

Researcher Details

Investigator/Group/Project Name	Santokh Singh
Faculty	Science Botany
Building Name	Bioscience Building
Address	#3008-6270 University Boulevard
Website/URL	http://www.botany.ubc.ca/people/santokh.html
Building Room Number	Bioscience Bldg.# 3008 (office), 3012 (lab)
Research Interests	<p>My lab is involved in research in the areas of Plant Physiology, Plant Biochemistry and Sustainability. At present, our main focus is on the following research projects:</p> <p>Plant Physiology and biochemistry:</p> <ol style="list-style-type: none">1. Hormonal regulation of cell growth and development in vascular and non-vascular plants.2. Effects of water stress, nutrient stress, salt stress on physiological processes, e.g. photosynthesis, respiration, transpiration in plants.3. Role of plant hormones in increasing the longevity of cut flowers of chrysanthemum and lilies.4. Involvement of plant hormones in plant cell and tissue culture.5. Regulation of the expression of proteins involved in stress regulation, photosynthesis and respiration in plants.6. Effect of heavy metals (Cadmium, Aluminum and Nickel) on plant growth, development and protein expression in plants. <p>Sustainability:</p> <ol style="list-style-type: none">1. Carbon sequestration by leaves of trees growing in the UBC.2. Sustainable weed control methods for eliminating weeds and invasive plant species growing in UBC.
Requirements	3rd/4th year only; should have some lab experience in Plant or Cell Physiology, Environmental Biology and Molecular Biology.
Total Number of Student Research Opportunities	3
Average Length of Appointment	1 or 2 academic terms (3 or 6 credits)
Appointment Start Date	May 1, 2012
Appointment End Date	August 31, 2012

Contact Information

Title	Dr.
First Name	Santokh

Last Name	Singh
Position (i.e. Principal Investigator, Graduate Student)	Principal Investigator
Organization	Department Botany, Faculty of Science, UBC
Email	santokh.singh AT botany DOT ubc DOT ca
Phone Number	(604) 822-3330

Assignment Information (this is specific information if you know how many and what types of assignments are available)

Title	Directed Studies in Biology (BIOL 448)
Description	Effect of heavy metals (Cadmium, Aluminum and Nickel) and salinity on plant growth, development and protein expression.

Number of Positions	1
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Title	Directed Studies
Description	Carbon sequestration by leaves of trees growing in the UBC.

Number of Positions	1
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Title	Directed Studies
Description	Sustainable weed control methods for eliminating weeds and invasive plant species growing in UBC.

Number of Positions	1
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