

**CURRICULUM -VITAE
OF**

DR. KALPANA SINGH
DEPARTMENT OF ZOOLOGY
UNIVERSITY OF LUCKNOW
LUCKNOW-226 007 (INDIA)

MAY-2026

Dr. Kalpana Singh

1. **Current Position** : Associate Professor (Stage 4: AGP 9000)
2. **Address of Correspondence** : Department of Zoology
University of Lucknow
Lucknow-226 007 (India)
Mobile: +91 7897466272
E-Mail: singh_kalpana@lkouniv.ac.in
3. **Date of Birth** : 13 October, 1979
4. **Educational Qualifications** : M.Sc. (Zoology)
UGC- CSIR-NET
Ph.D. (Zoology) (Please See Annexure I)
5. **Teaching Experience** : ~21 years
6. **Research Experience** : ~24 years
7. **Broad Area of Research** : Zoology (**Applied Zoology**)
8. **Positions held:** : Lecturer,
Lecturer (Senior Scale)
Assistant Professor (Stage 2: AGP 7000),
Assistant Professor (Stage 3: AGP 8000),
Associate Professor (Stage 4: AGP 9000) Ongoing
Department of Zoology, University of Lucknow,
9. **Title of thesis for doctoral degree:** ‘**An Investigation on Certain Aspects of Reproductive Behaviour in an Aphidophagous Ladybird Beetle, *Cheilomenes sexmaculata*’ (2006).**

10. a) Fellowships Awarded: (Annexure-II)

- i) **Junior Research Fellow** (CSIR, New Delhi): Contribution on Certain Aspects of Reproduction and Predation in an Aphidophagous Ladybird beetle, *Cheilomenes sexmaculata* (Fabricius). January 01, 2003- January 01, 2005
- ii) **Senior Research Fellow** (CSIR, New Delhi): Contribution on Certain Aspects of Reproduction and Predation in an Aphidophagous Ladybird beetle, *Cheilomenes sexmaculata* (Fabricius). January 1, 2005- Sept 20, 2005

b) AWARDS/ FELICITATIONS

- i) **Fellowship of Asian Biological Research Foundation (FABRF), 2019**
- ii) **Honorary Fellowship of Society of Society of Life Sciences (FSLs), 2020**
- iii) **“SLS Recognition Award: by Society of Life Sciences, 2022**
- iv) **“Green Scientist Award” by Sarvahit Kalyan Samiti, 2024**
- v) **“Best Faculty Award for Research Innovations” by Glocal Environment and Social Association (GESA), 2025**
- vi) **“Prof. G. K. Kulkarni Medal” by Zoological Society of India (ZSI)- Gaya , 2026**

PATENTS: (02)

1. UK Design Grant (Sep., 2025): “Photocatalytic Laboratory Apparatus for Employing TiO₂ Nanoparticles Derived from Saffron Extracts” Design number: 6469440; Grant date: 12 September 2025; Registration date: 03 September 2025; International Design Classification: Version: 15-2025, Class: 24 MEDICAL AND LABORATORY EQUIPMENT, Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES;

2. UK Design Grant (Feb., 2026): “Synthesis Laboratory Device for Measurement of Photoluminescence “ Design number: Design number: 6499901; Grant date: 04 February 2026; Registration date: 17 January 2026; International Design Classification: Version: 15-2025, Class: 24 MEDICAL AND LABORATORY EQUIPMENT Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES

11) Research Contribution & Training: Please See Annexure-II

Annexure-I
(Educational Qualifications)

S. No.	Name of Examination	Board/ University & College	Year	Subject (s)	%age	Division
1.	10	C.B.S.E. (A.I.S.S.E.) Navyuga Radiance Senior Secondary School, Lucknow	1994	English Maths Hindi So. Science Science	62.2	Ist
2.	10+2	C.B.S. E. (A.I.S.S.C.E) Navyuga Radiance Senior Secondary School Lucknow	1996	English Biology Chemistry Physics Maths	67.6	Ist
3.	B. Sc.	Navyuga Kanya Degree College Lucknow	1999	Zoology Botany Chemistry	65.2	Ist
4.	M. Sc.	Lucknow University Lucknow	2001	Zoology (Entomology)	72.6	Ist
5.	NET	CSIR UGC NET Examination (June 2002)	June 2002	Life Sciences	CSIR JRF & SRF	2-6/2002(I) EU.II
6.	Ph.D.	Title of Thesis: ' An Investigation on Certain Aspects of Reproductive Behaviour in an Aphidophagous Ladybird Beetle, <i>Cheilomenes sexmaculata</i>' (2006). From University of Lucknow				

Annexure-II

(Research Contributions & Training)

12. Proceedings/ Technical Bulletin:

- (i) **Modern Approaches to Insect Pest Management** (2010) (eds. Omkar, Mishra, G. & **Kalpana Singh**) Centre of Excellence, Department of Zoology, University of Lucknow, Lucknow.

13. Training for Research & Teaching

- (i) U.G.C. sponsored **Orientation Programme** at Academic Staff College, University of Lucknow, Lucknow from Sept. 1-29, **2008**.
- (ii) U.G.C. sponsored **Refresher Course** in Zoology in the Academic Staff College, University of Lucknow from January Jan. 9-30, **2010**.
- (iii) U.G.C. sponsored **Refresher Course** in Zoology in the Department of Zoology, University of Lucknow from Jan. 16- Feb. 06, **2012**.
- (iv) U.G.C. sponsored **Refresher Course** in Zoology in the Department of Zoology, University of Lucknow from Feb. 05-25, **2014**.
- (v) One Day **Training Programme** on Biodiversity & Its Conservation sponsored by Uttar Pradesh State Biodiversity Board, Lucknow; Organised by Biodiversity and Wildlife Conservation Lab, Department of Zoology, University of Lucknow, Lucknow on March, 28, 2014
- (vi) **Short Term Course** on “Strategic Planning and Management of Technical Institutions through ICT” Conducted by Entrepreneurship Development & Industrial Coordination Department held at UP Textile Technology Institute, Kanpur between 17.08.**2015**-21.08.**2015** (one week)
- (vii) **Short Term Training Programme** on “Research Methodology” held at UP Textile Technology Institute, Kanpur between September 05-09, **2016** (one week)
- (viii) **Short Term Training Programme** on “Yoga: A Holistic Approach to Health and Well Being” held at UP Textile Technology Institute, Kanpur between September June 21-27, **2017** (one week)
- (ix) Two weeks **Faculty Development Training Programme** sponsored by Department of Science & Technology, Government of India, New Delhi and Organized by Centre for

Industrial and Management Consultants, Kanpur at Uttar Pradesh Textile Technology Institute, Kanpur (09.04.2018 to 21.04.2018)

