

BIODATA



1. Name	Bindu Sharma
2. Designation	Professor
3. Institutional Address	Dept of Zoology, CCS University, Meerut
4. Residential Address	B-34 Shastri Nagar, Meerut
5. Telephone	9412663532, 7983339533
6. Email	bindu2502@rediffmail.com dr.bindusharmazoology@gmail.com
7. Educational Qualifications	BSc, MSc, MPhil, PhD
8. Teaching Experience	Since 1997 till date
9. Research Experience	Since 1990 till date
10. Publications	
a. Research Papers	34 (Annexure 1)
b. Books	06 (Annexure II)
c. Chapters contributed	07 (Annexure III)
d. Full length paper in Proceedings	02
11. Research Guidance	
a. M.Phil. Projects Supervised	04 (Annexure IV)
b. Ph.D. Projects Supervised	10 (Annexure V)
12. Research Projects Completed	03
a. CST	Morphology of larval trematodes and their histochemical effect on Snails from water bodies of Meerut region'
b. UGC	Morphology, Taxonomy and population dynamics of some Caryophylleids from cat fishes of Meerut'

c. **UGC** Morphology, Taxonomy and population dynamics of digenean trematodes from fresh water fishes of Meerut'.

13. Appointments Held:

Professor	C.C.S University Meerut	2018 till date
Associate Professor	D.N.P.G College	2011-2018
Senior Lecturer	D.N. P.G College Meerut	2003-2011
Lecturer	D.N .PG College	1999-2003
Visiting Scientist SERC	Department of Zoology, C.C.S University Meerut	2000 (3months)

14. Memberships and Fellowships:

- a. Life Member Helminthological Society of India
- b. Life Member Indian Society of Parasitology
- c. Life Member and fellow Zoological Society Of India
- d. Life Member Indian Science Congress Association
- e. Life Member Society of Life Sciences, Satna
- f. Life Member Society for Green World
for Sustainable Development
- g. Life member and fellow The Academy of Environmental
Biology

15. Awards

- a. Best Scientist Award
(2018) Society of Life Sciences, Satna
- b. Amrita Devi Vishnoi
Medal (2020) Zoological Society of India, Gaya

16. Conferences Attended

- a. As Invited Speaker 13
- b. Presentations in Conference 24
- c. As chairperson of Technical session 04

Annexure I

Research publications

(1994)

1. **Sharma, B.** and Singh, H.S. *Clinostomoides pandeyii* n.sp., a rare clinostome metacercaria from *Heteropneustes fossilis* (Bloch) *Uttar Pradesh J. Zool.*, 14(1): 91-93 ISSN:0256-971x .

(1995)

2. **Sharma, B.** and Singh, H.S. Two new Caryophylleids from *Heteropneustes fossilis* (Bloch), at Meerut *Bull. Ass. Zool.*, 2(1): 11-16
3. **Sharma, B.**; Singh, H.S.; Agarwal, S.; Kumar, K. and Vibha, K. Site selection and frequency distribution of *Gyrodactylus neonephrotus malmbergi* Singh and Agarwal. *Uttar Pradesh J. Zool.*, 15(3): 189-193 ISSN:0256-971x
4. **Sharma, B.**; Singh, H.S.; Agarwal, S. and Kumar, K. Population dynamics, host specificity, spatial distribution and morphology of *Hamatopeduncularia wallagonius* sp.nov. *Uttar Pradesh J. Zool.*, 15(2): 108-116 ISSN:0256-971x .
5. **Sharma, B.**; Singh, H.S. and Agarwal, N. Development of *Gyrodactylus neonephrotus malmbergi* Singh and Agarwal, in relation to host body length *Uttar Pradesh J. Zool.*, 15(1): 75-77ISSN:0256-971x
6. **Sharma, B.**; Singh, H.S. and Agarwal, N. Pathogenecity and chaemotherapy of *Gyrodactylus neonephrotus malmbe* *Uttar Pradesh J. Zool.*, 15(1): 61-63 ISSN:0256-971x.

