

CURRICULUM VITAE

DR. VIVEK SHARMA
(M.Sc. B.Ed. Ph.D.)



Ph. D. From:-

Department of Botany,
Punjabi University Patiala-147002
Punjab (INDIA).

Natural Plant Product Division
I.H.B.T. (CSIR) Palampur-176061
Himachal Pradesh (INDIA).

+91-98167-67189 (H.P.)
E-mail: vivek03sharma@rediffmail.com

+91-1893-254650 (Resi.)

I believe that my capacity for leadership, high productivity and problem solving skills can make a significant contribution to the success of any research institute/organization. Thanks to the experience and expertise, I have acquired in the research institutions, it helped me to quickly and efficiently adapt to virtually any field of research/work related to Botany (Medicinal Plants), Pharmaceuticals and interdisciplinary areas.

Objective:

To be in a challenging profession where I can utilize my skills and put forth my best for the organizational development and self-growth.

Educational Qualification:

- **Ph.D. from the Department of Botany, Punjabi University, Patiala, Punjab and Natural Plant Product Division, IHBT (CSIR) Palampur, Himachal Pradesh, on topic entitled, "Exploration of Cytomorphological Diversity and Chemical Evaluation of Some Important Medicinal Plants from North-India." 2010.**
- **M.Sc. Botany Barkatullah University Bhopal, 67.58 % (2005), Madhya Pradesh, India.**
- **"Swift India 2000" Diploma in computers application from NIIT, India.**
- **B.Ed. Jammu University, 65.72 % (2003) Jammu and Kashmir, India.**
- **B.Sc. Medical, M.C.M.D.A.V. College Kangra, 61.58 % (1999-2002), Himachal Pradesh, India.**

Research Interests

- Field Exploration and taxonomic studies of medicinal plants diversity
- Cytomorphological studies of medicinal plants
- Natural Plant Product Isolation, Solvent extractions
- GC-MS analysis of essential oils bearing medicinal & aromatic plants
- HPLC, HPTLC chromatographic techniques
- Trace element/mineral content analysis (AAS)/(ICPMS)
- *In vitro* antioxidant activities
- Antimicrobial assay techniques
- Herbal drugs preparation
- Tissue culture techniques for medicinal plants
- Hydroponic agriculture for medicinal plants

Working Techniques

- ✓ Field exploration and taxonomy of medicinal plants
- ✓ Cytomorphological evaluation techniques for medicinal plants
- ✓ Isolation, separation methods, chromatography techniques
- ✓ HPLC, HPTLC
- ✓ GC-MS, LCMS
- ✓ Kjeldahl Method of Protein Estimation
- ✓ Herbal drugs preparation
- ✓ Trace element/mineral content analysis (AAS & ICPMS)
- ✓ Anti-microbial and anti-oxidant assay techniques
- ✓ *In-vitro* Bioactivities
- ✓ Tissue culture techniques for medicinal plants
- ✓ Hydroponic agriculture for medicinal plants
- ✓ I am interested in learning the techniques which are required for your research work.

Additional Qualification

- 1st division with 71% marks in 10th Punjabi exam 2008 from H.P.S.E.B. Dharamsala (H.P).
- Working knowledge with computer and Internet (Diploma from NIIT).

Work Experience: 10-Years of Teaching & Research Experience

S. No.	Recent Institution /Place	Position	Working From
1.	Department of Botany, Eternal University, Baru Sahib-Sirmour, Himachal Pradesh, India.	Associate Professor (Regular Position) & HoD, Botany (Medicinal Plants)	01/09/2010- till date...

International Collaborations: Dr. Vivek Sharma is also act as a guest faculty member of **Bionatural Healing College of U.S.A.** (From 2016 till date)

National / International Awards/Recognitions:

1. Got 3rd Position in an International Award i.e. **Dr. P. D. Sethi Research Paper Award** (2007-2008) for one of the most important and valuable medicinal plant i.e. ***Withania somnifera* L. (Ashwagandha).**
2. Got 1st Position in a Research Paper Award (2009) i.e. in International Journal of Drug Development and Research (An official product of Elsevier) on an aromatic plant ***Mentha arvensis* L.**
3. **Young Scientist Award** (2019) by RCFC-North-I, NMPB, Ministry of AYUSH, Govt. of India.
4. Appointed as Cluster Head (Medicinal Plants) for Sirmour and adjoining Districts of H.P. by the Hon'ble Director, RCFC-North-I, NMPB.