- (x) Seven days' **Workshop on Data Analytics Using SPSS** organized by Department of Statistics, University of Lucknow (February 19-25, 2019)

14. Membership of Academic Bodies

- (i) Life Member, **Indian Science Congress Association (ISCA)**, Kolkata (WB), India; LM no.: L28719
- (ii) Life Member, **International Society of Applied Biology (ISAB)**, Lucknow (UP), India; LM no.: 80
- (iii) Life Member, **Asian Biological Research Foundation (ABRF)**, Prayagraj (UP), India; LM no.: 2.11.2019
- (iv) Life Member, **Glocal Environment & Social Association (GESA)**, Prayagraj (UP), India; LM no.: 163/2019
- (v) Life Member, **Society of Life Sciences (SLS)**, Satna (MP), India; LM no.: 20.03.2020
- (vi) Life Member, **Zoological Society of India (ZSI-Gaya)**, Gaya (Bihar), India; LM no.: K-76

15. Administrative/ Academic Experience

- (i) **Member**, Departmental Research Committee, University of Lucknow, Lucknow.
- (ii) **Member**, Board of Studies in Zoology, University of Lucknow, Lucknow.
- (iii) **Member**, Faculty Board of Science, University of Lucknow, Lucknow
- (iv) **Assistant Superintendent** for conduct of UG & PG Annual exams, University of Lucknow, Lucknow
- (v) **Head Examiner**, B.Sc. Zoology Practical Examinations, University of Lucknow.
- (vi) Worked as **Subject Expert**, selection of Fellows in projects at Universities of Lucknow.
- (vii) **Co-organised** Symposium: NATIONAL SYMPOSIUM ON MODERN APPROACHES IN INSECT PEST MANAGEMENT (2010) as **Co-Organising Secretary**
- (viii) **Assistant Provost**, Golden Jubilee Girls Hostel, University of Lucknow
- (ix) **Organised Webinar: Forensic Entomology and its Relevance in Legal Proceedings (2020) as Convener**

- (x) **Organised** Conference : 2nd International Web Conference on Environment and Society (ICES 2020) (GESA) as **Co-Convener**
- (xi) **Organised** International Conference: 36th Congress of Zoology and International Conference on Innovations in Life Sciences for Sustainable Development in : -2025 (ILSSD-2025) as **Joint Organising Secretary**

16. Curriculum Development

- (i) Participation in the revision of various U.G. Zoology syllabi in the Department
- (ii) Participation in the revision of various P.G. Zoology syllabi in the Department
- (iii) Participation in the development of Pre-Ph.D. Zoology syllabus in the Department.

17. Research Projects

Ongoing:

S. No	Title	Cost in Lakh	Duration	Your Role (PI/Co-PI)	Agency
1.	Effect of Indian Classical Music on Ethophysiology of a Rodent	280,000 for First Year	3 years	PI	Research & Development Grant, Uttar Pradesh Government

Submitted:

- (i) Submitted under Centre of Excellence Scheme to CST-UP: “Evaluation of Effect of Indian Classical Music on Certain Aspects of Immuno-histochemistry of Albino Rats” in May 2026

18. Research Supervision**Ph.D. Theses****Ph.D. Awarded (05)**

S. No.	Name of Scholar	Title of Thesis	Date of Registration	Date of Award
1.	Dr. (Mrs.) Sunita Rawat	Investigation on Bio-ecology of a Sarcophagus Fly	2011	2017
2.	Dr. (Ms.) Reema Sonker	Investigation on Ecological Succession of Arthropod Communities over a dead animal Forensic purview	2011	2019
3.	Dr. Jaipal Bhargava	Investigations on Certain Aspects of Ecology of Tasar Silkworm in Uttar Pradesh	2016	2024
4.	Dr. (Mrs.) Shilpa Nandan	Investigation on effect of certain medicinal plants on <i>Aedes</i> Population	2016	2024
5.	Dr. Reena Kumari Chaudhary	Investigation on larvicidal property of certain plants on <i>Anopheles</i> Population	2016	2024

Ph.D. Currently Under Supervision (06)

S. No.	Name of Scholar	Title of Thesis	Date of Registration	Date of Award
1.	Ms. Reetu Singh	Ethology of An Albino Rat Exposed to Indian Classical Music (Raga Darbari)	2019	Submitted March 2026
2.	Ms. Nikita Katiyar	Modulation of Etho-physiology of Albino Rat by Indian Classical Instrumental Music (Raga Bhairavi)	2021	Submitted April 2026
3.	Ms. Monika Yadav	Ethology of An Diabetic Albino Rat Exposed to Indian Classical Music (Raga Bhim Palasi)	2023	Ongoing
4.	Ms. Sadiya Siddiqui	Therapeutic Influence of Indian Classical Music On The Alzheimer's Diseased Rat	2024	Ongoing
5.	Ms. Shraddha Yadav	Evaluation of Indian Classical Music A Nonpharmacological Intervention In Blood Pressure regulation In Rats	2024	Ongoing
6.	Ms. Rohit Yadav	Therapeutic Influence of Indian Classical Music (Raga Bageshri) on certain ethophysiological parameters of diabetic rats	2024	Ongoing

M.Sc. Dissertation Awarded (08)

S. No.	Name of Scholar	Title of Dissertation	Date of Registration	Date of Award
1.	Ms. Pragya Vashishtha	Investigations on Ultra Structure of Wings of Butterflies <i>Delias eucharis</i> & <i>Papilio polytes</i>	2021	2023
2.	Ms. Ankita Singh	Investigations on Ultra Structure of Antennae of Butterflies <i>Delias eucharis</i> & <i>Papilio polytes</i>	2021	2023

3.	Ms. Mahima Tripathi	An Investigation on Ultra Structure of Wings & Antennae of a Butterfly <i>Cepora nerissa</i>	2022	2024
4.	Ms. Kumari Niharika	An Investigation on Ultra Structure of Wings & Antennae of a Butterfly <i>Argyreus hyperbius</i>	2022	2024
5.	Ms. Shraddha Kushwaha	An Investigation on Ultra Structure of Wings & Antennae of a Butterfly <i>Echinargus isola</i>	2022	2024
6.	Ms. Khushi Yadav	Effect of Music Therapy In Modulating Stress Induced Alterations In Brain and Testicular Oxidative Balance In male <i>Rattus norvegicus</i>	2023	2025
7.	Ms. Nivedita Singh	Modulatory Role of Music Therapy On Stress - Induced Anxiety-like Behaviour And Oxidative Changes In The Renal And Hepatic Tissues of Female Rats	2023	2025
8.	Ms. Vaibhavi	Therapeutic Efficacy of Music In mitigating CUMS -Induced Cognitive Deficits And Oxidative Stress In The Brain And ovary of female Rats	2023	2025
9.	Ms. Laiba Khatoon	Integrated Assessment of Acoustically Modulated Cognition, Repetitive Behaviour, and Hepato-renal Pathology in wistar rats	2024	Ongoing
10.	Ms. Prabha Singh	Acoustically Modulated Associations Between Behavioural Rhythmically, Motor Performance and Neuro-reproductive Histology in Wistar Rats	2024	Ongoing
11.	Ms. Ritika Diwaker	Acoustically Modulated Integrated Anxiety, Thermological and Hematological Evidence of Stress-Related Cardio-splenic Alterations in Wistar Rats	2024	Ongoing

