

**NAME OF THE FACULTY MEMBER: DR. NEETU****Designation:** Assistant Professor & Head**Department name:** Zoology✉ **Email ID:** neetumongabatra@gmail.com☎ **Contact Number:** 9855095256**h- Index:** 2**i10- Index:** 1**AREAS OF INTEREST**

- Cytogenetics
- Molecular Biology
- Biochemistry

**EDUCATIONAL DETAILS**

Degree	Year	Institute/University	Percentage	Medals/Positions
<b>Matriculation</b>	1991	D.C. Model High School, Ferozpur Cantt	80.37%	3 <sup>rd</sup> in School
<b>10+2 (Medical)</b>	1993	H.M.V., Jalandhar	76.2%	3 <sup>rd</sup> in College
<b>B.Sc. (Medical)</b>	1996	R.S.D. College, Ferozpur City	77.6%	1 <sup>st</sup> in College, 2 <sup>nd</sup> in University
<b>M.Sc. (Hons.) Zoology</b>	1998	Panjab University, Chandigarh	72.8%	3 <sup>rd</sup> in University
<b>NET-JRF</b>	1998	Council of Scientific and Industrial Research	-	-
<b>Ph.D. (Zoology)</b>	2005	Panjab University, Chandigarh	-	-

**PROFESSIONAL DETAILS**

Designation	From	To	Organization
Lecturer	31.7.2000	4.4.2001	R.S.D. College, Ferozpur City
Lecturer	9.9.2004	14.11.2005	Dev Samaj College for Women, Ferozpur City
Lecturer	14.7.2007	10.3.2008	G.G.D.S.D. College, Sector-32, Chandigarh
Lecturer	3.7.2008	27.3.2009	P.G. Govt. College for Girls, Sector-42, Chandigarh
Lecturer	22.7.2009	26.3.2010	P.G. Govt. College for Girls, Sector-42, Chandigarh
Lecturer	19.8.2010	31.1.2011	P.G. Govt. College for Girls, Sector-42, Chandigarh
Assistant Professor & HOD (Zoology)	1.2.2011	till date	MCM DAV College for Women, Sector-36A, Chandigarh

AWARDS & RECOGNITIONS				
Award	Institute			Year
Ram Devi Chawla Scholarship	D.C. Model High School, Firozpur			1990
National scholarship in B.Sc. I, II & III	R.S.D. College, Firozpur City			1993-1996
National scholarship in M.Sc. I & II	Panjab University, Chandigarh			1996-1998
Young Scientist Fellowship by the Society of Biological Chemists, Bangalore	Panjab University, Chandigarh			2002
IASc-INSa-NASi Summer Research Fellowship	Centre for Nanoscience and Nanotechnology, Panjab University, Chandigarh			2016
RESEARCH PUBLICATIONS				
Title	Journal	Refereed	Date and Year of Publication	Online Link
Random amplified polymorphic DNA-polymerase chain reaction based differentiation of some species of the genus <i>Anopheles</i> (Culicidae: Diptera)	Journal of Cytology and Genetics <b>ISSN:</b> 0253-7605 (Print)	Refereed	2004	-
RAPD-PCR diagnosis of the chromosomal races of <i>Anopheles culicifacies</i> (Culicidae: Diptera)	Proceedings of Zoological Society, Kolkata <b>ISSN:</b> 0373-5893 (Print)	Refereed	2004	-
Salivary polytene chromosome mapping of <i>Anopheles (Cellia) subpictus</i> Grassi (Culicidae: Diptera)	Genome <b>ISSN:</b> 0831-2796 (Print)	Refereed	2005	<a href="https://www.researchgate.net/publication/7897850_Salivary_polytene_chromosome_mapping_of_Anopheles_Cellia_subpictus_Grassi_Culicidae_Diptera">https://www.researchgate.net/publication/7897850_Salivary_polytene_chromosome_mapping_of_Anopheles_Cellia_subpictus_Grassi_Culicidae_Diptera</a>
RAPD-PCR based genetic relatedness among four malaria vector species of the genus <i>Anopheles</i> (Culicidae: Diptera)	Journal of Cytology and Genetics <b>ISSN:</b> 0253-7605 (Print)	Refereed	2005	-
The genetic structure of anophelines: RAPD versus allozymes	Proceedings of Zoological Society,	Refereed	2011	<a href="https://link.springer.com/article/10.1007/s12595-011-0001-4">https://link.springer.com/article/10.1007/s12595-011-0001-4</a>