(2001)

7. **Sharma, B.**; Singh, H.S. and Rastogi, P. Physiopathology of three caryophyllaeids in stinging cat fish, *Heteropneustes fossilis* (Bloch)*Rivista Di Parassitologia XVII (LXII)*:10035-6387
8. **Sharma, B.**; Singh, H.S. and Rastogi, P. *Lucknowia ovocompactum* n.sp. (Cestoda) from the cat fish, *Heteropneustes fossilis* (Bloch) *J. Exp. Zool. India.* 4(1): 25-28 ISSN:0972-0030

(2005)

9. **Sharma, B.** and Kumar, D. Biodiversity of fresh water snail fauna of Western Uttar Pradesh. *Uttar Pradesh J. Zool.*, 25(3): 303-306 ISSN:0256-971x

(2006)

10. **Sharma, B.** and Kumar, D. Ticks infesting sheep and goat in Western Uttar Pradesh.*Uttar Pradesh J. Zool.*, 26: 53-56ISSN:0256-971x

(2007)

11. **Sharma, B.**; Singh, D.; Sharma, N.; Bisht, A. and Agarwal, S.K. Effect of temperature on ovarian recrudescens in the snow trout, *Schizothraxrichardsonii*. *Flora and fauna* 13(2):313-316 ISSN:0971-6920.

(2008)

12. **Sharma, B.** and Sharma, D. Allelo-chemicals: An alternate of Synthetic pesticides:*J. Natcom.*21 (1) :1-8, 2009ISSN:0970-5945

13. **Sharma, B.** and Kumar, D. Observation on seasonal variations of ixodid ticks and their predication sites in sheep and goat.*UP.J.Zool.*,(2):263-265 ISSN:0256-971x

14. **Sharma, B.**; Singh, B.; Arora, N.; Jain, A. and Kashyap, A. A Population dynamics of fresh water snails in Meerut region.*Advances in life*, 2 (1&2). 29-30.ISSN:2278 – 3849

(2009)

15. **Sharma, B.**; Singh, B.; Arora, N. and Jain, A. Kashyap Seasonal occurrence of *Allocradium* sp (Digenea) from *Channa punctatus* of Meerut district.*Advances in Life Sciences*(1-4):37-40, 2009 ISSN:2278 – 38492010

(2010)

16. **Sharma, B.**; Arora, N.; Singh, B. and Singh, D. Population dynamics of Caryophyllid cestode *Lytocestus Fossilisi* (gupta 1961) from *Clarias batrachus* in Meerut (U.P.).*J. Env. Bio. Sci.* Vol 24 (1): 99-101, 2010. ISSN 09876 3384

17. **Sharma, B.**; Singh, B. and Sharma, D. Chromosomal studies of two fresh water snails *Bellamya bengalensis* and *Lymnaea acuminate* from Meerut District *Flora and Fauna*, Vol. 16 no.2 PP 267-270.ISSN:0971-6920

(2011)

18. **Sharma, B.**; Rastogi, V. and Chaudhary, A. Infection status of *Clinostomum complanatum* (Rudolphi, 1819) metacercaria from *Channa punctatus* of Meerut district.*J. App. And Nat. Sci.*, 3(2): 280-283.ISSN 0974-94112012

(2012)

19. **Sharma, B.**; Chaudhary, N. and Kashyap, A. Physico-chemical features of Hindon river at Meerut : Present status *Journal of Sustainable Environmental Research* 1 (2) : 191-193.ISSN:2278-196X

(2013)

20. **Sharma, B.** and Sharma, D. Toxicological studies of CH₃hgcl to a fresh water *Puntius Sophore* and its application in controlling water pollution. *Journal of Natural Sciences* Vol, 1(1), 21-29. ISSN-2320-4346

(2015)

