

## **BIO-DATA**

### **PERSONAL DETAILS :-**

Name : Dr. Garima Joshi  
Designation : Guest Lecturer  
Institution : M. B. Govt. P.G. College,  
Haldwani  
  
Date of Birth : 02 June 1987  
Correspondence Address : Department of Zoology  
M. B. Govt. P.G. College, Haldwani  
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### **TITLE OF THE THESIS :-**

“COMPARATIVE STUDIES ON GROWTH AND DEVELOPMENT OF MUGA SILKWORM *Antheraea assama* Westwood AND ITS HOST PLANT SPECIES UNDER DIFFERENT WEATHER CONDITIONS OF DISTRICT BAGESHWAR IN UTTARAKHAND”.

### **ACADEMIC QUALIFICATION (UNDERGRADUATE ONWARDS):-**

S.No.	Degree	Year	Subject	University/Institution
1.	Ph.D.	2017	Zoology-Entomology	Kumaun University, Nainital
2.	M.Sc.	2009	Zoology-Entomology	Kumaun University, Nainital
3.	B.Sc.	2007	Zoology, Botany, Chemistry	Kumaun University, Nainital

### **WORK EXPERIENCE :-**

S.No.	Positions held	Name of the Institute	From	To
1.	Guest Lecturer	M. B. Govt. P. G. College, Haldwani, Nainital	15/12/2020	Till date
2.	Guest Lecturer	Govt. P. G. College, Bageshwar	15/11/2017	01/07/2020

## **LIST OF RESEARCH PAPERS :-**

### **PUBLISHED :-**

- D. P. Paliwal, Chandrakanta, A. K. Paliwal, Deepa Kumari, Garima Joshi 2015. Occurrence of a Lepidopteran species *Samia cynthia* Drury on primary host plant species *Litsea monopetala* Roxb. of muga silkworm in district Bageshwar, Uttarakhand, India. *Plant Archives*. 15(1): 89-91.
- Chandrakanta , A. K. Paliwal ,D. P. Paliwal,Deepa Kumari Garima Joshi, 2015. Availability of Muga Silkworm host plant species in district Bageshwer and their economic potentiality. *Recent trends in Plant Sciences*:169-175.
- Mahesh Kumar, Garima Joshi and D. P. Paliwal 2016. Prospective of muga Silkworm *Antheraea assama* Ww. rearing on its host plant *Litsaea polyantha* Juss. under prevailing weather of District Bageshwar in State Uttarakhand, India. *International Journal of Basic and Applied Sciences* 5(4): 117-119.
- Mahesh Kumar, Garima Joshi\*, D. P. Paliwal\*\* and Kamal K Pande\*\*\* 2016. Studies on the sequential development of the leaves of Soalu *Litsaea polyantha* Juss.; a primary host plant of Muga silkworm *Antheraea assama* Ww. in Bageshwar District of Uttarakhand. *International Journal of Life Sciences* 5(4): 186-189.
- D. P. Paliwal, Garima Joshi, Chandrakanta, Mahesh Kumar, A. K. Paliwal 2016. Survey and morphological study of vanya silk moths in the forest of district Bageshwar of Uttarakhand. *Indian Journal of Hill Farming* 29(2): 169-171.
- D. P. Paliwal, Garima Joshi, Chandrakanta, Mahesh Kumar, A. K. Paliwal 2017. A report on incidence of a new vanya silkworm species *Actias selene* Hubner on primary host plant species *Machilus bombycina* King. of muga silkworm *Antheraea assama* Ww. in District Bageshwar, Uttarakhand. *Indian Journal of Hill Farming* 30(1): 59-62.
- G. Joshi, N. Joshi, H. Pant, P. Malara and H. R. Goyal, "Optimizing Cardiovascular Disease Prediction with Data Mining and Machine Learning," *2024 9th International Conference on Communication and Electronics Systems (ICCES)*, Coimbatore, India, 2024, pp. 1089-1094, doi: 10.1109/ICCES63552.2024.10859717.
- Pant, H., Joshi, G., Pant, J., Singh, D., Maurya, S., & Goyal, H. R. (2024, July). Advancing Dermatology: Deep Convolutional Neural Networks for Timely Hair Disease Diagnosis. In *2024 IEEE 3rd World Conference on Applied Intelligence and Computing (AIC)* (pp. 761-765). IEEE.