Students Guided/Registered for Ph.D.:

- Three (03) Ph.D. Students Guided
- Six (06) Ph.D. Students registered at present.

S. No.	Title of Project	Name of Student	Regn. No.	Major Advisor	Co-Advisor	Status
1.	EXPLORATION OF CYTOMORPHOLOGICAL, GENETIC AND PHYTOCHEMICAL, VARIABILITIES IN DIFFERENT SPECIES OF GENUS <i>PHYSALIS</i> (L.)	Navdeep Sharma	BS13PSBT003	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
2.	CYTOMORPHOLOGICAL, PHYTOCHEMICAL AND BIOMOLECULAR EVALUATION OF GERMPLASM OF <i>WITHANIA SOMNIFERA</i> (L.) DUNAL AND <i>TINOSPORA CORDIFOLIA</i> MIERS EX HOOK F. & THOMS FROM NORTH-WEST INDIA	Anisha Bano	BS13PSBT002	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
3.	PHYTOCHEMICAL CHARACTERIZATION AND BIOACTIVITY ANALYSIS OF WHEAT SEEDLINGS (<i>TRITICUM AESTIVUM</i> L.) AND BARLEY SEEDLINGS (<i>HORDEUM VULGARE</i> L.) FOR FORMULATION OF NEW HERBAL PRODUCTS	Nandita Thakur	BS15PSBT004	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Thesis Submitted
4.	CYTO-MORPHOLOGICAL, PHYTOCHEMICAL, MOLECULAR CHARACTERIZATION AND FORMULATION OF NEW HERBAL PRODUCT FROM SELECTED SPECIES OF GENUS <i>BERBERIS</i> (L.) FROM HIMACHAL PRADESH	Shagun Sharma	BS18PSBT001	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Registered
5.	COMPARATIVE CHARACTERIZATION OF PHYTOCHEMISTRY AND BIOACTIVITY EVALUATION OF GENUS <i>MURRAYA</i> (J. KOEING EX L.) FROM INDIA	Anjali	BS19PSBT001	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Registered
6.	INTERSPECIFIC RELATIONSHIP AND COMPARATIVE PHYTOCHEMICAL CHARACTERIZATION OF DIFFERENT SPECIES OF GENUS <i>PHYLLANTHUS</i> FROM INDIA.	Jasneet Kour	BS19PSBT002	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Registered
7.	COMPARATIVE STUDY OF BREEDING BEHAVIOR, PHYTOCHEMICAL CHARACTERIZATION AND BIOACTIVITY EVALUATION OF SELECTED SPECIES OF <i>PHYSALIS</i> L. FROM INDIA.	Rohita	BS19PSBT003	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Registered
8.	PHARMACOGNOSY, PHYTOCHEMICAL CHARACTERIZATION AND BIOACTIVITY EVALUATION OF GENUS <i>BOERHAVIA</i> (L.) FROM INDIA	Shivani Sharma	BS19PSBT004	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Registered
9.	Topic not finalized.	Priyanka	----	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Registered

Students Guided During Training/ (PG):

- Guided two (02) students of M. Tech. Biotechnology (6 month training) from G.G.S.W. University, Fatehgarh Sahib (Punjab) India.
- Guided ten (10) M.Sc. students and two (02) M.Sc. Botany students are still working.

