

Curriculum vitae

Dr. Usha Kiran

Assistant Professor (Biotechnology)

Govt. Degree College for Women, Kathua

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Date of Appointment: 18/05/2022

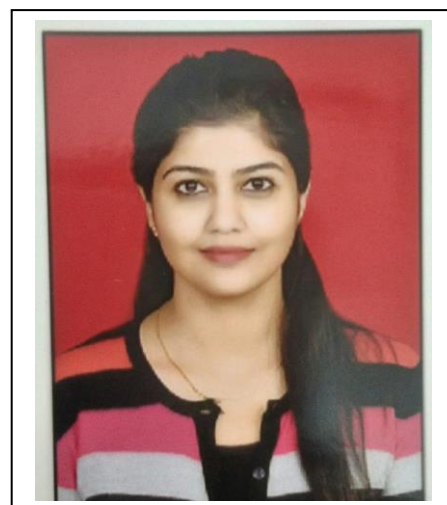
Area of Specialization: Plant Biotechnology

DOB: 05/03/1988

Marital Status: Unmarried

Parantage: Sh. Subhash Chander Motan, Smt. Garo Motan

**Address: C/o Sh. S.C Motan, Ward No.4, village Jinder Mehlu, near
govt. High School, R.S.Pura, Jammu, 181111**



Educational Qualification:

Examination	Name of Board/ University	Year of passing	Percentage
Ph.D Biotechnology	Sher-e-Kashmir university of Agricultural science and Technology, Jammu	2020	7.58/10(OGPA) 75.80%
PGDCA	Punjab Technical University, Jalandhar,	2012	65.65%
NET(LS)	CSIR	2013	
GATE		2011, 2012, 2013	
M.Sc. Biotechnology	Guru Nanak Dev University, Amritsar	2010	66.21%
B.Sc. Biotechnology	Guru Nanak Dev University, Amritsar	2008	70.89%
12 th	CBSE Board	2005	64.40%
10 th	CBSE Board	2003	71.60%

Experiences:

- Worked as **Project Assistant-II** at **CSIR- Indian Institute of Integrative Medicine**, canal road, Jammu in the project entitled “**Transcriptome sequencing and Gene annotation in coleus forskolin biosynthetic pathway**” from **20.07.2013 to 28.02.2014**
- Worked as **Project Assistant-II** at **CSIR- Indian Institute of Integrative Medicine**, canal road, Jammu in the project entitled “**Comprehensive Traditional Knowledge Digital Library(TKDL)**” from **23.11.2011 to 31.03.2012**.

Academic Accolade:

- Qualified **GATE (Biotechnology)** - 2011, 2012, 2013.
- Qualified **NET-LS (Life sciences)** – 2013 conducted by **CSIR**.
- Awarded **Rajiv Gandhi National Fellowship (JRF)** – 2013-2014 by **UGC**.

Scientific Skills:

- Expertise in Molecular techniques including handling PCR, DNA extraction, Gel documentation system, Ultra centrifuge, spectrophotometer, Gel elution.
- Expertise in Gene Pyramiding technique.
- Expertise in Molecular breeding techniques including marker assisted selection, Backcross breeding.
- Expertise in Microbial culturing of Bacteria and Fungus from soil and Plant samples.

Computer Proficiency:

- Diploma in **PGDCA (Post Graduate Diploma in Computer Applications)**.
- Well trained in using various computer software such as **Windows, MS office, MS word, MS excel etc.** and specialty in software’s such as Data retrieval from various databases such as **GGT 2.0**

Publications:

1. Mir, A. B., Sharma, M., Punya, Salgotra, R.K. and **Kiran, U.** 2019. Analysis of Allelic Differentiation and Prediction of Suitable Parents among *Brassica juncea* L. Genotypes using Microsatellite Markers. *International Journal of Current Microbiology and Applied Sciences* 8(6): 2319-7706 <https://doi.org/10.20546/ijcmas.2019.806.366> (5.38).

