

# Vivek Dogra

Senior Research Fellow (CSIR)  
Biotechnology Division  
Institute of Himalayan Bioresource Technology (CSIR).  
Palampur (H. P) - 176 061 INDIA  
District- Kangra (Himachal Pradesh) 176061  
☎ Telephone # (Home): +91-1894233469, (mobile): +91-9816349450  
Email: [vivekmlbio@gmail.com](mailto:vivekmlbio@gmail.com)



## I. Research Interests:

As a kid when I started learning about science, I always got fascinated by life and living organisms. Now being a student of Science especially Plant Sciences, I always get excited thinking and knowing about response of plants towards the environment. I am interested in deducing the signaling and biochemical communication in the living cell in response to environmental challenges (biotic or abiotic). I am learning various ‘-omics’ tools in combination with computational and systems biology approach to achieve my goal and to learn more and more about life and living organisms.

## II. Academic Background:

- ❖ *Ph.D thesis “Identification and Characterization of Germination Specific Proteins in *Podophyllum hexandrum* Royle”* working under the esteemed guidance of Dr. Yelam Sreenivasulu at the Institute of Himalayan Bioresource Technology (CSIR), Palampur, H.P. INDIA and registered at Deptt. of Biotechnology GNDU, Amritsar. INDIA (**Pursuing**).
- ❖ *Masters of Science in Molecular Biology & Biochemistry*, in 2006 with 65.2% from Guru Nanak Dev University, Amritsar, Punjab, India and obtained **Gold medal** for securing 1<sup>st</sup> position.
- ❖ *Bachelors in Science (with Botany, Chemistry and Zoology)* in 2004 with 64.4% from GGSDS college Rajpur (Palampur), affiliated to Himachal Pradesh university, Shimla, H.P. INDIA
- ❖ *12<sup>th</sup> Class (with Biology, Mathematics, Physics, Chemistry & English)* in 2001 with 52% from Kendriya Vidyalaya Palampur, affiliated with CBSE, INDIA
- ❖ *10<sup>th</sup> Class (with Mathematics, Science, Social studies, Hindi & English)* in 1999 with 70% from Kendriya Vidyalaya Palampur, affiliated with CBSE, INDIA

## III. Research Experience:

- ❖ As *PhD Student* at the *Institute of Himalayan Bioresource Technology, Palampur, H.P. INDIA* from Oct’ 2007 to till date, involved in the identification and characterization of germination related problems in a High altitude plant.
- ❖ As *Research Biologist* at the *DDRC Panacea Biotec Ltd. Mohali, Punjab, INDIA* from July’ 2006 to Oct’2007, I was involved in the development of screening assays for preclinical *in-vitro* screening of new chemical entities (NCEs) synthesized for the treatment of Diabetes, Depression and Infectious diseases etc.

#### IV. Professional Experience:

- **April'12 to till date**  
Working as **Senior Research Fellow (CSIR) & PhD Student** in IHBT (CSIR lab) Palampur
- **Oct'07 to March'12**  
Working as **Project assistant level II (JRF-LS) & PhD Student** in IHBT (CSIR lab) Palampur.
- **July'06 to Oct'07**  
Worked as '**Research Biologist**' and '**Radiological Safety Officer**' (level 1) in Drug Discovery Research centre, Panacea Biotech limited, Mohali (Punjab) for 15months.