S. No.	Title of Project	Name of Student	Regn. No.	Major Advisor	Co-Advisor	Status
1.	Evaluation of Cytomorphological, Phytochemical and Pharmacological Aspects of Genus <i>Valeriana</i> (L.)- A Threatened Understory Medicinal Herb	Anjali	BS16MSB001	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
2.	Botanical and Phyto-pharmacological Exploration of Genus <i>Berberis</i> (L.) from Himachal Pradesh (India)	Himani Guleria	BS16MSB004	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
3.	Cytomorphological and Phytochemical Characterization of Genus <i>Dioscorea</i> -A Highly Threatened Himalayan Medicinal Plant	Manisha Sharma	BS16MSB007	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
4.	Morpho-anatomical and RAPD marker assisted profiling in wild <i>Scutellaria repens</i> (Lamiaceae) from Baru-Sahib area of Himachal Pradesh	Neha Sharma	BS16MSB008	Dr. Vivek Sharma (Co- Advisor)	----	Degree awarded
5.	Botanical and Phyto-pharmacological Exploration of Genus <i>Gentiana</i> (L.) from Himachal Pradesh (India)-A Critically Endangered Medicinal Plant	Shagun Sharma	BS16MSB010	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
6.	Development, Bioactivities Evaluations and Standardization of a Novel Anti-diabetic Polyherbal Formulation	Irvan Kour	BS17MSB003	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
7.	Development, Phytochemical Characterization and Standardization of a Novel Anti-diabetic Polyherbal Formulation	Richa Sharma	BS17MSB007	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
8.	Botanical and Phytopharmacological Exploration of <i>Boerhavia diffusa</i> (L.) from Sirmour District of Himachal Pradesh	Shivani Sharma	BS17MSAGN003	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Degree awarded
9.	Cytomorphological Evaluation, Phytochemical Characterization and Bioactivities of Genus <i>Ocimum</i> (L.) from Himachal Pradesh	Alpna Thakur	BS18MSB001	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Thesis Submitted
10.	Cytomorphological Evaluation, Phytochemical Characterization and Bioactivities of <i>Vernonia amygdalina</i> Delile from Himachal Pradesh	Priyanka Sharma	BS18MSB004	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Thesis submitted
11.	Hydroponic Cultivation, Phytochemical Characterization and Bioactivities Evaluation of (Brahmi) <i>Bacopa monnieri</i> (L.).	Deepika	BS19MSB001	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Synopsis Submitted
12.	Cytomorphological Evaluation, Phytochemical Characterization and Bioactivities of <i>Woodfordia fruticosa</i> from Himachal Pradesh	Srishti Chauhan	BS19MSB007	Dr. Vivek Sharma	Dr. H.S. Dhaliwal	Synopsis Submitted

Patents Filed/Obtained: (01-Filed & 02-Submitted for filling)

Sr. No	Description of Patent	Patent No./ Filing Date	Applicant	Inventors
1.	Method of Isolating Compounds from Plant <i>Physalis angulata</i> (L.) and the Compounds thereof	202011035919 Filed on: 20/08/2020	Eternal University	Vivek Sharma et al., 2020.
2.	On <i>Withania somnifera</i> (L.) and related research (Tentative title)	Submitted	Eternal University	Vivek Sharma et al., 2020.
3.	On <i>Berberis</i> (L.) and related research (Tentative title)	Submitted	Eternal University	Vivek Sharma et al., 2020.

List of Publications: (Research Papers Published=29; Popular articles=12, Communicated=5)