2. Sharma, M., Punya, Salgotra, R.K., Gupta, S.K., Rai, S.K., **Kiran, U.** and Singh, A. Molecular profiling of *Brassica juncea* genotypes using SSR marker derived polymorphism *Indian mustard, Res. J. Genet. & Biotec.*,(2018), 10(3): 342-346. (4.98).
3. Rai S.K, Sandhu R, Jat L, Kumar A, **Kiran U**, Mukhtar s, Kohli S, and Rai G.K. “ Study of Heterosis and Combining Ability for Yield and its Component Traits in *Brassica juncea* L.”, *International Journal of Current Microbiology and Applied Sciences*,(2017),6(12):2570-2579.
4. **Kiran, U.**, Sharma, M., Punya, Salgotra, R. K., Singh, B., and Singh, A. 2020. Development and characterization of Blast resistant genetic stocks in rice for Pi9 gene through backcross breeding. *Microbiology and Applied Sciences*, (2020)9(10): 310-322. <https://doi.org/10.20546/ijcmas.2020.910.039>.
5. **Kiran, U.**, Sharma, M., Punya, Salgotra, R. K., Singh, B., and Singh, A. 2020. Introgression of Pi54 gene through marker assisted backcross breeding for development of blast resistant genetic stocks in rice. *Journal of Pharmacognocny and Phytochemistry*. 2020; 9(6): 1034-1040

Abstracts:

1. **Kiran, U.**, Sharma, M., Punya and Salgotra, R.K..2019. Molecular marker assisted introgression of rice blast resistance genes in *Oryza sativa* L. *National conference on Women Empowerment Through Agro-Entrepreneurship for Livelihood Security*. 07-08th Februray, 2019 organized by Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences (SIDAVES) SKUAST-J, Chatha, Jammu, pp 64-65 (Abstract).
2. Punya, Sharma, M., Salgotra, R.K., **Kiran, U.**2019. Women in Biotechnology: Role Models for Entrepreneurship *National conference on Women Empowerment Through Agro-Entrepreneurship for Livelihood Security*. 07-08th Februray, 2019 organized by Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences (SIDAVES) SKUAST-J, Chatha, Jammu, pp 158-159 (Abstract).
3. **Kiran, U.**, Punya, Sharma, M. and Salgotra, R.K. 2019. Identification of Blast Resistance Genes in Rice through Allele Mining. In: Abstract Book, 5th *J&K Agriculture Science Congress on Climate Change Management for Sustainable Agriculture, Livestock Farming and Ecological Development*. Organized by J&K Science and Tech. and Innovation Council and SKUAST-Jammu w.e.f. 14-16 October, 2019. Pp 13

Professional Development :

- Participated in 101st “The Indian Science Congress” held at University of Jammu, Jammu from Feb 3 to 7, 2014.
- Participated in “Indo-US Symposium on Botanical Drug Development” organised by CSIR-IIIM, Medanta-The Medicity and NCNRP at Gurgaon from Dec 13 to 14, 2013 at Medanta- The Medicity.
- Participated in International conference on “Recent Trends in Bioinformatics and Biotechnology for Sustainable Development held from Oct 12-13, 2017 at the faculty of Veterinary Science and Animal Husbandry, SKUAST-Jammu.
- Participated in National conference on Women Empowerment Through Agro-Entrepreneurship for Livelihood Security. 07-08th February, 2019 organized by Society for Integrated Development of Agriculture, Veterinary and Ecological Sciences (SIDAVES) SKUAST-J, Chatha, Jammu
- Participated in 5th J&K Agriculture Science Congress on Climate Change Management for Sustainable Agriculture, Livestock Farming and Ecological Development. Organized by J&K Science and Tech. and Innovation Council and SKUAST-Jammu w.e.f. 14-16 October, 2019

Extra Co-Curricular Activities:

- Attended one day workshop “**An Innovative Training Programme in Biotech World**” organised by Biotechnology/ Botany Department, Has Raj Mahila Maha Vidyalaya, Jalandhar on 21.9.2007
- Four week in-plant training at **Verka Milk Plant**, Jalandhar from 1.6.2007 to 28.6.2007.
- 2nd Prize in Carrom Board competition at CSIR-IIIM.
- 1st Prize in Volley Ball competition at Kendriya Vidyalaya No.1, Jalandhar in inter house games and competition.