




DEPARTMENT OF ZOOLOGY
DYAL SINGH COLLEGE, UNIVERSITY OF DELHI
FACULTY DETAIL



Title	Dr.	First Name	Sanjiv	Last Name	Mullick	Photograph
Designation	Associate Professor					
Address	Department of Zoology Dyal Singh College University of Delhi New Delhi, India					
Phone No Office	011-24367819					
Residence	7838217232					
Mobile	9899121963					
Email	sanjivmullick@dsc.du.ac.in c.insanjivmullick@gmail.com il.com					
Web-Page	http://dsc.du.ac.in/faculty/					
Educational Qualifications						
Degree	Institution					Year
PhD (Insect Behavior)	University of Delhi					1999
MSc Zoology	University of Calcutta					1987
BSc (Hons) Zoology	University of Calcutta					1985
Career Profile						
Organization	Designation		Duration/Year		Role	
Department of Zoology Dyal Singh College University of Delhi Delhi	Associate Professor		2012 till date		Teaching and Research	
Department of Zoology Dyal Singh College University of Delhi Delhi	Reader		2009		Teaching and Research	
Department of Zoology Dyal Singh College University of Delhi Delhi	Assistant Professor (Senior Lecturer)		2006		Teaching and Research	
Department of Zoology Dyal Singh College University of Delhi Delhi	Lecturer (Temporary)		2004		Teaching and Research	

Department of Zoology Dyal Singh College University of Delhi Delhi	Lecturer (Ad-hoc)	2001	Teaching
Department of Zoology Ramjas College University of Delhi Delhi	Lecturer (Ad-hoc)	2000	Teaching
Insect Behaviour Research Laboratory Department of Zoology University of Delhi	PhD Scholar UGC JRF and SRF	1993 to 1999	Research
Delhi			
Department of Zoology J. N. College, LNMU, Madhubani	Lecturer (Ad-hoc)	1989 to 1992	Teaching
Administrative Assignments (From 1 st July 2017 onwards)			
Designation	Committee and Organization	Year/Duration	
Deputy Coordinator	Central Evaluation Centre Dyal Singh College	2010 – 2020	
Convener	Admission Committee BSc Life Sciences Dyal Singh College	2020	
Member	Organizing Committee Faculty Development Program Dyal Singh College	2018	
Member	Organizing Committee, Faculty Development Program, Dyal Singh College	2018	
Convener	Summer Research Internship Program (IQAC)	2019	
Member	Admission Committee BSc Life Sciences Dyal Singh College	2017, 2019	
Member	Screening Committee, Appointment of Assistant Professor in Zoology and Bengali	2020	

Subject Expert	Appointment of Assistant Professor in Zoology, Institute of Home Economics University of Delhi	2019
Member	Internal Quality Assurance Cell (IQAC), Dyal Singh College	2017 till date
Convener	Revision of Syllabus of DSE papers, BSc (Hons) Zoology, Department of Zoology, University of Delhi, Delhi.	2019
Convener Co-Convener	The Zoological Society Dyal Singh College	2019 2020
Areas of Interest / Specialization		
<p>Specialization: Applied Entomology, Insect Behavior, Insect-Plant Interactions, Bioinformatics.</p> <p>Research Interests: Research is focused on agricultural insect pests and their interactions with economically important crop plants. Studies also include role of volatile chemical signals emanating from plant surfaces that play important role in selection/ rejection of insect pests. Works also include to examine the post-ingestive effects of different nutrients, phytochemicals, nano-biopesticide formulations on lepidopteran insect pests. The research findings will help in the development of eco-friendly pest management strategies to increase food production by minimizing damage caused by insect pests in a sustainable manner.</p>		
Subjects Taught		
Animal Behaviour	Zoology, BSc(Hons), Part-III	
Animal Physiology	Zoology, BSc(Hons), Part-II	
Biostatistics, Bioinformatics, Computational Biology,	Zoology, BSc(Hons), Part-III	
Wildlife Conservation and Management and	Zoology, BSc(Hons), Part-III	
Evolutionary Biology.	Zoology, BSc(Hons), Part-III	
Research Guidance		
1. PhD Supervision		
i) Name of student- Dr. Tarun Kumar Vats, Dept. of Zoology, University of Delhi		
Title of PhD thesis: Biological activity of certain plant extracts against diamondback moth <i>Plutella xylostella</i> (Lepidoptera: Plutellidae)		
Year of award: 2015		
ii) Name of Student- Mr. Ankur, Dept. of Chemistry, University of Delhi Co-supervision for PhD degree since 2019.		
2. Research Guidance- Summer Internship		
No. of Students: 10		
Year: 2019		

