

## EXTENSION

### A. Extension projects

Title of the Project	PI	Funding Source	Budget (Lakhs)	Year of Start and Duration	
Inspire Camp	INTERNSHIP	Dr. S.S. Kanwar	DST. Govt. of India New Delhi	9.75	2011(Five days) 18 <sup>th</sup> to 22 <sup>nd</sup> October

### B. Extension Highlights

1. Dr. G.L.Bansal organized 24 training camps in which 815 farmers from 36 villages participated and 150 vermitechnology units were established in their farms and culture packets distributed under DBT Project **Vermitechnology based Tribal Women Empowerment in Himachal Pradesh**.
2. Dr. Ramesh C Chauhan organized 4 technical and awareness trainings target areas under Biodiversity Project.
3. Off campus trainings were organized by Dr. Virendra Singh under the NAIP project on **A value chain on Seabuckthorn**, in which 200 farmers participated. Interaction meetings with the farmers / farm women and other stake holders regarding awareness creation / popularization of Seabuckthorn cultivation in Lahaul were organized
4. Dr. S.S. Kanwar Coordinated Regional Level Expert Committee meeting for INSPIRE Fellows of different institutions of the country in the discipline of Chemistry, Physics, Mathematics, etc. organized by the Department of Microbiology at CSK HPKV, Palampur funded by DST. Govt. of India New Delhi on 18<sup>th</sup> June,2012 with a budget of Rs2.87 Lakhs
5. CGRT organized as Local Coordinator The Two days Awareness Programme workshop for junior Engineer and Masons on Earthquake Resistant Structures in HP sponsored by State council for Science Technology & Environment BUSDA complex kasumpti Shimla -9 w.e.f. 28-29 July 2011 at Directorate of Extension Education CSKHPKV , Palampur ( Vide letter no SCSTE RSC DISASTER Management /VI1239 dated 24-6-2011 )
6. CGRT organized three day Training on Establishment of GIS & MISS and Monitoring system for JICA officers w.e.f 12-14 December, 2011 Under HPCDP-JICA ODA, project.
7. CGRT organized three day Training on SPATIAL DATABASE PREPARATION FOR ESTABLISHMENT of GIS & MIS and MONITORING SYSTEM in CGRT, CSKHPKV, Palampur w.e.f 28-30 December, 2011 Under HPCDP-JICA ODA,project.
8. Staff of CGRT attended an awareness meeting convened by Sh R.S.Gupta, Deputy Commissioner of District Kangra for the release of Thematic Map at village level for district Kangra on 28th April 2012 at Dharmshala. The revised Map of District Kangra was released during this meeting.
9. CGRT organized a 21 days national level summer training “Geospatial Technologies and Applications” which started on 25-6-2012. The training was sponsored by DST-NRDMS, New Delhi.

