

## CURRICULUM VITAE

- 1 Name Dr. Bhawna Anand
- 2 Husband's Name Mr. Vivekanand
- 5 Nationality Indian
- 3 Date of Birth 19th November, 1973
- 4 Mailing Address B-501, Crystal Court, Hiranandani Complex, Sector 7 Kharghar, Navi Mumbai 410211

### 6 Academic Qualification:

Degree / Exam Passed	Year	Division	% of Marks	University / Board	Major Subjects
Ph.D.(Botany)	2019	Passed		L.N.Mithila Univ. Darbhanga Bihar	Botany
NET	2010			ASRB	Horticulture
M. Sc.	1997	1st	80.85	G.B.P.U. A & T, Pantnagar (Uttarakhand)	Horticulture
CTET	Dec.2018	Qualified	66 %	CBSE	PAPER II
		Qualified	78%		PAPER I
B.Ed	1999	1st	68.5	Patna University	Science
B.Sc	1995	1st	65.25	Patna University	Botany (Hons) Zoology, Chemistry, English
I.Sc	1991	1st	69.00	Intermediate Council, Patna	Botany, Zoology. Physics, Chemistry, English
S.S.C(CBSE)	1989	1st	72.30	CBSE	English, Hindi, Science, Social Studies

7. **Thesis Topic in M. Sc. ( Horticulture )**  
**Changes in some bio-chemical constituents in developing Peach Fruit.**
8. **Thesis Topic in Ph.D :Standardization of an improved micro propagation protocol for *Gerbera sp.***
9. **Recent Work Experience:**

S. I	Name of the Organization / School and Board Affiliated to CBSE, SSC, ICSE.	Period (From – To)	Designation	Classes taught	Subjects taught
1.	Lady Irwin college Delhi University	2007-2010	Lecturer (On lecture Basis)	B.Sc IIInd Yr.(P)	Introduction to Life Sciences-Botany
2.	Lady Irwin college Delhi university	2010-2014	ADHOC LECTURER	B.Sc IIInd Yr.(P). B.Sc IIInd Yr.(H)	1.Introduction to Life Sciences-Botany 2.Applied Life Sciences-Botany
3,	DAV Public School New Panvel	June 2018-till present	TGT(Science)	Classes, IX and X	<b>Science Biology</b>
	Total Teaching experience (in years) =10 yrs 8 months				

## 10. Topics Taught:

Specialization	Course Content
B.Sc.(H.sc) IInd yr Pass.	<b>THEORY -Introduction to Life Sciences.</b> Course content : 1. Classification of Plants into Algae Fungi, Bryophytes, Pteridophytes, Gymnosperms Angiosperms. And their Economic importance. 2. Morphology: Root Stem Leaf Flower, Fruits , Double Fertilization in angiospermic plants. 3. Anatomy: Maristamatic and Permanent Tissues . Anatomy of Root Stem and Leaf. 4. Physiology: Ascent of Sap. Photosynthesis Respiration. Nitrogen Cycle <sup>0</sup> -, Carbon Cycle Sulphur Cycle. .
B.Sc. (H. Sc). IInd yr Pass	<b>Practical Botany</b> Germination of seeds, Identification of Permanent slides of Root Stem and Leaves.. Preparation of Temporary mounts of Onion peel and <i>Rhoeo</i> leaf epidermis. Floral description of some Angiospermic families: Malvaceae, Papilionaceae, Solanaceae. . Physiology Experiments a. Role of light, CO <sub>2</sub> , Chlorophyll in photosynthesis. b. Transpiration in leaf by using cobalt chloride method. c. Demonstration of osmosis using semi-permeable membrane in plant. d. Aerobic respiration in germinating seeds by Ganong's respirometer.
B.Sc. ( H.Sc. ) iind yr Hons.	<b>THEORY – Applied Life Sciences</b> 1: Diversity of Life 2. Seed and Vegetative Propagation 3. Microbiology: Role of microbes in : Fermented Beverages, Antibiotics, Biofertilizers 4. Biotechnology and its role in agriculture 5. Ecology
B.sc. ( H.Sc.)IInd year Hons.	<b>Practical Botany:</b> 1. Seed pan preparation, Vegetative propagation by underground stem, Repotting. 1. Seed bed. Preparation 2. Vegetative Propagation : Cutting , Layering , Budding , Grafting,