Publications Profile
<ul style="list-style-type: none"> Singh, A. K. and Mullick, S. (1997). Effect of leguminous plants on growth and development of gram pod borer, <i>Helicoverpa. armigera</i> Indian J. Ent. 59 (2):209-214. Mullick, S. and Singh A. K. (2001). Effect of Leguminous Host Plants on Fecundity and Longevity of <i>Helicoverpaarmigera</i>(Hubner) (Lepidoptera: Noctuidae). Entomon 26 (2): 113-120 Singh A. K. and Mullick, S. (2002). Leaf volatiles as attractants for neonate <i>Helicoverpaarmigera</i>(Lep., Noctuidae) larvae. J. Appl. Ent. 126(1): 14-19 Vats T. K. , V rawal, Sanjiv Mullick, M, Rojina Devi, P. Singh and A. K. Singh (2019)'Bioactivity of <i>Ageratum conyzoides</i> (L.) (Asteraceae) on feeding and oviposition behaviour of diamondback moth <i>Plutellaxylostella</i>(L.) (Lepidoptera: Plutellidae) in 'International Journal of Tropical Insect Science, 39: 311-318, SpringerNature. Ankur, Sanjiv Mullick and Alka Gupta(2022).Development of Citronella essential oil-based Nanoemulsion and its larvicidal effects against <i>Spodopteralitura</i> (Fab.)(Lepidoptera: Noctuidae).4th International Conference on Materials, Manufacturing and Modelling (ICMMM2023), 10-12 March, 2023, VIT, Vellore, India (paper accepted for publication in Materials Toady: Proceedings).
Conference Organization/ Presentations
<ul style="list-style-type: none"> Mullick, S. and A. K. Singh (2000). Feeding responses and growth of <i>Helicoverpaarmigera</i>(Lepidoptera: Noctuidae) larvae maintained on chickpea, cowpea, blackgram and pigeonpea diets. XXI International Congress of Entomology, Londrina, Brazil, 22-27 August 2000 (posterpresented). Singh, A. K. and S. Mullick (2000). Orientational responses of neonate <i>Helicoverpaarmigera</i>larvae towards leaves of different leguminous plants. XXI International Congress of Entomology, Londrina, Brazil, 22-27 August 2000.(posterpresented) Mullick, S. and A. K. Singh (2000). Suitability of flower buds and pods of leguminous crops for development of <i>Helicoverpaarmigera</i>Hubn. (Lepidoptera: Noctuidae). In: Abstracts of 3rdInternational Crop Science Congress, 17-22 August 2000, Hamburg, Germany, 92pp. Mullick,S.andSinghA.K.(2000).Effectofleguminouscropsonfecundityandlongevity of <i>Helicoverpaarmigera</i>Hubn. (Lepidoptera: Noctuidae). Entomocongress 2000, Trivandrum, India, 5-8 November 2000 (oral paper presented). Mullick, S. and Singh A. K. (2004). Development and survival of <i>Helicoverpaarmigera</i>(Hübner)(Lepidoptera:Noctuidae)fedonseedpowderofdifferentleguminousplants(oral paperpresentedatXXIIIInternationalCongressofEntomology,Brisbane,Australia.15- 21 August,2004). Mullick, S. and Singh A. K. (2012). Orientation of neonate <i>Helicoverpaarmigera</i> (Lepidoptera: Noctuidae) towards flower buds and pods of leguminous crops. International Symposium on Insects (ISol 2012) , Kuala Lumpur, Malaysia, 3-5 Dec, 2012 (oral paperpresented). Vats T. K., Rawal V., Singh A. K. and S. Mullick (2015). Antifeedant Activity of <i>Ageratum conyzoides</i>(L.) (Asteraceae) Extracts against <i>Plutellaxylostella</i>(L.)(Lepidoptera: Plutellidae) at 17th International Conference of Entomology, Dec-3-4, 2015, Penang, Malaysia (oral paperpresentation) Vats T. K., Rawal V., Singh A. K. and S. Mullick (2015). Oviposition Deterrence Activity of <i>Calotropis procera</i>R.Br (Asclepiadaceae) Extracts against <i>Plutellaxylostella</i>(L.)(Lepidoptera:

