

# DR. MAMTESH KUMARI

**Senior Assistant Professor (Zoology – Cytogenetics),**

Radhey Hari Government Postgraduate College,

Kashipur, District U.S. Nagar, Uttarakhand

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## A. PERSONAL DETAILS:-

1. Father's Name : Sh. Mam Chand
2. Husband's Name : Sh. Shashi Kant Gupta
3. Date of Birth : March 15, 1975
4. Category : Scheduled Caste
5. Permanent Address :  
Dr. Mamtesh Kumari  
C/o Late Sh. Rajinder Kr. Gupta  
Village Togan, Near Lalan Wala Pir,  
Block Majri, Tehsil Kharar,  
District Mohali, Punjab.  
PIN – 160014
6. Present Address :  
Dr. Mamtesh Kumari  
H. No. 41, Parkash City,  
Kashipur, District U.S. Nagar,  
Uttarakhand.  
PIN – 244713

## B. EDUCATIONAL QUALIFICATIONS:-

Examination	Univ/ Board	Main Subject	Month and year of Passing	Marks obtd. (with Max. Marks)	Class/ Divn./ Grade)
Matriculations	CBSE, New Delhi	Hindi, English, Maths, Science, Social Studies	May, 1993	406/500 (81.2%)	1 <sup>st</sup>
10 + 2	CBSE, New Delhi	Bio., Chem., Phy., English, Maths	May, 1995	323/500 (64.6%)	1 <sup>st</sup>
Bachelor of Science	Panjab University, Chandigarh	Zoology, Botany, Chemistry	Jun., 1998	1234/2000 (61.7%)	1 <sup>st</sup>
Master of Science	Panjab University, Chandigarh	Zoology (Hons.)	Nov., 2001	1299/2000 (64.95%)	1 <sup>st</sup>
Ph.D.	Panjab University, Chandigarh	Cytogenetics	Mar., 2008	-	-
B.Ed.	Panjab University, Chandigarh	Science, English	Aug., 1999	549/800 (68.62%)	1 <sup>st</sup>
UGC/CSIR National Eligibility Test	CSIR NET	Life Sciences (Zoology)	Aug., 2002	-	-

### C. RESEARCH EXPERIENCE:-

- 2004-07: **Senior Research Fellow** (SRF) of CSIR in Department of Zoology, Panjab University, Chandigarh.
- 2002-04: **Junior Research Fellow** (JRF) of CSIR in Department of Zoology, Panjab University, Chandigarh.

*Title of Ph.D. Thesis:* *Molecular Diagnostics of Termites of Chandigarh.*

### D. TEACHING EXPERIENCE:-

- 2019 – till now: **Senior Assistant Professor** in Department of Zoology, Radhey Hari Government Postgraduate College, Kashipur, Udham Singh Nagar, Uttarakhand.
- 2009-2019: **Assistant Professor** in Department of Zoology, Ram Chandra Uniyal Postgraduate College, Uttarkashi, Uttarakhand.
- 2008-2009: **Lecturer (Contract basis)** in Department of Zoology, Government College for Men, Sector 11, Chandigarh.
- 2008: **Lecturer (Contract basis)** in Department of Zoology, MCM DAV College, Sector 36, Chandigarh.

### E. FELLOWSHIPS:-

- 2004-07: CSIR (NET) SRF
- 2002-04: CSIR/UGC (NET) JRF

### F. RESEARCH GUIDANCE:-

- **Miss Noorin Saifi (Ph.D. scholar)**  
***Title of the Synopsis submitted:*** Ecology and Predation Potential of A Predaceous Ladybird, *Menochilus sexmaculatus* (Fabricius) (Coleoptera : Coccinellidae)
- **Miss Deepa Arya (Ph.D. scholar)**  
***Title of the Synopsis submitted:***
- **Miss Ujma (Ph.D. scholar)**  
***Title of the Synopsis submitted:*** Impact of Mating Status, Age and Predatory Behaviour on Reproduction and Development of *Aphidophagus* Ladybird Beetle, *Coccinella septempunctata* (Coleoptera: Coccinellidae).
- **Miss Pooja Karki (Ph.D. scholar)**  
***Title of the Synopsis submitted:*** Impact of Environmental Factors on Distribution Pattern of Ladybird Beetle (Family: Coccinellidae) in Nainital District, Uttarakhand.