**C. Lectures delivered by the faculty members**

1. Dr. Anita Singh delivered a lecture to Agriculture Officers in a training course on “Cultivation of Medicinal and Aromatic Plants” organized by Directorate of Extension Education on 31st May 2012.
2. Dr. S.S. Kanwar delivered a lecture in INSPIRE Internship camp organized by the Dept. of Microbiology, CSKHPKV, Palampur from 18<sup>th</sup> Dec.2011 to 22<sup>th</sup> Dec.2011
3. Dr. S.S. Kanwar delivered a lecture in INSPIRE Internship camp organized by the College of Basic Sciences and Humanities, Punjab Agricultural University, Ludhiana from 20<sup>th</sup> Dec.2011 to 24<sup>th</sup> Dec.2011
4. Dr. S.S. Kanwar delivered lectures in Staff training course organized by BDTC for officials of Agricultural dept. H.P.Govt. at CSKHPKV, Palampur from 8<sup>th</sup> Feb, 2012 to 10<sup>th</sup> Feb, 2012 and from 15<sup>th</sup> Feb, 2012 to 17<sup>th</sup> Feb, 2012.
5. Dr. S.S. Kanwar delivered a lecture in Biogas Turnkey Workers Training Course organized by BDTC at CSKHPKV, Palampur from 12<sup>th</sup> March, 2012 to 26<sup>th</sup> March, 2012
6. Dr. M.K. Gupta delivered a lecture in Training for Agril. Officers/ Officials of the Department of Agriculture (H.P.) on Biofertilizer, efficient use and applications in the context of agriculture field from 5<sup>th</sup> Sept, 2011 to 7<sup>th</sup> Sept, 2011
7. Dr. M.K. Gupta delivered a lecture in Training for Agril. Officers/ Officials of the Department of Agriculture (H.P.) on Biofertilizer, efficient use and applications in the context of agriculture field 15<sup>th</sup> Sept., 2011 to 17<sup>th</sup> Sept., 2011
8. Dr. M.K. Gupta delivered a lecture in INSPIRE Internship camp organized by the Dept. of Microbiology, CSKHPKV, Palampur from 18<sup>th</sup> Dec.2011 to 22<sup>th</sup> Dec.2011
9. Dr. M.K. Gupta delivered a lecture in Training for master trainers’, agricultural officers and field functionaries organized by Dept. of Organic Agriculture, COA, CSKHPKV, Palampur from 20<sup>th</sup> Feb.2012 to 22<sup>nd</sup> Feb.2012
10. Dr. (Mrs.) Sharda Singh delivered Invited Lecture “Change Detection using Remote Sensing--” at Indian Agricultural Statistical Research Institute (IASRI), New Delhi
11. Dr. Ranbir Singh Rana delivered an invited key lecture on “Climate trends analysis and management strategies to climate change” for trainee officer of Department of Agriculture and animal husbandry GPHP on 18.4.2012 at Sate Agricultural Management Extension Training Institute (SAMETI) Shimla.9 (23 officers participants)
12. Dr. Ranbir Singh Rana delivered an invited key lecture on “Weather based agro advisory services” for trainee officer of Department of Agriculture and animal husbandry GPHP on 18.4.2012 at Sate Agricultural Management Extension Training Institute (SAMETI) Shimla. (23 officers participants)
13. Dr. Ranbir Singh Rana delivered invited key lectures on “Climate resilient agricultural practices and cropping system” and on “Carbon Markets and clean development mechanism” for trainee officer of Department of Agriculture and animal husbandry GPHP on 19.4.2012 at Sate Agricultural Management Extension Training Institute (SAMETI) Shimla(23 officers participants).
14. Dr. Anita Singh delivered a lecture and conducted visit to Herbal Garden for a group of 18 Agriculture Officers of District Una on 3rd September 2011.

Extension Activities Information as per the COBS Annual Report 2011-12

15. Dr. Anita Singh delivered a lecture and conducted visit of Herbal Garden for a group of 18 farmers on 1st October 2011 and for a group of 36 farmers of District Bharmaur on 6th February 2012.
16. Sh. Kapil Sharma delivered a lecture as Resource Person in three days training on "Spatial database Preparation for Establishment of GIS & MIS and Monitoring System" HPCDP-JICA ODA, project, organized from 28-Dec-2011 to 30-12-2011.

**D. Extension publications**

1. Bansal GL, Bhatia, NS and Rana SS (2011) Jaivik Kachra se Mahatavpoorn Kenchua Khad-An 18 page brouchure in Hindi.
2. Kanwar SS, Walia S and Keshani (2012) Dot-ELISA technique in food related pathogens. Food Marketing and Technology 3(4) 34-35
3. Natasha, Gupta MK and Kanwar SS (2011) Javik kheti mein gaye ke seengo dwara banne wali khaad ka mahatv. Kheti Duniya (Patiala) 15/10/2011 PP-6.
4. Vijay Rana , Ranbir Rana , Ajay Srivastava and Navell Chander “ Himachal Pradesh main jalvayu paribatan ka ghuin avam jaon ki fsalon par jalvayu paribatan ke suchak, prabhav avam niyantran ke sujabh”.2012 gehun avam jaon shvarnima Vol-2011 (Special issue Jalvayu paribatan, Directorate of Wheat research Karnal.
5. Ranbir Sing Rana, ManMohan Singh , Rohit Sharma, Ruchi and Rajendra Prasad, (Madham Avadhi mousam poorvanuman ke krishi man upyog: Parvitya Kheti Bari October to December , 2011 Issue.