#### V. Conferences And Workshops Attended :

- Attended National symposium on biotechnology and plant tissue culture in IHBT (CSIR) organized by PTCA held on April 3-4<sup>th</sup> '09.
- Attended National symposium on 'New Biology in Agriculture' held in Punjab University Chandigarh, INDIA on Nov 07-08<sup>th</sup> '08.
- Attended International conference **HGM-2008** organized by HUGO at Hyderabad, INDIA from Sept 27-30<sup>th</sup>'08.
- Attended international symposium and XXXI Annual Conference of **Indian society of Human Genetics (ISHG)** Held in JNU in 2006.
- Attended workshop on **Creativity and Innovation, Goal Setting.**

#### VI. Publications:

##### ORAL PRESENTATIONS

- Yelam Sreenivasulu, **Vivek Dogra**, Sanjoy Chanda and Paramvir Singh Ahuja, (2009). **Molecular characterization of seed dormancy in *Podophyllum hexandrum* Royle - An important medicinal herb.** Presented by Dr. Yelam Sreenivasulu in the IV<sup>th</sup> International plant dormancy symposium at Fargo, North Dakota, USA. From June 8-11, 2009.

##### POSTERS

- **Vivek Dogra\***, Sanjoy kumar Chanda, Yelam Sreenivasulu and P S Ahuja. **Molecular dissection of seed dormancy/ germination in *Podophyllum hexandrum* Royle – an important medicinal herb** in National symposium on 'New Biology in Agriculture' held in Punjab University Chandigarh, INDIA on Nov 07-08<sup>th</sup> '08.
- **Vivek Dogra**, Sanjoy kumar Chanda, Yelam Sreenivasulu\* and P S Ahuja. **Proteomic analysis of germination specific proteins in *Podophyllum hexandrum* Royle – an important medicinal herb** in National symposium in IHBT (CSIR) organized by PTCA held on April 3-4<sup>th</sup> '09.

##### RESEARCH ARTICLES

- Tejpal Gill, **Vivek Dogra**, Yelam Sreenivasulu\*, Sanjay Kumar and Paramvir Singh Ahuja (2011). Protein dynamics in Arabidopsis seeds over expressing Potentilla superoxide dismutase during germination under copper stress. *Journal of Plant Research*, 125(1) :165–172 (DOI: 10.1007/s10265-011-0421-2)

- **Vivek Dogra**, Sanjoy Kumar Chanda, Yelam Sreenivasulu\* and Paramvir Singh Ahuja (2011). **Dissection of seed germination in high altitude plant *Podophyllum hexandrum* Royle – Proteomic approach.** (Under revision in *Journal of Proteome Research*)

## VII. Honors And Accomplishments:

- Honored by **Gold Medal** in Post graduation.
- Qualified **CSIR UGC NET LS** in **Life sciences** twice in June 2006 and Dec 2008.
- Qualified **Radiological Safety Officer (level 1)** exam at AERB, BARC, INDIA in April 2007.
- Qualified and awarded **SRF (Senior Research Fellowship)** by CSIR (GOI) INDIA in Jan 2012.

## VIII. Memberships of Societies:

- Member of International Plant Proteomics Organization (**INPPO**) [www.inppo.com](http://www.inppo.com)
- Member of Asia-Pacific Chemical, Biological & Environmental Engineering Society (**APCBEES**) (member no **200340**) [www.cbees.org](http://www.cbees.org)

## IX. Personal Information:

Date of Birth : December 30, 1983  
 Nationality : Indian  
 Marital Status : Single  
 Languages Known : English, Hindi, Punjabi, Pahari  
 Gender : Male

## X. REFERENCES:

- **Dr P S Ahuja**, PhD  
 Director,  
 Institute of Himalayan Bioresource Technology (CSIR),  
 Palampur, HP INDIA  
 Email: [psahuja@ihbt.res.in](mailto:psahuja@ihbt.res.in)
- **Dr Y Sreenivasulu**, PhD  
 Scientist,  
 Institute of Himalayan Bioresource Technology (CSIR),  
 Palampur, HP INDIA  
 Email: [sreenivasulu@ihbt.res.in](mailto:sreenivasulu@ihbt.res.in)
- **Dr P K Sehajpal**, PhD  
 Professor,  
 Department of Molecular Biology & Biochemistry,  
 Guru Nanak Dev University  
 Amritsar, Punjab, INDIA  
 Email: [sehajpalpk@yahoo.com](mailto:sehajpalpk@yahoo.com)