21. **Sharma, B.** Prevalence of fresh water snail (intermediate host) infected with different trematodes Cercariae in and around Meerut district *Voyager*, Vol 6, Dec: 198-205 ISSN 0976-7436
22. **Sharma, B.** and Gupta, A. Parasitic infestation of *Diplostomulum cerebralis* (Digenean aTrematode) in *Channa punctatus* from Meerut district *Voyager*, Vol 6, Dec: 182-187ISSN 0976-7436.
23. **Sharma, B.**; Chaudhary, A.; Chairy, H.R. and Singh, H.S. First molecular identification of invasive tapeworm, *Bothriocephalus acheilognathi* Yamaguti, 1934 (Cestoda: Bothriocephalidea) in india *Bioinvasion Records*(2015)vol 4,Issue4:269-276 ISSN:2242-1300
24. **Sharma, B.** Studies on the hematolgy of fresh water snail *Lymnaea luteola* Biotech today Vol-5, No. 1:60-62ISSN-2319-2186

25. **Sharma, B.** Survey of Cercariae infected *Melanoides tuberculata* (Fresh Water Snail) from Meerut Region and their Role in transmission of diseases *Journal of Sustainable Environmental Research*, 4 (1): 55-59.ISSN:2278-196X

(2016)

26. **Sharma, B.** Effects of larval trematodes on histopathology of digestive gland of freshwater snail, *Bellamya bengalensis* .*Journal of Sustainable Environmental Research*, 4 (1): 21-24.ISSN:2278-196X
27. **Sharma, B.** Blood cells morphology of the snail *Bellamya bengalensis* *Biotech today*.Vol 5, Issue.2:23-26.ISSN-2319-2186
28. **Sharma, B.**; Agarwal, P.; Agarwal, N.; Gupta, R. and Gupta, M. Antibacterial activity of plants extracts against Methicillin-Resistant *Staphylococcus aureus* and

Vancomycin-Resistant Enterococcus faecalis. *Journal of Microbial & Biochemical Technology* Vol 8(5): 404-407, ISSN: 1948-5948

29. **Sharma, B.** Studies on prevalence of cestode parasites in freshwater fish, *Channa punctatus* from Meerut District (UP) India *J. App. And Nat. Sci.*, Vol.8, No.1, ISSN 0974-9411
30. **Sharma, B.** Histopathological Study of Cestodes in Freshwater Fish *Clarias batrachus* (Linnaeus, 1758) from Meerut Region *Journal of Natural Sciences* ISSN-2320-4346
31. Senger, R. and **Sharma, B.** Improvement of agriculture productivity via biotech tools to cure hunger *Biotech Today* vol 6 no. 1, 2016 ISSN: 2319-2186
(2018)
32. **Sharma, B.**; Gupta, A.; Chaudhary, A.; Garg, A.; Verma, C. and Singh, H.S. First molecular evidence of *Thelohanellus wallagoi* Sarkar, 1985 (Myxozoa) from economically important food fish, freshwater shark *Wallago attu* (Siluridae) in India *Acta Parasitologica*, 2018, 63(3), 647–653 ISSN 1230-2821
33. Verma, C.; Chaudhary, A.; **Sharma, B.** and Singh, H.S. First Report of Molecular Characterization of *Oochoristica hemidactyli Johri*, 1955 (Cestoda, Linstowiidae) from the Common Wall Lizard, *Hemidactylus brooki* Gray, 1845 (Reptilia: Gekkonidae) along with Morphological Redescription. *Acta Parasitologica* <https://doi.org/10.2478/s11686-019-00129-6>
(2019)
34. Garg, A.; Chaudhary, A.; Gupta, A.; Kumar, A.; **Sharma, B.** and Singh, H.S. Molecular Characterization of Two Myxosporean Species, *Henneguya namae* Haldar et al. 1983 and *Myxobolus sophorae* Jayasri, 1982 (Myxosporea: Myxobolidae) *Acta Protozool.* (2020) 59: 39–53 www.ejournals.eu/Acta-Protozoologica ACTA
doi:10.4467/16890027AP.20.003.12159