LIST OF PUBLISHED RESEARCH PAPERS

1. **Vivek Sharma**, Ajai P. Gupta, Pamita Bhandari, Raghbir C. Gupta, Bikram Singh, A Validated and Densitometric HPTLC Method for the Quantification of Withaferin-A and Withanolide-A in Different Plant Parts of Two Morphotypes of *Withania somnifera*, **Chromatographia**, 2007, 66, 801-804. **(Springer IF=1.4), (NAAS=7.40) (UGC Approved)**
2. **Vivek Sharma**, Nisha Sharma, Preet B. Attri, Raghbir C. Gupta, and Bikram Singh, Cytology and HPTLC Fingerprinting in Different Morphotypes of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India. **Bionature**, 28 (2), 2008:69-77. **(UGC Approved)**
3. Raghbir C. Gupta , **Vivek Sharma**, Nisha Sharma, Neeraj Kumar, Bikram Singh. *In Vitro* Antioxidant Activity from Leaves of *Oroxylum indicum* (L.) Vent.- A North Indian Highly Threatened and Vulnerable Medicinal Plant. **Journal of Pharmacy Research**, 2008, 1, 66-72. **(SCImago Journal Rank (SJR):0.787) (UGC Approved)**
4. **Vivek Sharma**, Nisha Sharma, Bikram Singh and Raghbir C. Gupta, Cytomorphological Studies and HPTLC Fingerprinting in Different Plant Parts of Three Wild Morphotypes of *Datura metel* L. "Thorn Apple" from North India. **International Journal of Green Pharmacy**, 2009, 3 (1): 40-46. **(NAAS=3.96) (RGIF=0.68) (UGC Approved)**
5. Raghbir C. Gupta, **Vivek Shama** and Preet Bala Attri, Cytomorphological Studies and HPLC Determination in Different Plant Parts of Three Wild Morphotypes of *Datura metel* L. "Thorn Apple" from North India. **National Workshop on Quality Control of ASU drugs with Pharma Industry as a Partner**, 2009, 129-138.
6. **Vivek Sharma**, Nisha Sharma, Harbans Singh, Devendra K Srivastava, Vijaylata Pathania, Bikram Singh, Raghbir C. Gupta. Comparative Account on GC-MS Analysis of *Mentha arvensis* L. "Corn Mint" from Three Different Locations of North India. **Int. J. Drug Dev. & Res.**, 2009; 1(1):1-9. **(JIF=0.5)**
7. **Vivek Sharma**, Nisha Sharma, Vijaylata Pathania, Reyaz A. Malik, Bikram Singh, Raghbir C. Gupta. GC-MS Analysis and Antimicrobial Activity of Essential oil of *Mentha piperita* L. from Kullu-A North Indian Region of Higher Altitude Himalayas. **Int. J. Drug Dev. & Res.**, 2010, 2(4):40-46. **(JIF=0.5)**
8. **Vivek Sharma**, Bikram Singh and Raghbir C. Gupta. GCMS Analysis and Anti-microbial Activity of Essential Oil of *Artemisia minor* Jacq. ex Bess. from Lahaul & Spiti (Cold Desert) Region of North India. **Int. J. Drug Dev. & Res.**, 2011, 3(1):127-139. **(JIF=0.5)**
9. **Vivek Sharma**, Nisha Sharma, Vijaylata Pathania, Tulika Mishra, Aruna Bhatia, Bikram Singh, Raghbir C. Gupta. Essential Oil Analysis and Anti-microbial Activity of *Artemisia parviflora* Buch.-Ham. ex D. Don from Losar (4079m)-A cold Desert of North Indian Higher Altitude Himalayas. **Journal of Essential Oil-Bearing Plants** (2010) 0972-060X Online: 0976-5026 **(Taylor & Francis). (IF=0.49)**
10. **Vivek Sharma**. Part Based HPLC-PDA Quantification of Podophyllotoxin in Populations of *Podophyllum hexandrum* Royle "Indian Mayapple" from Higher Altitude

Himalayas. *Journal of Medicinal Plants Studies*, 2013, 1(3): 176-183. (NAAS=3.53) (RJIF=5.69)

11. **Vivek Sharma**. Comparative Studies on Essential Oil Composition of Rose Scented Geranium "*Pelargonium graveolens*" from Different Higher Altitude Ranges of North Indian Himalayas. *International Journal of Recent Scientific Research*, 2013, 4 (6) 742-746. (IF=7.38) (UGC Approved) NAAS=3.65
12. **Vivek Sharma**. HPLC-PDA Method for Quantification of Withaferin-A and Withanolide-A in Diploid (n=12) and Tetraploid (n=24) cytotypes of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India. *International Journal of Indigenous Medicinal Plants*, 2013, 46(2) 1245-1250. (IF=4.18)
13. **Vivek Sharma**, Raghbir C. Gupta, Santosh Bala and Bikram Singh. New Chromosome Number Reports in Some Medicinally Important Angiosperms of North India. *Cytologia*, 2013, 78(3): 285-296. (NAAS=6.91) (IF=0.9) (UGC Approved)
14. **Vivek Sharma**, Raghbir C. Gupta, Bikram Singh, Harcharan Singh Dhaliwal, Devendra Kumar Srivastava. Volatile Oil Composition and Antimicrobial Activity of Essential Oil of Two Varieties of *Ocimum sanctum* (L.) from Dhameta (Kangra)-A North Indian Region. *International Journal of Recent Scientific Research*, 2014, 5(1)142-147. (IF=7.38) (UGC Approved)
15. **Vivek Sharma**, Devendra K Srivastava, Bikram Singh, Raghbir C. Gupta, Harcharan S. Dhaliwal. In vitro Antimicrobial Activity and GCMS Analysis of Essential Oil of *Artemisia maritima* (Linn.) from Lahaul & Spiti (Cold Desert) Region of North-Indian Higher Altitude Himalayas. *Journal of Medicinal Plants Studies*, 2014, 2(1): 45-52. (NAAS=3.53) (RJIF=5.69)
16. **Sharma Vivek**, Sharma Navdeep, Bano Anisha, Kumar Sanjeev, Dhaliwal Harcharan Singh. Atomic Absorption Spectroscopic Determination of Few Major and Trace Elements in Nature's Finest Medicine (Wheatgrass Juice Powder) *Triticum aestivum* L. and their Possible Correlation with Reported Therapeutic Activities: Part-I. *International Journal of Pharmaceutical & Clinical Research*, 2014, 6(3): 256-264. (IF=1.66) (UGC Approved)
17. **Vivek Sharma**, Harcharan S. Dhaliwal, Raghbir C. Gupta, Bikram Singh. Comparative Evaluation of Cytomorphological Studies on 27 Accessions of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India. *Brazilian Journal of Botany*, 2014, 37(4) 583-594. DOI 10.1007/s40415-014-0094-x (2014, Springer). (IF=0.79) (UGC Approved)
18. **Vivek Sharma**, Harcharan S. Dhaliwal, Raghbir C. Gupta, Bikram Singh. Comprehensive Ethno-botanical Survey and Cytomorphological Status of Some Important Medicinal Plants from Himachal Pradesh-A North Indian State. *World Journal of Pharmaceutical Research*, 2014, 3(10): 681-712. (SJIF=8.07) (UGC Approved)
19. Gurwinder Singh, Bhawandeep Kaur, Navdeep Sharma, Anisha Bano, Sanjeev Kumar, Harcharan S. Dhaliwal, **Vivek Sharma**. In-vitro Micropropagation and Cytomorphological Evaluation of *Centella asiatica* (L.) Urban (Mandukparni) from Himachal Pradesh (India) - An Endemic, Endangered and Threatened Herb. *Plant Tissue Cult. & Biotech.*, 2014, 24(2): 155-171. (RG=0.59)
20. Devendra Kumar Srivastava, **Vivek Sharma**, Chander Bhan Arora, Rajeev Sharma. Characterization and Preliminary Evaluation of *Jatropha curcas* L. Germplasm

