Future and Awareness held at Deshbandhu College, University of Delhi
- Workshop on open data development and transparency initiatives

FIP/FDP/Refresher Course attended

Details	Place	Period		Year	Sponsoring/Organising Agency
		From	To		
Short Term Course on Disaster Management	MMTTC, University of Lucknow, Lucknow	16 th December, 2024	21 st December, 2024	2024	MMTTC, University of Lucknow, Lucknow
NEP Orientation & Sensitization Programme	Centre for Professional Development in Higher Education (CPDHE)	8 th October 2024 17 th October 2024	17 th October 2024	2024	UGC - Malaviya Mission Teacher Training Centre (MMTTC)
4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education”	Teaching Learning Centre Ramanujan College, University of Delhi	21 st February 2024	19 th March, 2024	2024	MINISTRY OF EDUCATION, Malaviya Mission Teacher Training Programme
4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education”	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi	7 th May, 2018	2 nd June, 2018	2018	PMMMNMTC, MHRD, Govt. of India

Board of Studies/Syllabus revision

1. Co-ordinator and Member in NEP Syllabus Preparation committee in Zoology Department, University of Delhi (Diversity of Animals: Life Science-Ist semester).

Awards & Distinctions

- 1) Qualified CSIR-NET JRF Fellowship
- 2) Science meritorious Award, University of Delhi
- 3) Secured position in Faculty Induction Program- FIP-02 held at SGTB Khalsa College from 2nd May 2018 to 02 June, 2018.