19. Invited talks (06)

Invited Lectures
(i) Invited Lecture on “ Technical Advances in Forensic Entomology ” in the National Conference on “Biotechnological Developments and Societal Benefits: Present Status and Future Prospects ” organized by Sky Institute, Kursi road, Lucknow, Uttar Pradesh (April 8-9, 2015)
(ii) Invited Lecture as Resource speaker during Faculty Development Programme on “ Quality Management in Engineering Materials ” held at UP Textile Technology Institute Kanpur on June 20-25, 2016 on the topic “Quality Management in Sericulture”
(iii) Invited Lecture in International Conference on Advance Materials, Textiles and Processes (ICAMTP-2017) (Oct. 14-15, 2017) held at Uttar Pradesh Textile Technology Institute, Kanpur (UP) on the topic “Ecological Impact of Silk Textile Industry”
(iv) Invited Lecture to PG students of Department of Zoology, Isabella Thoburn College, Lucknow (Feb. 02, 2018) on the topic “Forensic Entomology: Scope & Challenges”
(v) Invited Lecture in One Day Workshop on Effective Technical Communication (Aug. 22, 2019) held at Uttar Pradesh Textile Technology Institute, Kanpur (UP) on the topic “Technology & Teaching”
(vi) Invited Lecture in the “ International Conference on Nature, Science and Modern Lifestyle: Issues and Perspectives ” (ICNSMLIP-2024) (Dec. 28-29, 2024) held in Pioneer Inter College, Lucknow

Publications of Dr. Kalpana Singh

(a)Books/Manuals/Monographs (05)

S. No.	Author's / Editor's Name/s	Title	Publication details	Date/ Year of Publication
1.	Eds. Dr. Jitendra Pratap Singh, Dr Prashant Vishnoi, Er. Shanu Prabhakar, Dr. Kalpana Singh , Dr. AKS Gangwar, Dr. Devendra Prasad, Dr. Shiv Govind Prasad	<i>Advances in Textile Materials and Processes ATMP-2021 (Vol-1)</i>	INSC International Publishers ISBN: 978-1-68576-250-6	2021
2.	Monisha Banerjee, Kalpana Singh & Jyotika Rajawat	<i>A Concise Guide on Report Writing & Presentation Skills</i>	IIP Publications. ISBN: 978-93-5747-240-1	2023
3.	Kalpana Singh	<i>A Concise Guide of Scientific Writing & Communication</i>	IIP Publications. ISBN: 978-93-5747-634-8	2024
4.	Eds. Prof. M. Serajuddin, Prof. Monisha Banerjee & Kalpana Singh	<i>Functional Biology and Biotechnology</i>	Excellent Publishing House, ISBN: 978-93-94086-81-4	2025
5.	Eds. Dr. Kalpana Singh , Dr. Anand Kolkala, Ms. Anu Chaudhary, Mr. Anup Kumar Verma	<i>Advances in Life Science: Concepts, Trends and Applications</i>	Nature Light Publications, Pune ISBN: 978-93-49938-97-7	2025
	Kalpana Singh	<i>A Concise Guide of Science Research Methodology and Dissertation Writing</i>	Manuscript Under Preparation	(tentative)
	Kalpana Singh	<i>Bio-Musicology: Indian perspective of Musical Panacea</i>	Manuscript Under Preparation	(tentative)

(a)Published / Accepted Research Articles/ Reviews / Editorials

S. No.	Author's Name/s	Title	Details	Date of Publication
1.	Omkar, Mishra G. & Kalpana Singh	Effect of Different Wavelengths of Light on the Life Attributes of Two Aphidophagous Ladybirds	<i>European Journal of Entomology</i> 102(1), 33-37	2005
2.	Omkar, Kalpana Singh & Pervez Ahmad	Influence of mating duration on fecundity and fertility of two aphidophagous ladybirds	<i>Journal of Applied Entomology</i> , 130 (2), 103–107, March 2006	March 2006
3.	Omkar, Satyendra K. Singh & Kalpana Singh	Effect of age on reproductive attributes of an aphidophagous ladybird. <i>Cheilomenes sexmaculata</i>	<i>Insect Science</i> , 13(4), 301–308	August 2006
4.	Omkar & Kalpana Singh	Rhythmicity in Life Events of an Aphidophagous Ladybird Beetle, <i>Cheilomenes sexmaculata</i>	<i>International Journal of Tropical Insect Science</i> , 131(2), 85–89	March 2007
5.	Kalpana Singh & Omkar	Effect of Parental Ageing on Offspring Developmental and Survival Attributes in an Aphidophagous Ladybird, <i>Cheilomenes sexmaculata</i>	<i>Journal of Applied Entomology</i> , 133(7), 500–504	August 2009
6.	Kalpana Singh & Jitendra Pratap Singh	Biological Pest Control in Cotton. <i>Asian Textile Journal</i>	21 (7), 68-75, July 2012, ISSN 0971 3425	2012
7.	Jitendra Pratap Singh & Kalpana Singh	Fibre Examination, the Crucial Evidence in Forensic Science. <i>Asian Textile Journal</i>	22(7), 75-79, July 2012. ISSN 0971 3425	2013
8.	Jitendra Pratap Singh & Kalpana Singh	Fiber Examination in Forensic Science	Editorial in <i>Journal of Textile Science and Engineering</i> . 3 (2), 1-2; doi 10.4172/2165-8084.1000e116	2013
9.	Kalpana Singh & Omkar	Investigation on rhythmicity in oviposition of an Aphidophagous Ladybird Beetle <i>Cheilomenes sexmaculata</i> (Coleoptera: Coccinellidae)	<i>Biological Rhythm Research</i> . 45:2, 235-245	2014
10.	Kalpana Singh	Biocontrol: An Overview	<i>International Journal of Scientific and Innovative Research</i> . 2(1): 83-89	2014
11.	Sunita Rawat, Reema Sonker & Kalpana Singh	Forensic Insects Facilitate Ecological Recycling	<i>International Journal of Scientific and Innovative Research</i> . 2(1): 105-106, P-ISSN2347-2189, E-ISSN 2347-4971	2014
12.	Reema Sonker, Sunita Rawat & Kalpana Singh	Succession and Life cycle of Beetles on Exposed Carcass	<i>International Journal of Scientific and Innovative Research</i> , 3(1): 46-50, P-ISSN2347-2189, E-ISSN 2347-4971	2015
13.	Sunita Rawat, Reema Sonker & Kalpana Singh	Pupal Diapause in Flesh fly <i>Sarcophaga dux</i>	<i>International Journal of Scientific and Innovative Research</i>	2015