	3..Identification and Classification of Medicinal and Aromatic plants. Identification of Ornamental plants. , Spices and Condiments. 4. Identification and Classification of few Fungi, Bacteria
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**11. Publications: Total No**

Papers published in peer reviewed journals (national / international)

- 1) ISSN :0972-8538 ;** Indian Journal of horticulture ,year 2000 Vol.57 ,Issue :1 “Changes in biochemical constituents in developing peach fruits ”
- 2) ISSN: 2249-894X;** In-vitro regeneration of *Gerbera jamesoni* from leaf explant. in journal (Lakshmi Publication) 2018

\*Books (with ISBN with details of publishers)

- 1. ISBN :978-93-81302-32-3 ;**Empowerment of women in Agriculture

**12. Completed Certificate Course in Organic Farming from IGNOU in 2013**

**13. Practical Work Experience**

- 1 International Paper Presentation in : International conference on Innovative Research in Life Sciences for Sustainable Development. July 29-30,2021 Organised by University Department of Botany,L.N.Mithila University, Darbhanga**
- 2 AICTE Training and Learning Academy.5 Day FACULTY ENRICHMENT PROGRAMME on Green Technology and Sustainable Engineering (5.7.2021-10.7.2021)**
- 3. Done a 1month advanced training course in Biotechnology from Rapture Biotech , Noida**
- 4..Participated in Faculty Enrichment Programme at Lady Irwin College 2011**
- 5..Part of orientation programme coordination in Lady Irwin college 2010**
- 6..Teaching experience of 6 months in a secondary school during B.Ed.**
- 7..Worked as Graduate assistant in Project entitled “ All India Coordinated Research Project - - Sub Tropical Fruits ” ( An I.C.A.R. Project ) Duration = 6 Months during M.Sc.**
- 8.Delivered a Seminar at Pantnagar**  
Topic: “Bio – Chemical changes during growth, development and

ripening of fruits”

9..Worked with Gujarat Horticulture Society as Consultant Horticulturist from Aug. 2004 to Aug. 2006

Nature of Work: Managing production and propagation among nursery plants.

Conducting horticultural activities.

Advice on upkeep and maintenance of plants.

Publishing: Published a popular article on Peach fruit in the annual publication of Gujarat Horticulture Association.

10..Attended a symposium on “Improving Food and Nutitrition Security in India” Dept of Food and Nutrition. Lady Irwin college 2008

11.Attended Capacity Building Workshop in DAV Kharghar, Mumbai

**14. Software Awareness**

Completed a six month BSM certificate course from NIIT.

**15. Extra Curricular Activities**

Member of Horticulture Society, Pantnagar.

Editor of Wall magazine "Bhavna" of CBSH Society, Pantnagar.

Won First Prize in sketching competition at G. B. Pantnagar University Engg College.

Attended excursion trip to Nainital Ramnagar, Himachal Pradesh as Team leader.

Won several awards at school & University level in cultural and literary events.

**16. Hobbies**

Sketching, Reading

**17. Languages Known**

English and Hindi

**18. References :**

1. Dr, Rupa Upadhyay.  
HOD, Dept, of DCE & Associate Prof. Lady Irwin College Delhi Univ.

2. Dr. Neeru Dubey  
Project Head, Post Harvest Technology, Ernest and Young

3. Dr. R.L. Arora,  
Retd. Prof. G.B.P.U.A&T, Pantnagar, Uttarakhand

**Date : 3.03. 2022**

**Dr. BHAWNA ANAND**

**Place : Khar Ghar, Navi Mumbai**

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