	Kolkata <b>ISSN:</b> 0373-5893 (Print)			
Neurological disorders associated with Measles-Mumps and Rubella vaccination- A Review	Science Journal of Public Health <b>ISSN:</b> 2328-7942 (Print) <b>ISSN:</b> 2328-7950 (Online)	Refereed	2015	<a href="https://pdfs.semanticscholar.org/976a/ea4d194b4c23b607c94982f6a268ccd3c26b.pdf">https://pdfs.semanticscholar.org/976a/ea4d194b4c23b607c94982f6a268ccd3c26b.pdf</a>
Study on the insect faunal diversity of Mehr Chand Mahajan DAV College for Women, Chandigarh	Journal of Entomological Research <b>ISSN:</b> 0378-9519 (Print)	Refereed	2019	<a href="https://www.indianjournals.com/ijor.aspx?target=ijor:jer&amp;volume=43&amp;issue=4&amp;article=022">https://www.indianjournals.com/ijor.aspx?target=ijor:jer&amp;volume=43&amp;issue=4&amp;article=022</a>

#### BOOK CHAPTERS

Chapter Title	Book Title	Publisher	ISBN	Year of Publication
Higher Education in Science: A review of challenges and opportunities in Research and Development	Resurgence of Education: An effort towards Quality Culture in Education	Nirvaan Publication, Ludhiana	978-81-923919-6-0	2013
Role and Efficacy of Virtual Laboratories in Science Education	Proceedings of the NAAC Sponsored National Seminar on "Quality Enhancement in Educational Institutions"	Twenty First Century Publications, Patiala	978-93-85447-68-6	2016

#### RESEARCH PROJECTS

Title	Funding Organization	Year	Status
Synthesis, characterization and evaluation of larvicidal potential of curcumin nanoparticles against the vector species of mosquitoes (Diptera: Culicidae)	Department of Science & Technology, Chandigarh	2016	Completed
Survey on the prevalence of polycystic ovarian syndrome and its associated risk factors among girl students of MCM DAV College for Women, Sector 36-A, Chandigarh	Mehr Chand Mahajan DAV College for Women, Chandigarh	2019	Completed

**PROFESSIONAL DEVELOPMENT****(Refresher courses/Orientation/Summer Schools/ Workshops/MOOCs/FDPs attended)**

S. No.	Course Details	No. of Days	Organizers/ Sponsoring Agency	Place and Date
1	Summer Short Course on “Genomic and Phenomic Tools for the analysis of Livestock Genome”	10	NBAGR, Karnal	National Bureau of Animal Genetic Resources (NBAGR), Karnal 14.06.2012 to 23.06.2012
2	100 <sup>th</sup> General Orientation Course	28	Academic Staff College, Panjab University, Chandigarh	Academic Staff College, Panjab University, Chandigarh 28.11.2013 to 25.12.2013
3	Summer School on “Higher Education: National Repository of Human Capital”	21	Academic Staff College, Panjab University, Chandigarh	University School of Open Learning, Panjab University, Chandigarh 10.06.2014 to 30.06.2014
4	Faculty Development Programme on “Capacity Building and Skill Enhancement in Higher Education”	07	RUSA	Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh 26.02.2016 to 03.03.2016
5	Summer Research Fellowship Programme	56	Science Academies (IASc-INSA-NASI)	Centre for Nanoscience and Nanotechnology, Panjab University, Chandigarh 06.05.2016 to 30.06.2016
6	Faculty Development Programme on “ICT: New Dimensions in Research and Higher Education”	07	RUSA	Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh 26.11.2016 to 02.12.2016
7	Training Workshop on “Research Based Pedagogical Tools (RBPTs)” for Teachers of Undergraduate Science Courses	03	STEM	IISER, Mohali 23.01.2017 to 25.01.2017
8	National Faculty Development Programme on “Expanding Paradigms of Pedagogy”	07	Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh	Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh 13.04.2017 to 19.04.2017
9	Solid and Hazardous Waste Management	101	SWAYAM	Massive Open Online Course 25.01.2019 to 05.05.2019
10	Short term course on “Developing MOOCs”	05	RUSA	Academic Staff College, Panjab University, Chandigarh 26.08.2019 to 30.08.2019
11	UGC sponsored Short- term course on “Gender sensitization”	07	UGC-HRDC, Panjab University, Chandigarh	Academic Staff College, Panjab University, Chandigarh 13.12.2019 to 19.12.2019
12	IIC Innovation Ambassador Training series	02	MHRD’s Innovation Cell, AICTE	Lovely Professional University, Jalandhar, Punjab 16.01.2020 to 17.01.2020