#### **G. ORIENTATION PROGRAMMES / REFRESHER COURSES:-**

- **Orientation Course** sponsored by University Grants Commission and organized by The Academic Staff College, Panjab University, Chandigarh during the period 22.02.2012 to 20.03.2012 (28 days).
- **Refresher Course** sponsored by University Grants Commission and organized by UGC Human Resource Development Centre (HRDC), Panjab University, Chandigarh during the period 30.08.2018 to 19.09.2018 (21 days).
- **Refresher Course** sponsored by University Grants Commission and organized by University Grants Commission Human Resource Development Centre, Kumaun University, Nainital, Uttarakhand during the period 21.02.2019 to 14.03.2019.

#### **H. FACULTY DEVELOPMENT PROGRAMMES:-**

- **Workshop in Zoology** sponsored by Uttarakhand Open University, Haldwani and jointly organized by School of Science, Uttarakhand Open University, Haldwani and RCU Government Post Graduate College, Uttarkashi during the period 24.05.2014 to 29.05.2014 (6 days).
- **Six days long INYAS-CUPB Lecture Workshop 'Tangled Bank'** organized by Indian National Young Academy of Sciences and Department of Botany, Central University of Punjab, Bhatinda during the period 31.05.2020 to 05.06.2020 (6 days).
- **Online Short Term Training Program (Faculty Development Program)** on "Pedagogy of Digital Learning and New Education Policy" sponsored by PMMMNMT Scheme of MoE, Government of India and organized by Faculty Development Centre, Hemvati Nandan Bahuguna Garhwal University, Srinagar (Garhwal), Uttarakhand during the period 19.01.2021 to 25.01.2021 (6 days).
- **Short Term Program** on "Building Competencies of Teachers in Blended Learning and Teaching" sponsored by University Grants Commission and organized by UGC-Human Resource Development Centre, University of Hyderabad during the period 17.05.2021 to 22.05.2021 (6 days).

#### **I. MEMBERSHIPS:-**

- Editorial Board Member of refereed Journal *Anusandhan Vatika*.

#### **J. AWARDS:-**

- Bharat Ratna Mother Teresa Gold Medal Award on the occasion of 77<sup>th</sup> National Unity Conference on Individual Achievements and National Development on July 24, 2022 held at Chennai organized by Global Economic Progress and Research Association (GEPR), New Delhi.