- Pant, H., Joshi, G., Verma, Y., Lohani, M. C., Maurya, D. S., & Goyal, H. R. (2024). Unveiling the Darknet: An Analysis of its Structure, Challenges, and Potential Solutions. Challenges, and Potential Solutions.(November 15, 2024).
- Pant, H., Joshi, G., Rawat, B., Goyal, H. R., Joshi, Y., & Bohra, C. S. (2025, January). Comparative Study of Crop Yield Prediction Using Explainable AI and Interpretable Machine Learning Techniques. In 2025 Fifth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) (pp. 1-7). IEEE.
- Pant, H., Joshi, G., & Rawat, B. (2025).”Explainable AI in Healthcare: A Systematic Review of Methods for Interpretable Machine Learning” in International Conference on Sustainable Communication Networks and Applications [ICSCNA 2025] held on 15-17, October 2025, in Bharath Niketan Engineering College, Theni, Tamil Nadu, India.
- Pant, H., Joshi, G., & Rawat, B. (2025). Precision Medicine for the Lungs: Deep Learning Applications in Thoracic Imaging. Biomedical and Pharmacology Journal, 18(4).
- Pant, H., Joshi, G., & Rawat, B. (2025). Hybrid Approach for Alzheimer’s Disease Prediction Using MRI: Deep Feature Extraction and Machine Learning Models. Biomedical and Pharmacology Journal, 18(October Spl Edition).
- Pant, H., Joshi, G., & Rawat, B. (2026).Deep Learning-Based Detection of Multiple Sclerosis from Multi-View MRI Slices ” in the 2026 Sixth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2026) held at Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 08 - 09, January 2026.
- Pant, H., Joshi, G., & Rawat, B. (2026).Ensemble Machine Learning Approaches for Reliable Palm Oil Adulteration Detection ” in the 2026 Sixth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2026) held at Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 08 - 09, January 2026.

#### **LIST OF ABSTRACTS :-**

- Mahesh Kumar, D. P. Paliwal, A. K. Paliwal and Garima Joshi 2011. Possibilities of golden muga silk production in Bageshwar (Uttarakhand). UGC sponsored national seminar on “Global warming and its impact on bio-diversity” organized by Department of Zoology, Gandhi Memorial National (P.G.) College, Ambala Cantt (8-9 November, 2011).

- Garima Joshi, Mahesh Kumar, D.P.Paliwal, A.K.Paliwal and Deepa Kumari 2012. Studies on muga silk development on its nature grown host plant species Som (*Machilus bombycina* King. Syn. *Persea bombycina* Kost.) and Soalu (*Litsea polyantha* Juss.) under different weather conditions at district Bageshwar in Uttarakhand state. 7<sup>th</sup> Abstracts And Souvenir organized by Uttarakhand State Council for Science And Technology (UCOST), Dehradun (21-23 November, 2012).
- Chandra Kanta, A. K. Paliwal, D. P. Paliwal, Deepa Kumari, Mahesh Kumar, Garima Joshi, Veena Dixit, C. J. Prabhakar & Shaily Singh 2013. Accessibility of natural grown muga silkworm host plant species in diverse elevation at district Bageshwar. Souvenir UGC- Sponsored National Conference on Resource Management & its Sustainable Use (22-23 March, 2013).

#### **PARTICIPATION IN NATIONAL / INTERNATIONAL CONFERENCES / SEMINARS / WORKSHOPS :-**

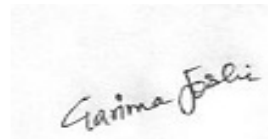
- Participated in “NATIONAL SEMINAR ON ENVIRONMENTAL POLITICS IN INDIA: ISSUES CHALLENGES & PROSPECTS SPONSORED BY I.C.S.S.R. (MINISTRY OF HUMAN RESOURCE DEVELOPMENT NEW DELHI)” at Department of Political Science, Govt.P.G.College, Bageshwar,Uttarakhand, India during November 28-29, 2008.
- Participated in “WORKSHOP ON REMOTE SENSING” jointly organized by Department of Physics, Govt. P.G. College, Bageshwar and Uttarakhand Space Application Centre, (Department of Science & Technology, Govt. of Uttarakhand) Dehradun, India on December 26, 2008.
- Participated in “WORKSHOP ON JOB OPPORTUNITIES AND SELF EMPLOYMENT IN VARIOUS FIELDS UNDER THE AEGIS OF UGC CAREER AND COUNSELLING CELL” at Faculty of Science, Govt. P.G. College, Bageshwar (Uttarakhand) during March 10-11, 2011.
- Participated in “TRAINING PROGRAMME ON MEDICIANAL & AROMATIC PLANTS” at C. R. C., Bageshwar sponsored by Department of Science and Technology, Dehradun during October 11-12, 2011.
- Participated in “WORKSHOP ON DISTRICT LEVEL ADVOCACY CAMPAIGN AGAINST SEX SELECTION AND PRE-BIRTH ELIMINATION OF FEMALES-PROJECT SANKALP-2013 FOR AWARENESS ON PC-PNDT ACT 1994 AS MEMBER OF SANKALP CLUB” held on March 2, 2013 at Govt. P.G. College, Bageshwar.
- Participated in “INTERNATIONAL SEMINAR ON CHALLENGES TO ECOSYSTEM AND ENVIRONMENT TOWARDS SUSTAINABLE DEVELOPMENT” organized by Govt. P.G. College, Bilaspur, Rampur and Paryavaran Mitra Samiti held on 22 Sep 2019.

- Participated in “NATIONAL CONFERENCE ON INTEGRITY OF MATHEMATICS IN ADVANCEMENT OF SCIENCE, TECHNOLOGY AND MANAGEMENT (IMASTM 2021) organized by Dept of Mathematics, M.B. Govt. P.G. College, Haldwani (Nainital) and In Collaboration with Uttarakhand Science Education Research Centre (USERC) held on 25-26 March 2021.

**Date: 17 December 2025**

**Place: Haldwani**

**Name & Signature**

A handwritten signature in black ink, reading "Garima Joshi", is centered within a light gray rectangular box.

**Dr. Garima Joshi**