Under the Natural Climatic Condition of New Bhusur, Jharkhand (India).
'INSIGHT' – International Journal of Science, 2014 (1): 33-38. (IF=2.25)

21. Navdeep Sharma, Anisha Bano, Harcharan S. Dhaliwal, **Vivek Sharma**. Perspectives and Possibilities of Indian Species of Genus *Physalis* (L.)– A Comprehensive Review. **European Journal of Pharmaceutical & Medical Research, 2015, 2(2): 326-353. (SJIF=4.89)**
22. Anisha Bano, Navdeep Sharma, Harcharan S. Dhaliwal, **Vivek Sharma**. *Withania somnifera* (L.) Dunal (Ashwagandha)-A Comprehensive Review. **British Journal of Pharmaceutical Research, 7(2):63-75, 2015. (NAAS=5.51)**
23. Navdeep Sharma, Anisha Bano, Harcharan S. Dhaliwal, **Vivek Sharma**. A Pharmacological Comprehensive Review on 'Rassbhary' *Physalis angulata* (L.). **International Journal of Pharmacy and Pharmaceutical Sciences, 2015, 7(8):30-34. (IF=0.5)**
24. Harcharan S. Dhaliwal, Navdeep Sharma, Anisha Bano, Sanjeev Kumar, **Vivek Sharma**. Non-Enzymatic Assay Based *In-vitro* Antioxidant Activity and Phytochemical Screening of Freeze Dried Wheat (*Triticum aestivum* L.) Seedlings Juice Powder: Nature's Finest Medicine-Part-II. **International Journal of Pharmaceutical Sciences & Research, 2015, 6(9): 4036-4046. (IF=1.83)**
25. Devendra Kumar Srivastava, Manjit Inder Singh Saggoo, **Vivek Sharma**. Meiotic Chromosome Number in a Few Taxa of the Lamiaceae from Lahaul-Spiti (Cold Desert) and its Adjoining Areas of North West Indian Himalaya. **Chromosome Botany, 2015, 10: 128-137. (RGIF=0.94)**
26. **Vivek Sharma**, Devendra K. Srivastava, Raghbir C. Gupta, Bikram Singh. Abnormal Meiosis in Tetraploid (4x) *Cannabis sativa* (L.) from Lahaul-Spiti (Cold Desert Higher Altitude Himalayas)- A Neglected But Important Herb. **J. Biol. Chem. Chron. 2015, 2(1), 39-42.**
27. Nandita Thakur, **Vivek Sharma**, Kamal Kishore. Leaf Senescence: An Overview. **Ind. J. Plant Physiol. 2016, DOI 10.1007/s40502-016-0234-3. (Springer). (NAAS=5.18) (SJR=0.23) (UGC Approved)**
28. Nandita Thakur, Harcharan S. Dhaliwal, **Vivek Sharma**. Chemical Composition, Minerals and Vitamins Analysis of Lyophilized Wheatgrass Juice Powder. **International Journal on Emerging Technologies, 2019, 10(4):137-144. (UGC Approved & Scopus Indexed)**
29. Nandita Thakur, Harcharan S. Dhaliwal, **Vivek Sharma**. Qualitative and Quantitative RP-HPLC-PDA Method of Analysis of Polyphenols in Lyophilized Wheat Seedling Juice Powder. **International Journal on Emerging Technologies, 2019, 10(4):137-144. (UGC Approved & Scopus Indexed)**