	Singh		<i>Research</i> , 3(1): 51-54, P-ISSN 2347-2189, E-ISSN 2347-4971	
14.	Kalpana Singh and Shilpa Nandan	Effect of Plant Extracts on Mosquito Population	<i>International Journal of Scientific and Innovative Research</i> , 5 (2): 55-62, P-ISSN 2347-2189, E-ISSN 2347-4971	2017
15.	Sunita Rawat, Reema Sonker & Kalpana Singh	Response of Adult Eclosion of <i>Sarcophaga dux</i> on different Pupation Substrates	<i>International Journal of Biological Sciences</i> , 8(1): 59-61, ISSN: 0976-4518	2018
16.	Kalpana Singh (2018)	Aging in Insects: An Overview	<i>International Journal of Scientific and Innovative Research</i> , 6 (2): 12-19, P-ISSN 2347-2189, E-ISSN 2347-4971	2018
17.	Reema Sonker, Sunita Rawat and Kalpana Singh	Factors Affecting Arthropod Succession on a Dead Animal	<i>International Journal of Scientific and Innovative Research</i> , 6 (1): 11-22, P-ISSN 2347-2189, E-ISSN 2347-4971	2018
18.	Shilpa Nandan & Kalpana Singh	Dengue Epidemiology	<i>International Journal on Biological Sciences</i> , 10 (2): 86-89, ISSN No.: 0976-4518	2019
19.	Shilpa Nandan, Reena Kumari Chaudhary & Kalpana Singh	Larvicidal activity of <i>Musa acuminata</i> (Musaceae) Plant Leaf extracts dissolved in different chemical solvents against <i>Aedes albopictus</i> (Diptera: Culicidae)	Journal of Pharmacy & Biological Sciences, 15 (3): 65-69, e-ISSN: 2278-3008, p-ISSN : 2319-7676	2020
20.	Shilpa Nandan, Reena Kumari Chaudhary & Kalpana Singh	Survey of Mosquito Diversity in Different Areas in and Around Lucknow (UP) in Different Season	Annals of Forest Research, 65 (1): 3929-3937, ISSN No. 18448135, 20652445	2022
21.	Reena Kumari Chaudhary, Shilpa Nandan & Kalpana Singh	Survey of Mosquito Population In and Around Lucknow (UP) Region	International Journal of Food And Nutritional Sciences, 11 (3): 3356-3365 ISSN No. 23191775 Online 23207876	2022
22.	Jaipal Bhargava & Kalpana Singh	Comparative Study of Mulberry Silkworm (<i>Bombyx mori</i> L.) Rearing in Persendi (Chaki) Block Region of Sitapur District And In-Vitro Studies in Lucknow Region	<i>International Journal of Food And Nutritional Sciences</i> , 11 (3): 3402-3412 ISSN No. 23191775 Online 23207876	2022
23.	Reena Kumari Chaudhari, Shilpa Nandan & Kalpana Singh	Evaluation of larvicidal efficacy of different solvent extracts of <i>Musa acuminata</i> Leaf against the malaria vector <i>Anopheles stephensi</i>	<i>Neuroquantology</i> , 20 (19), 13965-3973	2022
24.	Jaipal Bhargava & Kalpana Singh	Seasonal Effect of Different Food Plants on Cocoon Characteristics of Tasar Silk Moth <i>Antheraea mylitta</i> Drury	<i>Neuroquantology</i> , 20 (19), 13956-3964	2022
25.	Kalpana Singh and	Tasar Sericulture: A Sustainable	Annals of Science and	2023

	Jaipal Bhargava	Economical Booster	Allied Research. 1: 97-107. https://doi.org/10.5281/zenodo.10479569	
26.	Reetu Singh, Akash Asthana and Kalpana Singh	Music intensity-dependent modulation of anxiety and social behaviour in rats: Effect of Raga Darbari.	Frontiers in Health Informatics, 13(8), 7947–7955. ISSN 2676-7104.	2024
27.	Reetu Singh and Kalpana Singh	Duration-Dependent Effects of Auditory Music Stimulation on Physiological and Behavioural Parameters in Wistar Rats	Vascular and Endovascular Review, Vol.8, No.20s, 291-296	2025
28.	Nikita Katiyar and Kalpana Singh	Behavioral and physiological impact of music therapy (Raga Bhairavi) on male wistar rats exposed to chronic stress	Journal of Experimental Zoology India 29, 261-268. DOI: https://doi.org/10.51470/jez.2026.29.1.261	2026

(c) Book Chapters

S. No.	Author's Name/s	Title	Details	Date of Publication
1.	Kalpana Singh	Forensic Entomology: Avenues and Challenges	Functional Biology and Biotechnology, 16-19, ISBN: 978-93-83083-58-9	2014
2.	Reema Sonker, Sunita Rawat & Kalpana Singh	Seasonal Influence on the variety and occurrence pattern of Dipteran flies over carrion	<i>Biodiversity and Environment, 70-73, ISBN: 978-93-83083-57-2</i>	2014
3.	Sunita Rawat, Reema Sonker & Kalpana Singh	Seasonal Variation in Growth and Development of a Forensically Important Flesh Fly, <i>Sarcophaga dux</i> (W.)	<i>Functional Biology and Biotechnology, 51-55, ISBN: 978-93-83083-58-9</i>	2014
4.	Kalpana Singh	Use of Molecular Techniques in Assessment of Biodiversity of Forensic Fauna	Biodiversity, Environment and Functional Biology, 98-101, ISBN: 978-93-84935-15-3	2015
7.	Reema Sonker, Sunita Rawat & Kalpana Singh	Biodiversity of Forensic Fauna: Coleoptera	<i>Biodiversity, Environment and Functional Biology, 93-97, ISBN: 978-93-84935-15-3</i>	2015
8.	Sunita Rawat, Reema Sonker & Kalpana Singh	Myiasis	<i>Biodiversity, Environment and Functional Biology, 181-185, ISBN: 978-93-84935-15-3</i>	2015
9.	Reema Sonker and Kalpana Singh	Ecological Influence on the Forensically Important Flies of the Family Calliphorida	<i>Xenobiotics, Environment and Functional Biology. AMIGA Press Inc, 221-231; ISBN: 978-93-84533-51-9</i>	2018
10.	Kalpana Singh	Tasar Sericulture: A Promising Venture.	<i>Recent Trends in Science, Technology, Agriculture and Management. Oura Prakashan & Book Distributors Pvt. Ltd., 234-237; ISBN: 978-81-935728-4-9</i>	2019
11.	Reema Sonker & Kalpana Singh	Seasonal comparison of diversity of forensically important dipteran fauna of Kanpur U.P., India.	<i>Recent Trends in Science, Technology, Agriculture and Management. Oura Prakashan & Book Distributors Pvt. Ltd., 91-95; ISBN: 978-81-935728-4-9</i>	2019
12.	Jaipal Bhargava & Kalpana Singh	Impact of environmental variations on tropical tasar silkworm.	<i>Recent Trends in Science, Technology, Agriculture and Management. Oura Prakashan & Book Distributors Pvt. Ltd., 86-90; ISBN: 978-81-935728-4-9</i>	2019
13.	Shilpa Nandan & Kalpana Singh	A report on current status & management of dengue.	<i>Recent Trends in Science, Technology, Agriculture and Management. Oura Prakashan & Book Distributors Pvt. Ltd., 234-237; ISBN: 978-81-935728-4-9</i>	2019
14.	Reena Kumari Chaudhary &	Effect of climatic factors on malaria incidences.	<i>Recent Trends in Science, Technology, Agriculture and Management. Oura</i>	2019

