



Name: Dr. Lomeshwar
Designation: Assistant Professor Botany
Address: Assistant Professor Botany at Govt. College
Karsog Distt. Mandi H.P. 175011
E-mail ID: lomeshsharma12@gmail.com
Contact No: +91-9569799340

Qualification with specialization (if any): PhD in Plant Physiology (**EVALUATION OF SOME PLANT GROWTH REGULATORS AS THERMOPROTECTANTS IN IMPARTING HEAT TOLERANCE TO MUNGBEAN [*VIGNA RADIATA* (L.) WILCZEK].**

Teaching experience: 4.7 Years

Additional Charge (NCC/NSS/R&R/others): Convener of "Rhododendron Eco-Club Gov. College Seraj at Lambathach, Member of IQAC Committee.

Detail of research publications: (Research experience/Conferences/Seminar/Symposium/Research articles/Book chapters/Book published/research papers etc.):

5 Years research Experience along with publications which are listed below:

- I. High-temperature-tolerant mungbean (*Vignaradiata*L.) lines produce better yields when exposed to higher CO₂ levels.
- II. Influence of high temperature stress on growth, phenology and yield performance of mungbean [*Vignaradiata* (L.) Wilczek] under managed growth conditions.
- III. PLANT GROWTH- REGULATING MOLECULES AS THERMOPROTECTANTS: FUNCTIONAL RELEVANCE AND PROSPECTS FOR IMPROVING HEAT TOLERANCE IN FOOD CROPS.
- IV. GABA (γ -aminobutyric acid), as a thermo-protectant, to improve the reproductive function of heatstressed mungbean plants.
- V. Securing reproductive function in mungbean grown under high temperature environment with exogenous application of proline.
- VI. Plant Nanobionic Effect of Multi-walled Carbon Nanotubes on Growth, Anatomy, Yield and Grain Composition of Rice.

CONFERENCES & WORKSHOPS ATTENDED: & WORKSHOPS ATTENDED:

Three international conferences were attended on:

- 1) Sustainable Energy and Environmental Challenges (SEEC-2017).
- 2) Emerging Areas of Environmental Science and Engineering (EAESE 2017).

3) HAR GOBIND KHORANA MEMORIAL SYMPOSIUM ON GENES, GENOMES AND MEMBRANE BIOLOGY (2017).

TRAINING PROGRAMMES: ORIENTATIONS/ INDUCTION/FDPS/REFRESHER COURSES ATTENDED:

- i) Completed a 4-Week Induction/Orientation Programme from teaching Learning Centre, Ramanujan College/ University of Delhi under the aegis of MINISTRY OF EDUCATION for “Faculty in Universities/Colleges/Institutes of Higher Education” from 20 May– 18 June, 2022.
- ii) Successfully completed the Professional Development Programme on ‘Implementation of NEP2020 for University and College Teachers’ held from 21 September, 2022 from INDIRA GANDHI NATIONAL OPEN UNIVERSITY Staff Training and Research Institute of Distance Education.
- iii) **Completed one week FDP program on “HOW TO CREATE YOUR OWN MOOCs”** by Ramanujan College/ University of Delhi under the aegis of MINISTRY OF EDUCATION for “Faculty in Universities/Colleges/Institutes of Higher Education” from 26-April to 02-May 2023.

Any other achievements/awards/honours received:

BSR Fellowship for Meritorious Student, Got EMERGING SCIENTIST AWARD In the International Scientist Awards on Engineering, Science and Medicine, Organized by VDGGOOD Professional Association.

Memberships if any: Member of Punjab University Botany Alumni Group.