Published Popular Articles: 12 (Twelve)

Launching an International Journal: An "International Journal on Medicinal and Aromatic Plants" will be launched very soon.

Books: Four (04) books published.

1.	"Cytomorphological Diversity of Some Important Medicinal Plants from North India"	ISBN:978-93-82398-86-8 R.P. Publications, New Delhi-110002
2.	"Himalayan Plants Health and Healing Culture in Folk Tradition: An Ethnobotany of Lahaul & Spiti (Himachal Pradesh)"	ISBN: 978-93-82398-87-5 R.P. Publications, New Delhi-110002
3.	"Wheatgrass: The Panacea on Earth"	ISBN: 978-93-82398-88-2 R.P. Publications, New Delhi-110002
4.	"Fundamentals of Environment and Conservation"	ISBN: 978-93-84081-93-5 Writer's Choice, New Delhi-110002

Papers Presented at Conference/Symposium:

International Exposure in Conferences:

1. **Oral presentation and represented North India in 3rd Global Summit on Medicinal and Aromatic Plants held at Chiang mai, Thailand on dated 19th to 23rd Nov. 2007**, on topic entitled, "Cytomorphological Study and HPTLC Densitometric Determination of Hyoscyamine and Scopolamine in Different Plant Parts of Three Morphotypes of *Datura metel* L. from North India.

National Exposure in Conferences:

1. Oral presentation in **Plants Cytogenetics: Recent Trends held at Punjabi Univ. Patiala, Punjab on dated 15th to 16th Feb. 2008** on topic entitled, "Detailed Analysis of Abnormal Microsporogenesis (Cytomixis, Laggards, Bridges) in Tetraploid (2n=48) Cytotype and HPTLC Densitometric Determination of Active Compounds in Different Plant Parts of Two Morphotypes of "Indian Ginseng" *Withania somnifera* (L.) from North India."
2. Oral presentation in **Plants Cytogenetics: Recent Trends held at Punjabi Univ. Patiala, Punjab on dated 15th to 16th Feb. 2008** on topic entitled, "Cytomorphological Study, Extraction and Determination of Essential Oil Components of Three Species of *Artemisia* from Higher Altitude Himalayas Using Hydrodistillation and Gas Chromatography-Mass Spectroscopy."
3. Oral presentation in **Plants Cytogenetics: Recent Trends held at Punjabi Univ. Patiala, Punjab on dated 15th to 16th Feb. 2008** on topic entitled, "Cytomorphological Studies and Chemical Characterization of some Important Anti-diabetic Medicinal Plants from North India."
4. Oral presentation in **Plants Cytogenetics: Recent Trends held at Punjabi Univ. Patiala, Punjab on dated 15th to 16th Feb. 2008** on topic entitled, "Cytomorphological Studies on Some Members of Monochlamydeae from North India."
5. Oral presentation for **Young Scientist Award in 12 Punjab Science Conference held at Punjab Agricultural University, Ludhiana, Punjab on dated 7th to 9th Feb.2009** on topic entitled, "Cytomorphological Studies on 27 Accessions of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India."