	Kalpana Singh		Prakashan & Book Distributors Pvt. Ltd., 195-202; ISBN: 978-81-935728-4-9	
15.	Shilpa Nandan Singh & Kalpana Singh	Dengue Prevention.	<i>Advance Research Trends in Medical & Clinical Sciences.</i> MKSES Publications, Lucknow, India. Vol 1. 74-85; ISBN: 978-93-91248-55-0	2023
16.	Reena Kumari Chaudhary & Kalpana Singh	<i>Anopheles: The Deadly Demon.</i>	<i>Advance Research Trends in Medical & Clinical Sciences.</i> MKSES Publications, Lucknow, India. Vol 2. 81-88; ISBN: 978-93-91248-56-7	2023
17.	Nikita Katiyar & Kalpana Singh	The Clinical Effect of Music: Music Therapy. <i>Advance Research Trends in Medical & Clinical Sciences.</i>	MKSES Publications, Lucknow, India. Vol 2. 100-107; ISBN: 978-93-91248-56-7	2023
18.	Simran & Kalpana Singh	Music: A Curative Medicine for Hypertension.	<i>Advance Research Trends in Medical & Clinical Sciences.</i> MKSES Publications, Lucknow, India. Vol 1. 95-98; ISBN: 978-93-91248-55-0	2023
19.	Kalpana Singh	Tasar Culture: A Profitable & Sustainability Industry.	Wildlife and Conservation Strategies in Current Environmental Scenario. 370-393; ISBN: 978-93-5470-692-9	2023
20.	Jaipal Bhargava & Kalpana Singh	Biological Aspects of Tasar Sericulture: A Review.	Wildlife and Conservation Strategies in Current Environmental Scenario. 358-369; ISBN: 978-93-5470-692-9	2023
21.	Shilpa Nandan & Kalpana Singh	Recent Studies in Management of Dengue Vector, <i>Aedes</i> Mosquito through Herbal Formulations: A Review.	Wildlife and Conservation Strategies in Current Environmental Scenario. 342-350; ISBN: 978-93-5470-692-9	2023
22.	Reena Kumari Chaudhary & Kalpana Singh	Latest Developments in Management of Mosquito through Plant Extracts.	Wildlife and Conservation Strategies in Current Environmental Scenario. 311-317; ISBN: 978-93-5470-692-9	2023
23.	Kalpana Singh	Raga Therapy: Music as Alternative Therapeutic Modality.	Emerging Trend in Sciences and Allied Sciences. Nature Light Publications, Pune. 90-104; ISBN: 978-81-959483-9-0	2024

24.	Jaipal Bhargava & Kalpana Singh	Sericulture: Types of Silk.	Emerging Trend in Sciences and Allied Sciences. Nature Light Publications, Pune. 217-223; ISBN: 978-81-959483-9-0	2024
25.	Shilpa Nandan & Kalpana Singh	Mosquitoes of Lucknow: A Brief Description of Survey of Selected Sites of conducted between 2018-2019.	Emerging Trend in Sciences and Allied Sciences. Nature Light Publications, Pune. 36-50; ISBN: 978-81-959483-9-0	2024
26.	Reena Kumari Chaudhari & Kalpana Singh	Biodiversity of Mosquitoes: Seven Years (2013-2019) Account with Special Reference to <i>Anopheles</i> (Diptera: Culicidae).	Emerging Trend in Sciences and Allied Sciences. Nature Light Publications, Pune. 144-158; ISBN: 978-81-959483-9-0	2024
27.	Nikita Katiyar & Kalpana Singh	Music Therapy: Healing Power of Music.	Emerging Trend in Sciences and Allied Sciences. Nature Light Publications, Pune. 197-202; ISBN: 978-81-959483-9-0	2024
28.	Monika Yadav & Kalpana Singh	Bio-musicology: A Musically Therapeutic Perspective in Uttar Pradesh, India.	Emerging Trend in Sciences and Allied Sciences. Nature Light Publications, Pune. 119-123; ISBN: 978-81-959483-9-0	2024
29.	Kalpana Singh	The Future of Zoology: Innovations, Challenges and Opportunities	Frontiers in Zoological Methods: Technology Driving Discovery. Nature Light Publications, Pune. 01-17; ISBN: 978-81-981142-6-6	2025
30.	Shilpa Nandan & Kalpana Singh	Herbal Larvicides: A Sustainable Approach to <i>Aedes</i> Mosquito Control	Frontiers in Zoological Methods: Technology Driving Discovery. Nature Light Publications, Pune. 47-55; ISBN: 978-81-981142-6-6	2025
31.	Nikita Katiyar & Kalpana Singh	Music As Medicine: It's Role in Stress Reduction	Frontiers in Zoological Methods: Technology Driving Discovery. Nature Light Publications, Pune. 23-27; ISBN: 978-81-981142-6-6	2025
32.	Monika Yadav & Kalpana Singh	Music, Memory and Mood: Behavioural and Cognitive Investigations in Rodents	Frontiers in Zoological Methods: Technology Driving Discovery. Nature Light Publications, Pune. 18-22; ISBN: 978-81-981142-6-6	2025
33.	Sadiya Siddiqui & Kalpana Singh	The Role of Music Therapy in Alzheimer's Disease Management: Mechanisms and Potential Benefits	Frontiers in Zoological Methods: Technology Driving Discovery. Nature Light Publications, Pune. 33-46; ISBN: 978-81-981142-6-6	2025