Annexure II

Name of book	Publication	ISBN
i. Environmental Biology	Akinik Publications	978-93-8589532-6
ii. Planktology An Overview	Akinik Publications	978-93-85895111
iii. Bioecological Aspects of Hindon river	Akinik Publications	978-93-85895210
iv. Cytology, genetics	Ramnathkedarnath Publications	93-8700-757-X
v. Cytology, genetics, Evolution	Ramnathkedarnath Publications	93-8700-764-2.
vi. Text book of Invertebrates	Arihanth Publications	9789312145579

Annexure III

Articles/Chapters Published in Books

S.N.	Title with	page No.	Book Title, Edition and Publisher ISSN/ISBN No.
1.	Sea Turtles	125-166	Wild life management concept analysis and conservation published ISBN NO 978-81by Daya Publishing House®(A Division of Astral International Pvt. Ltd. 4760-61/23 Ansari Road Darya Ganj New Delhi Edition 2016 7035913-5
2.	Monitor Lizard	167-170	Wild life management concept analysis and conservation published by Daya Publishing House®(A Division of Astral International Pvt. Ltd. 4760-61/23 Ansari Road Darya Ganj New Delhi Edition 2016 ISBN NO 978-817035913-5
3.	Horned toad	171-174	Wild life management concept analysis and conservation published by Daya Publishing House®(A Division of Astral International Pvt. Ltd. 4760-61/23 Ansari Road Darya Ganj New Delhi Edition 2016 ISBN NO 978-817035913-5
4.	Assessment of quality of	70-80	Impact of Environment and climate change on Water Biodiversity Global book organisationPearson correlation ISBN NO 978-938057032-7
5.	Alterations.....	80-81	Impact of Environment and climate change onHeavy Metals Biodiversity Global book organisation 2016 ISBN NO 978-938057032-7
6.	Clinical Application and potential	138-143	The role of biology in bringing second Role of stem cells green revolution 978-93-84659-19-6
7.	Perspective of stem cell research	115-120.	The role of biology in bringing second India green revolution 978-93-84659-19-6

Annexure IV

M.Phil. Projects Supervised

S.No.	Name of Student	Topic
1.	Nishiraj	Coccidean parasites of marine and fresh water fish from World
2.	Bhumika Chauhan	In Silico Characterization, Phylogenetic analysis and Three Dimensional Protein Modeling of rDNA of <i>Clinostomum piscidium</i>
3.	Sandhya Singh	Genomic analysis of rDNA of <i>Bifurcohaptor indicus</i> .
4.	Kalpana Singh	Genomic analysis of rDNA of <i>Thaparocleidus Wallagonius</i>

Annexure V

Ph.D. Projects Supervised

S.No.	Name of Student	Topic
1.	Nidhi Sharma	Studies of larval trematodes from snails of Meerut region (12.12.2007)
2.	Dharmendra kumar	Morphology, systematics and population Ixodes ticks infecting sheep and goat of Meerut region (15.04.2008)
3.	Anjula Jain	Studies on the host parasite relationship of freshwater snails <i>Bellamya bengalensis</i> , <i>Lymnea luteola</i> and larval trematodes (06.03.2011)
4.	Nidhi Arora	Morphology, population dynamics and of infecting fish <i>clarius batachus</i> in Meerut region (23.03.2010)
5.	Bittu	Population dynamics, morphology and snails From Meerut region (05.09.2014)
6.	Nishu	Some bioecological aspects in relation to hydrobiology of hindon river in Meerut region (16.02.2016)

7. Anuradha kashyap Studies on the effect of haemoflagellate trypnosoma trypnosoma batrachi, trypnosoma maguri on histopathology and biochemistry of host Clarius batrachus from Meerut district (11.07.2014)
8. Vidhushi Rani Morphology and population dynamics of larval trematodes from freshwater fishes of Meerut region (20.07.2015)
9. Ayushi Chaudhary Morphology, taxonomy and population dynamics of digenean trematodes from freshwater fishes of Meerut district (21.12.2013)
10. Abhishek Gupta Morphological and Molecular Characterization of Myxospores from some cat fishes fishes of Meerut region (28.01.2020)