CURRICULUM VITAE

KALPESH NATH YAJNIK

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Objective:

To utilize my inherent and acquired skills and talent to get a dynamic role in the organization and to work in a challenging environment that would facilitate continuous learning and help personal and organization growth.

Academic Profile

Qualification Details	Year	%age/CGPA	Institute	Board/University
High School	2012	8.4 CGPA	India International school, Jaipur	CBSE
Senior Secondary	2014	77%	India International school, Jaipur	CBSE
B.Sc. Biotechnology*	2017	8.31 CGPA	JECRC University, Jaipur	JECRC University, Jaipur
M.Sc. Biotechnology#	2019	66.20%	Dr. B. Lal Institute of Biotechnology, Jaipur	University of Rajasthan

*** BSc. Project entitled:**

Developing suspension cultures in an endangered Himalayan herb" at CSIR- Institute of Himalayan Bioresource Technology, Palampur under the supervision of Dr. Amita Bhattacharya, Biotechnology Division.

Duration: February 06, 2017 to June 22, 2017.

 # MSc. Project entitled:

Genome wide analysis of WRKY gene family in *Musa acuminata*" at Dr. B. Lal Institute of Biotechnology, Jaipur under the supervision of Dr. Purva Bhalothia.

Duration: February 10, 2019 to May 15, 2019.

Awards and Achievements

2019: Qualified GATE 2019 in Biotechnology, Score-362; Rank- 1375

2012: Certificate of Trinity Grade I.

Book chapters

- Alok, A., Jain, P., Kumar, J., **Yajnik, K**. and Bhalothia, P., 2020. Genome engineering in medicinally important plants using CRISPR/Cas9 tool. In *Genome Engineering via CRISPR-Cas9 System* (pp. 155-161). Academic Press.
- Bhalothia, P., **Yajnik, K**., Alok, A. and Upadhyay, S.K., 2020. The current progress of CRISPR/Cas9 development in plants. In *Genome Engineering via CRISPR-Cas9 System* (pp. 123-129). Academic Press.
- **Yajnik, K**., Bhalothia, P., 2021. The role of lncRNA in reproductive tissue development and flowering in plants. In *Long Noncoding RNAs in Plants: Roles in Development and Stress*. (pp. 257-277). Academic Press.

Poster Presented

- **Yajnik. K**, and Verma. K (2016). Havoc caused by the biomedical waste generated from hospital and laboratories. ICCSR Sponsored National Conference on Environmental Pollution: Consequences and control, October 7-8, 2016, The IIS University, Jaipur, India

Technical Skills:

Tissue culture techniques Explant culture, callus and suspension culture, microscopy and histology**.**

Molecular and biochemical techniques Isolation of DNA, RNA, PCR, Genetic transformation through agrobacterium mediated and antioxidant assays.

Microbiological techniques Isolation of bacteria and fungi from soil, water and air; preparation of pure culture through streak plate method, spread plate method, pour plate method and staining techniques.

Software and programming knowledge:

- Working knowledge of MS Office (MS word, MS excel, MS power point), HTML (Beginner).
- Programming: R Language (R for Data Science).

Trainings and workshops attended:

(1) Summer training in Biotechnology at Birla Institute of Scientific Research, Jaipur from June 08, 2015 to July 18 2015.

(2) Training at CSIR- Institute of Himalayan Bioresource Technology, Palampur under Biotechnology Division on the project entitled "Developing suspension cultures in an endangered Himalayan herb" from February 06, 2017 to June 22, 2017.

(3) Training at Dr. B. Lal Institute of Biotechnology, Jaipur on the project entitled "Genome wide analysis of WRKY gene family in *Musa acuminata*" from February 10, 2019 to 15 May, 2019.

Declaration

I hereby do solemnly affirm that the details furnished above are true to the best of my knowledge.

Kalpesh Yajnik