## K. PUBLICATIONS:-

➤	International	:	12
➤	National	:	4
➤	Book	:	1

### Journals & Proceedings

1. **Kumari, M.** 2019. Molecular markers: Milestones in genome analysis. *Anusandhan Vatika*, **VIII(3)**, 1933-1941.
2. **Kumari, M.** 2019. Differential impacts of automation and artificial intelligence of jobs in India. *Shodhmanthan*, **10(8)**: 89-92.
3. **Kumari, M.**, Sharma, V.L., Sodhi, M., Mukesh, M., Shouche, Y.K. and Sobti, R.C. 2014. PCR-SSCP and sequence analysis of three populations of *Microtermes obesi* (Order: Isoptera; Family: Termitidae) from Chandigarh (India) on the basis of partial 16Sr RNA and ND1 gene. *Essence – International Journal for Environmental Rehabilitation and Conservation*, **V(1)**: 9-21.
4. Singla, M., Sharma, V.L., Sobti, R.C., Sodhi, M. and **Kumari, M.** 2013. Genetic relationship among Indian termites based on DNA sequence of mitochondrial 12S ribosomal RNA gene. *International Journal of Evolution*, **2**: 1-5.
5. Gill, T.K., Vij, P., Sharma, V.L., **Kumari, M.** and Sobti, R.C. 2011. RAPD-PCR analysis of *Callosobruchus maculatus* (Bruchidae: Coleoptera) reared on different hosts. *Anusandhan Vatika*, **1(2)**: 11-20.
6. Sobti, R.C., **Kumari, M.**, Sharma, V.L., Sodhi, M., Mukesh, M. and Shouche, Y. 2009. Sequence analysis of a few species of termites (Order: Isoptera) on the basis of partial characterization of *COII* gene. *Molecular and Cellular Biochemistry*, **331**: 145-151.
7. **Kumari, M.**, Sharma, V.L., Sodhi, M., Mukesh, M., Shouche, Y. and Sobti, R.C. 2009. PCR-SSCP and sequence analysis of three *Odontotermes* spp. (Order: Isoptera; Family: Termitidae) on the basis of partial 16SrRNA gene. *Molecular and Cellular Biochemistry*, **330**: 153-162.
8. Sobti, R.C., Sharma, V.L., **Kumari, M.**, Gill, T.K., Singh, J., Sodhi, M., Mukesh, M., Bansal, S., Arya, S. and Bisnoi, S. 2007. Genetic relatedness of six North-Indian butterfly species (Lepidoptera: Pieridae) based on 16S rRNA sequence analysis. *Molecular and Cellular Biochemistry*, **295**: 145-151.
9. Sharma, V.L., Sobti, R.C., Gill, T.K., Suman, K., Badran, A.A. and **Kumari, M.** 2006. Molecular studies of five species of butterflies (Lepidoptera: Insecta) through RAPD-PCR technique. *Caryologia*, **59(3)**: 226-234.
10. Sharma, V.L., Sobti, R.C., Gill, T.K., **Mamtesh**, Kaur, P., Kumari, R. and Bhatia, S. 2006. Characterization of twelve species of butterflies (Insecta: Lepidoptera) by using RAPD-PCR technique. *In: New Trends in Life Sciences – Prof. G.P. Sharma Felicitation Volume*, pp. 25-34. Department of Zoology, Panjab University, Chandigarh.
11. Sharma, V.L., Bhatia, S., Gill, T.K., Badran, A.A., **Kumari, M.**, Singh, J. and Sobti, R.C. 2006. Molecular characterization of two species of butterflies (Lepidoptera: Insecta) through RAPD-PCR technique. *Cytologia*, **71(1)**: 81-85.
12. Gill, T.K., Sharma, V.L., Sobti, R.C., **Mamtesh**, Kumari, S., Patiylal, D., Kaur, J., Setia, A., Vij, P. and Dhawan, D. 2006. Genetic variations in some species of Coleoptera by RAPD-PCR technique. *In: New Trends in Life Sciences – Prof. G.P. Sharma Felicitation Volume*, pp. 35-47. Department of Zoology, Panjab University, Chandigarh.

13. Gill, T.K., Kumari, S., Sharma, V.L., Badran, A.A., **Kumari, M.** and Sobti, R.C. 2006. Genetic variation in polymorphic males of *Callosobruchus maculatus* (Coleoptera: Bruchidae) by RAPD-PCR. *Cytologia*, **71(1)**: 57-62.
14. Sharma, V.L., **Mamtesh**, Gill, T.K., Sharma, S., Badran, A.A. and Sobti, R.C. 2003. RAPD-PCR in two species of *Catopsilia* (Pieridae, Lepidoptera). *Caryologia*, **56(2)**: 223-226.
15. **Mamtesh**. 2003. DNA Markers. *In*: Proceedings of UGC sponsored National Seminar on Modern Trends in Cytogenetics, pp. 9-16. Department of Zoology, Panjab University, Chandigarh.
16. Sobti, R.C., Sharma, V.L., Rajeeve and **Mamtesh**. 2002. Bioterrorism: Impact and Challenges. *Social Sciences Research Journal*, **10(3)**: 110-135.

### Chapters in Books

1. **Kumari, M.**, Singla, M., Goyal, N., Sharma, V.L. and Sobti, R.C. 2022. Molecular studies of pest termites in India. *In*: Advances in Animal Experimentation and Modeling: Understanding Life Phenomena (ed. Sobti, R.C.), pp. 283-296. Academic Press, Elsevier Inc., U.K.
2. **Kumari, M.**, Singla, M. and Sobti, R.C. 2022. Animal models and their substitutes in biomedical research. *In*: Advances in Animal Experimentation and Modeling: Understanding Life Phenomena (ed. Sobti, R.C.), pp. 87-101. Academic Press, Elsevier Inc., U.K.

### Books

1. **Kumari, M.** and Bhandari, S. (2017): *Cell and Molecular Biology*, Uttarakhand Open University, Haldwani, Nainital, 204pp.

Place: \_\_\_\_\_

(DR. MAMTESH KUMARI)