

Brief CV
Dr. Ambika Sharma

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Current Job Profile

- Working in the Department of Biotechnology and Microbiology, Rajkiya Kanya Mahavidyalaya (RKMV), Shimla H.P. 171001 since 22nd September, **2022**.

Academia

- **Doctor of Philosophy (PhD)** in Biotechnology: Department of Biotechnology, Eternal University, Baru Sahib-173101 H.P. (Completed in **2020**).
- **B.Tech-M.Tech** in Biotechnology: Department of Biotechnology, Jaypee University of Information Technology (JUIT), Wagnaghat, Solan, H.P. (Completed in **2014**)

Awards/Honors

- Presented my research work in 1st International Wheat Science Congress (IWC-2019) held at **Saskatoon, Saskatchewan, Canada** from 21st-26th July **2019**.
- Senior Research Fellowship (SRF) in DBT sponsored project entitled “Improvement of end use quality of 1BL/1RS translocation containing wheat varieties by removing *Sec-1* loci and retaining *Glu-B3* using marker assisted back cross breeding (MABB)” in the Department of Biotechnology, Akal College of Agriculture, Eternal University, Baru Sahib H.P. from December **2015** to March **2020** (BTPR10886/AGII/106/934/2014).
- Won best poster presentation award in National Conference on New Insights in Biological & Environmental Sciences (NIBES) organized by DST-SERB and Department of Botany, Akal college of Basic Sciences at Eternal University Baru Sahib (H.P.) from 24th-25th May, **2019**.
- Won Best poster presentation award in 3rd Himachal Pradesh Science Congress (HPSC) jointly organized by HIMCOSTE and IIT Mandi at Indian Institute of Technology, Kamandh, Mandi (H.P.) from 22nd-23rd October, **2018**.

- Won Best poster presentation award in Advances in Food Science and Tehnology (AFST-2017) organized by DST-SERB at Eternal University, Baru Sahib from 24th-25th March, 2017.

Industrial Training

- **National Institute of Pharmaceutical Education and Research (NIPER) Mohali** (June 2014-July 2014)
- **Odin healthcare PVT LTD, Solan** (June 2012-July 2012)

Membership

- Life member of Indian Science Congress Association with Membership no. **L30862**

Publications (Research Articles/Review Articles)

1. **Ambika Sharma**, Pooja Saini, Pawan Saini, Vikrant Tyagi, Sushma Sharma, Naseer Ahmed, Harcharan Singh Dhaliwal, Imran Sheikh (2024) Root system architecture in cereals: exploring different perspectives of the hidden half. *Brazilian J Botany*: 1-19.
2. **Ambika Sharma**, Satinder Kaur, Monika Garg, Rajesh Kumar, BS Khatkar, Pritesh Vyas, HS Dhaliwal, Imran Sheikh (2023) Introgression of recombinant 1RSW.1BL without secalin and with *Glu-B3/Gli-B1* into elite wheat cultivars through marker-assisted backcross breeding. *Cereal Research Communications*: 1-8.
3. Sheenu Garg, **Ambika Sharma**, Satinder Kaur, HS Dhaliwal, Pritesh Vyas, Imran Sheikh (2023) Introgression of 1RS^{WR}.1BL translocation, Bx7^{OE} and stripe rust resistance genes in bread wheat cultivars. *Cereal Research Communications*: 1-12.
4. **Ambika Sharma**, Imran Sheikh, Satinder Kaur, Pritesh Vyas and H. S. Dhaliwal (2021) Introgression of recombinant 1RS^{WR}.1BL translocation and rust resistance genes in bread wheat cv. HD2967 through marker assisted selection. *Plant Molecular Biology Reporter*: 1-9.
5. **Ambika Sharma**, Sheenu Garg, Imran Sheikh, Pritesh Vyas, H. S. Dhaliwal (2020) Effect of wheat grain protein composition on end-use quality. *J Food Science Technology*: 1-15.
6. Yogesh sharma, Imran Sheikh, **Ambika Sharma**, Ajar Nath, Yadav, Krishan Kumar, Pritesh Vyas and H. S. Dhaliwal (2020) Transfer of grain softness from 5U-5A wheat-Aegilops triuncialis substitution lineto bread wheat through induced homeologous pairing. *J Plant Biochem Biotechnol*.

7. **Ambika Sharma**, Imran Sheikh, Rahul Kumar, Krishan Kumar, Pritesh Vyas and H. S. Dhaliwal (2018) Evaluation of end use quality and root traits in wheat cultivars associated with 1RS.1BL translocation. *Euphytica*: 214: 62.

8. Naresh Kumar Bainsla, Rajbir Yadav, Amit Kumar Sharma, Ram Kumar Sharma, Ambrish Sharma, Kiran B. Gaikwad, Vikram Singh, Pritesh Vyas and **Ambika Sharma** (2018) Mechanistic Understanding of Lodging in Spring Wheat: An Indian Perspective. *Indian J Agriculture Science* 88: 1483-95 (NAAS: 5.95).

- **Popular Articles**

1. Ambika Sharma and Pritesh Vyas (2018) Rice: Effect of Amylose on Glycemic Index. EU Voice Vol:IV, 19.

2. Pooja Saini, Harneet Kaur, Ambika Sharma, Imran Sheikh and Pritesh Vyas (2018) Viral outbreaks involving destabilizing evolutionary networks: Evident from human virus. EU Voice Vol:IV, 4.

3. Ambika Sharma and Pritesh Vyas (2019) An insight into Celiac disease and its various aspects. EU Voice Vol:V, 28-29.

4. Ambika Sharma and Pritesh Vyas (2020) COVID-19. EU Voice Vol:VI

Conferences Attended

- **International:7**

- **National:12**

FDPs/Workshops Attended

- **FDPs:3**

- **Workshops:4**