6. Oral presentation in **Botanical researches-Present Scenario held at Punjabi University Patiala, Punjab on dated 18th to 19th Feb. 2010.** On topic "HPLC-PDA method for quantification of Withaferin-A and Withanolide-A in Diploid and Tetraploid Cytotypes of *Withania somnifera* from North India."
7. Oral presentation and got **Best Paper Award** in **International Conference on Rejuvenating Ayurveda, "The Classical Vedic Skills of Healthcare for Global Health Challenges in 21st Century held at Eternal University Baru Sahib (H.P.) on dated 18-20th Dec. 2010** on topic entitled, "Anti-oxidant, Anti-microbial Activities and Quantification of Active Constituents by a New HPLC-PDA Method in Diploid (n=12) & Tetraploid (n=24) Cytotypes of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India."
8. Oral presentation in International Ayurveda Conference held at Rishikesh (India) on dated 15th to 16th Dec. 2012 on the topic entitled "**Ashwagandha**".
9. Oral presentation in National **symposium held at Department of Botany, Punjabi University Patiala, Punjab** during Feb. 2013.
10. Participation in **National Conference held at Akal College of Biotechnology, Eternal University Baru Sahib (H.P.)** on dated 9-11th July, 2014.
11. Participated as a **faculty co-ordinator as well as Stage Secretary in National Conference "Advanced in Food Science and Technology-2017"** on 24-25 March 2017 held at Eternal University, Baru Sahib, Sirmour (H.P.).
12. Participated as a member in **2nd International Conference** on Innovative Research in Engineering, Science and Technology (IREST-2017) held in Eternal University, Baru Sahib, H. P. on 07- 08 April, 2017.
13. **Dr. Vivek Sharma, (2017). Intellectual Property Rights & Challenges.** One Day Workshop on Intellectual Property Rights and Challenges (IPRIC-2017), Organized by IPR Cell, Eternal University Baru-Sahib in association with Himachal Pradesh Patent Information Centre (HP-PIC), State Council for Science, Technology and Environment (SCSTE), Shimla (H.P.). March-14, 2017.
14. **Dr. Vivek Sharma, (2017), attended the Faculty Development Programme on GST meeting/ workshop** at Eternal University Baru Sahib.
15. **Dr. Vivek Sharma, (2017), attended the meeting at Shimla regarding new concerns about NITI AAYOG INDIA.**
16. **Dr. Vivek Sharma, (21st June, 2016 & 2017) attended and participated as stage secretary in International Yoga Day** celebrated by Eternal University Baru Sahib.
17. **Dr. Vivek Sharma, (2018) participated and presented a paper in 9th Indian Youth Science Congress** organized by Career Point University Hamirpur (H.P.) India. April-07-09, 2018.
18. Oral presentation in National Conference On 'Plant and Microbial Research: Present Scenario' held at Department of Botany, Punjabi Univ. Patiala, Punjab on dated 18th to 19th Feb. 2019 on topic entitled, "A New RP-HPLC-PDA Method for Simultaneous Determination of Catharanthine, Vincristine sulphate, Vinblastine sulphate and Vinorelbine ditartrate in Various Parts of Two Morphotypes (Rosea and Alba) of *Catharanthus roseus* from Northern India.

19. Oral presentation in National Conference Department of Botany & Environmental Sciences and Department of Agriculture of Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab, "Recent Advances in Plant and Agricultural Sciences" on March 15-16, 2019, "Wheatgrass-The Panacea on Earth"
20. Organising member and delivered oral presentation in National Conference on "Healthcare in India: Need for Paradigm Shift" on August 31st-September, 01st 2019 at Eternal University, Baru Sahib, India.
21. Organising secretary, "National Science Day" on dated 28th Feb., 2020 at Eternal University, Baru Sahib, India.
22. **Dr. Vivek Sharma** attended online webinar on "New Opportunities in Medicinal Plants Sector for Farmers and Entrepreneurs" on 24th May, 2020, organized by Department of Life Sciences Mansarovar Global University.
23. **Dr. Vivek Sharma** has completed online training on "Food Hygiene and Food Safety Guidelines for Food Businesses during COVID 19 Pandemic" on dated 10th July, 2020, conducted jointly by Confederation of Indian Industry and Eternal University, Baru Sahib.
24. **Dr. Vivek Sharma** hosting a National Webinar on "Awareness about Cancer among Females (The Second Largest Killer in the World.)" on dated 19th July, 2020 at Eternal University, Baru Sahib, India.