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34.	Shraddha Yadav & Kalpana Singh	The Role of Music Therapy in Hypertension Management: A Complementary Approach	Frontiers in Zoological Methods: Technology Driving Discovery. Nature Light Publications, Pune. 56-65; ISBN: 978-81-981142-6-6	2025
35.	Rohit Yadav & Kalpana Singh	Exploring the Role of Music Therapy in Diabetes Management	Frontiers in Zoological Methods: Technology Driving Discovery. Nature Light Publications, Pune. 28-32; ISBN: 978-81-981142-6-6	2025
36.	Monika Yadav & Kalpana Singh	Music As Medicine: The Impact of Music Therapy on Depressive Symptoms	Functional Biology and Biotechnology. Excellent Publishing House, New Delhi; 105-115; ISBN: 978-93-94086-81-4	2025
37.	Sadiya Siddiqui & Kalpana Singh	Melodic Memories: Unlocking the Power of Music Therapy in Alzheimer's Disease	Functional Biology and Biotechnology. Excellent Publishing House, New Delhi; 185-195; ISBN: 978-93-94086-81-4	2025
38.	Shraddha Yadav & Kalpana Singh	The Therapeutic Effects of Music on Hypertension	Functional Biology and Biotechnology. Excellent Publishing House, New Delhi; 222-230; ISBN: 978-93-94086-81-4	2025
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40.	Km. Vaibhavi & Kalpana Singh	The Role of Music Therapy in Management of Parkinson's Disease	Functional Biology and Biotechnology. Excellent Publishing House, New Delhi; 88-92; ISBN: 978-93-94086-81-4	2025
41.	Nivedita Singh, Sadiya Siddiqui, Nikita Katiyar, Monika Yadav & Kalpana Singh	The Role of Music Therapy in the Management of Autism Spectrum Disorder	Science for the Modern World: Advances Across Disciplines. Nature Light Publications, Pune; 23-30 ; ISBN: 978-93-49938-48-9	2025
42.	Shilpa	Dengue Virus: Transmission, Diagnosis and Prevention	Advances in Plant and Animal Sciences. Nature Light Publications,	2025

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45.	Kalpana Singh	Aesthetic Biology	ZOOLOGiX. Excellent Publishing House, New Delhi; 34-47; ISBN: 978-93-94086-88-3	2025
46.	Nikita Katiyar, Monika Yadav, Sadiya Siddiqui, Shraddha Yadav, Rohit Yadav & Kalpana Singh	The Science of Calm: How Music Tunes Down the Body's Stress Response	ZOOLOGiX. Excellent Publishing House, New Delhi; 97-100; ISBN: 978-93-94086-88-3	2025
47.	Monika Yadav, Nikita Katiyar, Sadiya Siddiqui, Shraddha Yadav, Rohit Yadav & Kalpana Singh	Energy Centres of the Body: A Scientific Lens on the Seven Chakras	ZOOLOGiX. Excellent Publishing House, New Delhi; 101-105; ISBN: 978-93-94086-88-3	2025
48.	Sadiya Siddiqui, Nikita Katiyar, Monika Yadav,	Music in Alzheimer's Care	ZOOLOGiX. Excellent Publishing House, New Delhi; 106-109; ISBN: 978-93-94086-88-3	2025

	Shraddha Yadav, Rohit Yadav & Kalpana Singh			
49.	Shraddha Yadav, Nikita Katiyar, Monika Yadav, Sadiya Siddiqui, Rohit Yadav & Kalpana Singh	Beating Stress with Beats: Music for a Healthier Heart	ZOOLOGiX. Excellent Publishing House, New Delhi; 110-113; ISBN: 978-93-94086-88-3	2025
50.	Rohit Yadav, Nikita Katiyar, Monika Yadav, Sadiya Siddiqui, Shraddha Yadav & Kalpana Singh	Music-Assisted Lifestyle Interventions for Improved Glycemic Control in Diabetes	ZOOLOGiX. Excellent Publishing House, New Delhi; 114-116; ISBN: 978-93-94086-88-3	2025
51.	Kalpana Singh	Biomusicology: An Overview	Multidisciplinary Research: Trends, Challenges and Innovations; Nature Light Publications, Pune; 113 -119; ISBN- 978-93-49938-64-9	2026
52.	Nikita Katiyar, Monika Yadav, Sadiya Siddiqui, Shraddha Yadav Rohit Yadav, Kalpana Singh	Advances in Effect of Music Therapy in Management of Stress	Multidisciplinary Research: Trends, Challenges and Innovations; Nature Light Publications, Pune; 76 - 87; ISBN- 978-93-49938-64-9	2026
53.	Monika Yadav, Nikita Katiyar, Sadiya Siddiqui, Shraddha Yadav Rohit Yadav, Kalpana Singh	Management of Depression Using Music Therapy: A Review on Recent Studies	Multidisciplinary Research: Trends, Challenges and Innovations; Nature Light Publications, Pune; 64 - 75; ISBN- 978-93-49938-64-9	2026

54.	Sadiya Siddiqui, Nikita Katiyar, Monika Yadav, Shraddha Yadav Rohit Yadav, Kalpna Singh	Management of Alzheimer's Disease by Music Therapy: Recent Studies on Rodents	Multidisciplinary Research: Trends, Challenges and Innovations; Nature Light Publications, Pune; 97 - 105; ISBN- 978-93-49938-64-9	2026
55.	Shraddha Yadav, Rohit Yadav, Sadiya Siddiqui, Monika Yadav Nikita Katiyar, Kalpna Singh	Management of Hypertension in Rodents by Music Therapy: Recent Perspectives	Multidisciplinary Research: Trends, Challenges and Innovations; Nature Light Publications, Pune; 106 -112; ISBN- 978-93-49938-64-9	2026
56.	Rohit Yadav, Shraddha Yadav, Sadiya Siddiqui, Monika Yadav Nikita Katiyar, Kalpna Singh	Can Music Therapy Effectively Curb Diabetes? Recent Musings	Multidisciplinary Research: Trends, Challenges and Innovations; Nature Light Publications, Pune; 88 - 96; ISBN- 978-93-49938-64-9	2026

(d) Popular Science Articles

S. No.	Author(s)'s Name	Title	Publication Details	Date of Publication
1.	Kalpana Singh and Reema Sonker	Wriggling Witnesses.	<i>Science Reporter</i> , 52(7), 20-22; ISSN 0036-8512	2015
2.	Kalpana Singh	Bio-Control: A Buzz Word.	Sri JNPG College, <i>REVELATION</i> a journal of popular Science. 1(1), 67-69; ISSN 2456-7698	2017
3.	Kalpana Singh	Friendly Foes: The Bio-control Agents.	Sri JNPG College, <i>REVELATION</i> a Journal of Popular Science. 2(1), 56-57, ISSN 2456-7698	2018
4.	Kalpana Singh and Shilpa Nandan	<i>Aedes</i> Mosquito: Harbinger of Dread.	Sri JNPG College, <i>REVELATION</i> a Journal of Popular Science. 3(1), 57-59, ISSN 2456-7698	2019