13	Science Academies' Science Leadership Workshop	07	Central University of Punjab, Bathinda	Online 22.06.2020 to 28.06.2020
14	Faculty Development Program on 'e-Content: Designing and Deployment Using G Suite'	05	Department of Computer Science and Applications, Mehr Chand Mahajan DAV College for Women, Sector 36 A, Chandigarh	Online 20.07.2020 to 24.07.2020
15	Faculty Development Programme on "Academic writing"	07	Teaching Learning Centre, Ramanujan College under the aegis of Ministry of Education, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching	Online 18.02.2021 to 24.02.2021
16	Online Refresher course in "Teacher Education: Policies, Procedures & Perceptions (Interdisciplinary)"	14	UGC- Human Resource Development Centre, Panjab University, Chandigarh	Online 20.02.2021 to 05.03.2021
17	Innovation Ambassador training (Advanced level)	31	MoE's Innovation cell and AICTE	Online 30.06.2021 to 30.07.2021
18	Refresher Course in "Zoology"	15	Teaching Learning Centre (TLC) of Ramanujan college, University of Delhi in collaboration with Gargi College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)	Online 25.04.2022 to 09.05.2022
19	Faculty Development Programme on "Experimental Biotechnology"	120	NPTEL, AICTE	Online July to October, 2022

## CONTRIBUTION IN CO-CURRICULAR ACTIVITIES

- Established ***Drosophila* culture laboratory** in the Zoology department under the guidance of Dr. N.G. Prasad, Biology Division, IISER, Mohali for promoting research at undergraduate level.
- Set up **Vermiculture** and **vermicompost** units in the college campus to convert kitchen and garden waste into organic manure.
- Organized a **DBT Sponsored National Seminar cum Workshop** on “**New Dimensions in Eco- Management**” on 25.02.2014.
- Organized a **National level Seminar cum Workshop** on “**Trends in Animal Behavior Research**” sponsored by **College Development Council, Panjab University, Chandigarh** on 02.03.2015.
- Organized a Two-day **National Seminar** on “**Animal Diseases: Impact on Human Health and Control issues**” sponsored by **UGC** and **INSA** on 30.08.2016 & 31.08.2016.
- **Departmental coordinator** of all DBT sponsored activities from 2012 to 2018.

## CONTRIBUTION IN COLLEGE COMMITTEES

Name of the Committee	Convenor/ Coordinator/ Member	Contribution
Admission committee (B.Sc. I Medical)	Convener	Coordinating Online admissions of B.Sc. I Medical
Institution's Innovation Council (IIC)	Convener	Assistance in organizing calendar activities and self-driven activities of IIC
Mentorship committee	Convener	Organizing mentorship meets
MCM Eco-Club	Convener	Organizing all the activities of MCM Eco-Club
Renewable energy committee	Convener	Organizing all the activities of Renewable energy committee
Character building committee	Coordinator	Organizing character building related activities
Time table committee	Member	Framing time table for the odd and even semesters of B.Sc. Medical
Examination committee	Member	Participation in practical examination related work Checking internal assessment of B.Sc. I, II & III Medical
Quiz committee	Member	Organizing inter-college quiz competitions
NAAC committee	Member, AQAR coordinator (Criterion V)	Active participation in compilation of data for criterion-V
Purchase committee	Member	Checking and signing the quotations for the items to be purchased
Staff grievance cell	Member	Smooth functioning of the staff grievance redressal cell
Institutional Ethics committee	Member	Reviewing research proposals to ensure that they agree with ethical guidelines
UGC Affairs committee	Member	Disseminating information regarding various grants and schemes
Editorial Board, New Horizons	Member	Reviewing and final editing of research papers
Health committee	Member	Organizing Health related activities

Swachhta Committee	Member	Organizing Swachhta related activities
Student Council	Member	Duty during student elections
Social Responsibility committee	Member	Verifying the documents of needy students
Skill development committee	Member	Organizing skill-based activities
Library committee	Member	Purchase of library books
Add-on courses committee	Member	Organizing Add-on courses related activities
Stock checking	Member	Checking stock of Zoology department
India Today survey committee	Member	Compilation of Sciences data for India Today survey
The Week survey committee	Member	Compilation of Sciences data for The Week magazine survey