Research Funding Received (Internal or External Agencies):

Sr. No.	Title of project	Research Team	Duration	Funding agency & budget in Lakh	Progress made, if any	Date/Year of Sanction
1.	A pilot plant development at Department of Botany, Eternal University Baru Sahib by Jivo Wellness Pvt. Ltd. for Wheatgrass Juice Powder Project.	Dr. Vivek Sharma (PI) & Dr. H.S. Dhaliwal (Co-PI)	For 3.0 Years	Jivo Wellness Pvt. Ltd. (Inhouse) & Approx. 1.20 Crores	Completed	2014-2017
2.	Molecular breeding for improvement of protein quality in local maize cultivars of Himachal Pradesh	Dr. Rahul Kumar (PI) & Dr. Vivek Sharma (Co-PI)		Inhouse Project & 6.48 Lakhs	Completed	2015-2018
3.	Cyto-morphological, Phytochemical, Molecular Characterization And Formulation	Dr. Vivek Sharma (PI) &	3.0 Years	NMPB, Ministry AYUSH, Gol.	Ongoing	2020-onwards

of New Herbal Product From Selected Species of Genus <i>Berberis</i> (L.) From Himachal Pradesh	Dr. H. S. Dhaliwal (Co-PI)		&	25.45 Lakhs		
*(F.No.Z.18017/1 87/CSS/R&D/HP-02/2019-20-NMPB-IV A)						

Products (Herbal, Nutraceutical etc.) Prepared & Launched in Indian Market:

- ❖ Wheatgrass Juice based world's first carbonated drink has been launched under the logo of Jivo Wellness Pvt. Ltd. (2017-2018).
- ❖ Anti-cancerous wheatgrass juice powder based herbal capsules have been formulated and launched under the logo of Jivo Wellness Pvt. Ltd. (2017-2018).

Co-curricular Activities:

1. District winner and participated in state school badminton championship (1998).
2. As a captain participated in inter-college badminton championship for three years (1999-2002).
3. Got 1st. position in badminton championship on International Bharat Mahotsava (2002) organized by national award winner Friends Club Rey (H.P), India.
4. 1st Prize winner in debate and declamation contest in International Himalayan Cultural Festival (2002), Himachal Pradesh, India.
5. Participated in Kaun Icon Contest (2006) organized by Jain Television at Ludhiana (Pb.), India.
6. Got many state level prizes and certificates in debates, declamations, anchoring and also in games.
7. Acting as a group leader (President) of a govt. registered youth club NGO (Vishav Darshan Yuva Club- Samkar), participated in many social activities.

Personal Information:

Father's Name : Late Sh. Suresh Chand (Retd. Teacher)
 Mother's Name : Late Smt. Kusum Lata
 Date of Birth : 03rd July, 1981.
 Permanent address : H. No. 18/1, Vill. Samkar, P.O. Dhameta, Teh. Fatehpur, Distt. Kangra-176025 Himachal Pradesh, India.
 Gender : Male
 Marital status : Married
 Read/Write : English, Hindi, Punjabi
 Speak : English, Hindi, Punjabi, Pahari

Declaration: I declare that the information in this document is true and accurate.

Place: Baru Sahib, Himachal Pradesh.

faithfully yours,



Date: 25th Aug., 2020.

(Dr. Vivek Sharma)

References:

1. **Dr. R.C Gupta**
Senior Professor & Former Head
Department of Botany
Punjabi University Patiala-147002
Punjab (INDIA)
+91-94174-91981 (M)
E-mail: guptarc53@rediffmail.com
2. **Dr. Bikram Singh**
(Scientist Emeritus)
Chief Scientist & Former Head
Natural Plant Product Division
IHBT (CSIR) Palampur
Himachal Pradesh (INDIA)
+91-98055-31005 (M)
E-mail: bikram_npp@rediffmail.com
3. **Dr. H. S. Dhaliwal**
(Scientist Emeritus)
Senior Professor & Vice Chancellor
Eternal University
Baru Sahib, District Sirmour
Himachal Pradesh-173101 (INDIA)
+91-98050-98702 (M)
E-mail: hsdhaliwal07@gmail.com
4. **Dr. N. Raaman**
Former Director & Senior Professor
Centre for Advanced Studies in Botany
Life Science Building
University of Madras
Guindy Campus
Chennai-600025 (INDIA)
+91-98405-88658 (M)
E-mail: raaman55@gmail.com
5. **Dr. N.S. Atri**
Senior Professor & Former Head
Department of Botany
Punjabi University Patiala-147002
Punjab (INDIA)
+91-94178-10754 (M)
E-mail: narinderatri@gmail.com