(e) Chapters in Proceedings

S. No.	Author(s)'s Name	Title	Publication Details	Date of Publication
1.	Kalpana Singh	Impact of Climate and Environmental Changes on Muscid Flies.	<i>Proceedings of Climate and Environmental Changes: Impacts, Challenges and Solutions</i> held at Sacred Heart Degree College and DDUGPG, Sitapur. (36-39); ISBN: 978-93-86148-89-6	2017
2.	Kalpana Singh & Shilpa Nandan	Mosquito Population: Impact of Climate and Environmental Changes and its Management Strategies.	<i>Proceedings of Climate and Environmental Changes: Impacts, Challenges and Solutions</i> held at Sacred Heart Degree College and DDUGPG, Sitapur. (7-15); ISBN: 978-93-86148-89-6	2017
3.	Kalpana Singh, Anil Kumar & Reema Sonker	Biodiversity of Sarcophagid Flies.	<i>Proceedings of Climate and Environmental Changes: Impacts, Challenges and Solutions</i> held at Sacred Heart Degree College and DDUGPG, Sitapur. (48-53); ISBN: 978-93-86148-89-6	2017
4.	Reema Sonker & Kalpana Singh	Effect of Climatic changes on Forensic Entomo Fauna.	<i>Proceedings of Climate and Environmental Changes: Impacts, Challenges and Solutions</i> held at Sacred Heart Degree College and DDUGPG, Sitapur. (30-35); ISBN: 978-93-86148-89-6	2017
5.	Kalpana Singh	Impact of Ecological Imbalance on Entomo-Fauna.	Proceedings of Ecological Imbalance: A Threat to Flora Fauna, Economy and Human Survival held at Government Post Graduate College, Saidabad, Allahabad (UP) (12-14); ISBN: 978-81-931262-2-6	2018
6.	Kalpana Singh & Shilpa Nandan	Effect of Certain Medicinal Plant Extracts on <i>Culex</i> Population.	Proceedings of Ecological Imbalance: A Threat to Flora Fauna, Economy and Human Survival held at Government Post Graduate College, Saidabad, Allahabad (UP) (115-119); ISBN: 978-81-931262-2-6	2018

(f) Oral Presentations in Conferences / Symposia

1. **Kalpana Singh & Omkar (2005)** Demographic attributes of an aphidophagous ladybird beetle under three photoperiodic regimes. Proceedings of the **93rd Session of Indian Science Congress Association held at Hyderabad** from Jan. 3-7, 2006
2. **Kalpana Singh (2013)** Biodiversity of Insect Fauna: Concerns & Conservation. Proceedings of the “**National Seminar on Changing Environment and Biodiversity**”. (March, 24). Department of Zoology, Navyug Kanya Mahavidyalaya, Lucknow (U.P.).
3. **Kalpana Singh (2016)**. Forensic Entomology: A Boon for Legal Scenario. Presented in **National Seminar on Environmental Health vis-s-vis Human Welfare In Present Scenario** (April 18-19, 2016). Department of Zoology, D.A.V. (P.G.) College, Dehradun, Uttarakhand
4. **Kalpana Singh (2017)**. **Impact of Climate and Environmental Changes on Muscid flies**. Presented in **National Conference on Climate and Environmental Changes: Impact, Challenges and Solutions** (Feb 28-March 01). Sacred Heart Degree College, Sitapur (UP).
5. **Kalpana Singh (2017)**. Importance of Biostatistics in Biodiversity and Succession Studies. Presented in **International Conference on Biological Sciences and Bio-Statistics** (Current Scenario and Future Prospects) ICBS-2017 (09-10 March, 2017). School of Science, U.P. Rajarshi Tandon Open University, Allahabad, U.P., India
6. **Kalpana Singh (2017)**. Impact of Ecological Imbalance on Entomo-Fauna. Presented in **National Conference on Ecological Imbalance: A threat to Flora, Fauna, Economy and Human Survival** (Sep. 22-23) held at Department of Zoology, DDU Government PG College, Saidabad, Allahabad (UP).
7. **Kalpana Singh (2018)**. Environmental Management for Vector-Borne Diseases Control. Presented in **International Symposium on Indiscriminate development: Current Scenario & Scio-Environmental Challenges (IDCSC 2018)** (Mar. 18-19) held at Botanical Survey of India, CRC, Allahabad (UP).
8. **Kalpana Singh (2018)**. Effect of Climatic Factors on Malaria Incidences. Presented in **International Conference on Sustainable Development Strategies and Emerging Trends** (Nov. 16-17, 2018) held at Netaji Subhas Chandra Bose Government Girls PG College, Aliganj, Lucknow (UP).