<p>Plutellidae) at International Conference of Entomology, Dec-3-5, 2015, Patiala , Punjab, India .(posterpresentation)</p> <ul style="list-style-type: none"> Agarwal, V.P. Mullick, S. Mohindra, P., Yadav M. et al. (2018). Animal E-museum: An ICT tool for undergraduate students, poster presented at National Science Day 2018 celebration, INSA, New Delhi.(posterpresentation) Vats T. K., Rawal V., Singh A. K. and S. Mullick (2019). Feeding deterrence of <i>Plutellaxylostella</i>(L.)(Lepidoptera: Plutellidae) by Foliage Extracts of <i>Calotropis procera</i>R.Br (Asclepiadaceae) at National Conference on 'Insect-Plant Biology in 21st Century, Nov- 4-5, 2019, organized by Dept. of Zoology, Deshbandhu College, University of Delhi (oralpresentation) Ankur, Alka Gupta, Sanjiv Mullick and Rahul Goel (2020). Nano-encapsulated bio- pesticide formulation: Synthesis, characterization and bio-efficacy of nano-encapsulated lemon grass essential oil against <i>Spodoptera litura</i>(Fab.)(Lepidoptera: Noctuidae) at International Conference on Nano Science & Technology (ICNOSAT 2020) 5-7th March 2020, DST Nanomission, Kolkata.(posterpresentation). 	
Research Projects (Major Grants/Research Collaboration)	
<p>Project: DSC- 301 - E-museum development for Fauna listed in Delhi University Syllabus Funding: INR 5,00, 000; Funding Agency: University of Delhi P.I: Dr. V. P. Aggarwal; Co-PI's: Dr. Sanjiv Mullick; Dr. Poonam Mohindra; (2015-2016)</p> <p>Project: DS 206 – Development of electronic database of internal morphology of plants and animals listed for undergraduate course of Delhi University. Funding: INR 6,50, 000; Funding Agency: University of Delhi P.I: Dr. V. P. Aggarwal; Co-PI's: Dr. Sanjiv Mullick; Dr. Poonam Mohindra; Dr. P. V. Arya (2014-2015)</p> <p>Project: DSC 301 – Development of Zoology E-museum for courses in University of Delhi. Funding: INR 7,00, 000; Funding Agency: University of Delhi P.I: Dr. V. P. Aggarwal; Co-PI's : Dr. Anita Goel; Dr. Sanjiv Mullick; Dr P. V. Arya. (2012-2013)</p>	
Awards and Distinctions	
1993-1995	Junior ResearchFellowship
1995-1998	Senior Research Fellowship; both the fellowships awarded byUniversity Grant Commission, New Delhi,India.
2012	Travel grant for attending International Conference in Malaysia, Awardedby University of Delhi.
Association With Professional Bodies	
Entomological Society of India	
Other Activities like MOOCs/ Patents etc.	

Dr Sanjiv Mullick
Signature of the Faculty