

## Curriculum Vitae

- 1. Name** : Dr. NISHI MEHTA  
**2. Designation** : ASSISTANT PROFESSOR  
**3. Department** : BOTANY AND ENVIRONMENT SCIENCE  
**4. Date of Birth** : 23.06.1979  
**5. Address for Correspondance** : Dept of Botany and Environment Science,  
Sri Guru Granth Sahib World University,  
Fatehgarh Sahib-140406  
**Mobile** : 7589325406  
**E-mail** : nishisondhi@yahoo.co.in  
**6. Areas of Specialization** : Natural Plant Products and environment toxicology.  
**7. Academic Qualification :**

S. No.	Degree Held	Degree of Year awarded	Board/Univ/Inst.	Marks (%)	Subject taken
1.	B.Sc. (Hons) Botany	2001	Guru Nanak Dev University, Amritsar	55.04	Botany, Seed Technology, Chemistry, Physics
2.	M.Sc. (Hons) Botany	2003	Guru Nanak Dev University, Amritsar	61.03	Botany, Plant Biotechnology
3.	Ph.D.	2009	Guru Nanak Dev University, Amritsar		Isolation of Brassinosteroids from <i>Aegle marmelos</i> and <i>Centella asiatica</i> and evaluation of their antigenotoxic potential.

### 8. Scholarships

Fellowship by University grant commission (U.G.C.), New Delhi. India, during Ph.D. program.

**9. Teaching Experience:** Nine months teaching as Assistant Professor at Mata Gujri College, Fatehgarh Sahib (1<sup>st</sup> July 2013-28<sup>th</sup> March 2014).

### 10. Published Work (Numbers only)

- a. Research Papers
  - i) International : 02
- b. Conference/Seminar presentation: 2
- c. Workshops: 2

## 11. Techniques Known

- Isolation and Characterization of PGRs (BRs,) and other compounds
- Comet assay, AMES assay, SOS chromotest, *allium cepa* chromosomal aberration assay
- Quantitative and Qualitative Analysis of Proteins and Antioxidative Enzymes
- Electrophoretic Techniques (Agarose Gel Electrophoresis, Polyacrylamide Gel Electrophoresis (PAGE))
- Chromatographic techniques
- Spectrophotometry (UV-Visible)
- Atomic Absorption Spectrophotometry (Phytoremediation)
- Plant Tissue Culture Techniques
- Isolation and Characterization of PGRs (BRs,) and other compounds.
- Microscopy (Fluorescent Microscopy, Inverted Microscopy)
- Computer Knowledge: Operating system, Window XP, 98, Office 2000, MS-Excel, Fortran 77, Adobe Photoshop, Power Point Presentation, Statistical Techniques, Internet Browsing and e-Journal Search

**12. Research Interest.** Isolation of bioactive compounds and their antimutagenic and antioxidative potential.

## 13. Projects handled/worked on

Worked on the project entitled “Decontamination of potable water and waste water.” for the fulfillment of M.Sc. degree.

## 14. Conferences, Seminars, Workshops attended

1. Attended Sixth (Fulbright) - SAARC IAELP International Workshop on “Water Saving Technologies”. Department of Botanical & Environmental Sciences, G.N.D.U, Amritsar (Punjab). February 22-24, 2006.
2. Zonal Level Workshop on Disaster Preparedness, Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar (September 23-25, 2006).
3. National symposium on Plant cytogenetics: Recent Trends, Department of Botany, Punjabi University, Patiala (Feb 15-16, 2008).
4. Attended the 27<sup>th</sup> Annual Convention for Cancer Research Networking Research to Applications and International Symposium on Frontiers in Functional Genomics (Feb 7-9, 2008)
5. National Seminar on Depleted Uranium: Environmental Hazards. Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar (April 5, 2008).

## 15. TRAININGS

One month training at PAU, Ludhiana for seed technology.

Four and half months training at IHBT, Palampur on sophisticated instruments.