(g) Abstracts in Conferences / Symposia

1. **Kalpana Singh & Omkar (2005)** Demographic attributes of an aphidophagous ladybird beetle under three photoperiodic regimes. Proceedings of the **93rd Session of Indian Science Congress Association held at Hyderabad** from Jan. 3-7, 2006
2. **Kalpana Singh (2013)** Biodiversity of Insect Fauna: Concerns & Conservation. Proceedings of the “**National Seminar on Changing Environment and Biodiversity**”. (March, 24). Department of Zoology, Navyug Kanya Mahavidyalaya, Lucknow (U.P.).
3. Reema Sonker & **Kalpana Singh (2013)**. Biodiversity of forensic fauna: Coleoptera, presented at **National seminar on changing environment and Biodiversity (March, 24)**. Department of Zoology, Navyug Kanya Mahavidyalaya, Lucknow (U.P.).
4. Reema Sonker & **Kalpana Singh (2013)**. Forensic insects: Natural Scavengers, presented at **National seminar on Environment Degradation and Aquaculture (April, 28)**. Post - Graduate Department of Zoology, Bappa Sri Narayan Vocational P.G. College, Lucknow (U.P.).
5. Sunita Rawat & **Kalpana Singh (2013)**. Biodiversity of Forensic Fauna of Diptera, presented at **National seminar on changing environment and Biodiversity (March, 24)**. Department of Zoology, Navyug Kanya Mahavidyalaya, Lucknow (U.P.).
6. Sunita Rawat & **Kalpana Singh (2013)**. Role of Forensic Insects in Ecological Recycling, Presented at **National Seminar on Environment Degradation and Aquaculture (April, 28)**. Post - Graduate Department of Zoology, Bappa Sri Narayan Vocational P.G. College, Lucknow (U.P.).
7. Reema Sonker & **Kalpana Singh (2014)**. Effect of Seasonal Variation on Insect Succession Over a dead animal, Presented at **International conference on environmental technology and sustainable development: challenges & remedies (February, 21-23)**. Department of Environmental Science, Baba Saheb Bhimrao Ambedkar University (A Central University), Lucknow (U.P.).
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9. Reema Sonker, Sunita Rawat & **Kalpana Singh (2014)**. Solar Energy: A Promise of Bright Future, Presented at **National Conference on Environmental Protection and Sustainable Development (June 5-6)**. Sky Institute, Lucknow (U.P.).
10. Reema Sonker, Sunita Rawat & **Kalpana Singh (2014)**. Importance of Ants in Forensic Entomology, Presented at **National seminar on Threats to biodiversity and Ecosystems: Impacts of developmental projects and climate change and 25th All India Congress of Zoology (November, 17-19)**. Department of Zoology and Environmental Science, Gurukul Kangri University, Haridwar (U.P.).
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 14. Sunita Rawat, Reema Sonker & **Kalpana Singh (2014).** Influence of low temperature on the development of larval stages of a Sarcophagus Fly, Presented at **National seminar on Threats to biodiversity and Ecosystems: Impacts of developmental projects and climate change and 25th All India Congress of Zoology (November, 17-19).** Department of Zoology and Environmental Science, Gurukul Kangri University, Haridwar (U.P.).
 15. Sunita Rawat, Reema Sonker & **Kalpana Singh (2015).** Rearing of Dipteran Fauna over Decaying Organic Substrates and Different Types of Carrion Baits, Presented at **26th All India Congress of Zoology and International Symposium on Innovation in Animal Sciences for Food Security, Health Security and Livelihood-2015 (October 29-31).** BabaSaheb Bhimrao Ambedkar University (Central University), Lucknow (U.P.).
 16. Sunita Rawat, Reema Sonker & **Kalpana Singh (2015).** Survey of Disease Causing Dipteran Fly Fauna in Lucknow and Outskirts, Presented at **National Seminar on the legacy of Awadh (March 16-17).** Maharaja Bijli Pasi Government PG College, Ashiyana, Lucknow (U.P.).
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 18. Reema Sonker, Sunita Rawat, & **Kalpana Singh (2015).** Determination of Forensically Important Species of Coleoptera in Summer Season of Kanpur Region, Presented at **26th All India Congress of Zoology and International Symposium on Innovation in Animal Sciences for Food Security, Health Security and Livelihood-2015 (October 29-31).** BabaSaheb Bhimrao Ambedkar University (Central University), Lucknow (U.P.).
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 20. Reema Sonker & **Kalpana Singh (2016).** Factors Associated with Carcass Decomposition and Their Significance in Forensic Entomology. Presented in **National Seminar on Environmental Health vis-s-vis Human Welfare In Present Scenario** (April 18-19, 2016). Department of Zoology, D.A.V. (P.G.) College, Dehradun, Uttarakhand

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49. **Kalpana Singh** and Shilpa Nandan (2018). Current Scenario of Dengue in India: A Review. Presented in **International Conference on Sustainable Development Strategies and Emerging Trends** (Nov. 16-17, 2018) held at NetaJi Subhas Chandra Bose Government Girls PG College, Aliganj, Lucknow (UP).
50. **Kalpana Singh** and Reena K. Chaudhary (2018). Effect of Climatic Factors on Malaria Incidences. Presented in **International Conference on Sustainable Development Strategies and Emerging Trends** (Nov. 16-17, 2018) held at NetaJi Subhas Chandra Bose Government Girls PG College, Aliganj, Lucknow (UP).
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53. **Kalpana Singh** and Jaipal Bhargava (2019). Impact of Climate Change on Tasar Silk Culture In India. Presented in **International Conference on Recent Trends in Science, Technology, Agriculture and management** (Oct. 20-21) held at FDDI, Fursatganj Amethi (UP).
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56. Shilpa Nandan and **Kalpana Singh** (2022). Managenment Of Dengue. Presented in **Online International Conference On Research Methodology (ICRM-2022)** (Oct 28-30) held at Dr Shakuntala Misra National Rehabilitation University, Lucknow (UP)
57. Reena Kumari Chaudhary and **Kalpana Singh** (2022). Herbal Pest Management Of Anopheles Mosquito Presented in **Online International Conference On Research Methodology (ICRM-2022)** (Oct 28-30) held at Dr Shakuntala Misra National Rehabilitation University, Lucknow (UP)
58. Nikita Katiyar and **Kalpana Singh** (2022). A Systematic Evaluation of the Studies on the Role of Music Therapy in the Treatment of Cancer Striken Youngsters. Presented in **International Conference on Environment and Society (ICES 2022)** (23-24 Dec 2022) held at Jiwaji University Gwalior (MP) India
59. Nikita Katiyar and **Kalpana Singh** (2022). Effect of Music Intrusion On Immunity of Emotionally Stressed Albino Rats. Presented in **International E Conference On Recent Trends in Health and Diseases (19-21 Jan 2022)** Organised by Institute of Advanced Molecular Genetics And Infectious Diseases ONGC Center of Advanced Studies University of Lucknow, Lucknow, India
60. Nikita Katiyar and **Kalpana Singh** (2022). Effect of Classical and Rock Music on red Blood Cells of Rats. Presented in **International Conference on Multidisiplinary Academic Research and Innovation** (Sept 10-11) held Online.

(h) Poster Presentation in Conferences/ Symposia

1. Nikita Katiyar & **Kalpana Singh** (2023). Effect of Indian classical Music on Ethophysiology of Stressed Rats. IndiaBioscience Regional Young Investigators' Meet- Lucknow held at CSIR- CDRI, Lucknow. September, 13-15. 2023
2. Nikita Katiyar & **Kalpana Singh** (2024). Sex-specific responses of stressed rodents exposed to music on cognition. ISEB5: The 5th Conference of the Indian Society of Evolutionary Biologists held at University of Lucknow, India. October, 17-19, 2024
3. Nikita Katiyar & **Kalpana Singh** (2024). Music modulates behaviour and biochemical markers of stressed rats. International Conference on Advancements in Basic Science, Environmental Studies, and Traditional Medicine for Translational Drug Discovery and Development (TMT3D-2024) held at Banaras Hindu University, Varanasi, India. November 21-23. 2024
4. Nikita Katiyar & **Kalpana Singh** (2024). Music modulates behaviour of stressed rats. International Conference on Nature, Science and Modern Lifestyle: Issues and Perspectives (ICNSMLIP-2024) organised by Sarvhit Kalyan Seva Samiti held at Pioneer Montessori College, Lucknow. December, 28-29. 2024
5. Nikita Katiyar & **Kalpana Singh** (2024). Modulation of Behaviour And Physiology of Stressed Rats By Music Therapy is sex Specific. 36th All India Congress Of Zoology and International Conference on Innovations in Life Sciences for Sustainable Development: Biodiversity, Environment, Health and Food Security-2025 (ILSSD-2025) held at University of Lucknow, Lucknow, India. April, 24-26. 2025.