

The Venue

H.N.B. Garhwal University Campus, Badshahi Thaul is situated on the way between Chamba and New Tehri at a distance of 3 km from Chamba, one of the brightest spot of district Tehri Garhwal, at an elevation of 1676 m from sea level. This town, situated on Delhi-Gangotri national highway, offers one of the most spectacular view of snow capped Himalaya and enriching Bhagirathi Valley. The University campus is situated at an elevation of 1750 m on a ridge facing to the east, surrounded by dense oak and pine tree forest. It is at a distance of 8 km from New Tehri, a newly established master-planned township at an elevation of 1900 m and district headquarter of Tehri Garhwal. The famous tehri dam along with a huge lake between mountains, situated at a distance of 20 km from university campus, is a recent addition to the tourist attractions in the area.



Nearest Airport (Linked to Delhi) is Jollygrant (Dehradun) at a distance of 80 km from university campus. Rishikesh is the nearest railway station at a distance of 65 km. However, Haridwar is more convenient (distance 90 km) as it is well connected to all major cities of India by rail.

The university campus, Badshahi Thaul is well connected by road to all important stations of Garhwal Division like Haridwar, Rishikesh, Dehradun, Mussoorie, Uttarkashi and other parts of the region. Frequent bus services as well as private taxis and jeeps are available from these places to Chamba and New Tehri. It takes about 3 hours to reach Badshahithaul by bus from Haridwar and Dehradun, and about 2 hours from Rishikesh.

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First National Conference

on

Radiation Awareness and Detection in Natural Environment

(RADNET-I)

June 15-17, 2015



Organized By



DEPARTMENTS OF PHYSICS AND CHEMISTRY

HNB GARHWAL UNIVERSITY
BADSHAHI THAUL CAMPUS
TEHRI GARHWAL

&

GOVT. P.G. COLLEGE, NEW TEHRI
TEHRI GARHWAL

To,

Dr. Kuldeep Singh

Organizing Secretary
(RADNET-I)

Department of Physics
Govt. P.G. College, New Tehri
Tehri Garhwal – 249001
Uttarakhand

Introduction

Naturally occurring radioactive materials are found throughout the nature and emit ionizing radiation continuously. These materials are common in the environment and in the human body. Detectable amount occurs naturally in soil, rocks, water, air and vegetation, from which it enters in the body by inhalation. Ionizing radiation from outer space (cosmic radiation) bombards the earth constantly. Collectively, the ionizing radiation from these sources is known as “**Background Radiation**”. Human activities, such as making medical X-rays, generating nuclear power, and producing smoke detectors, which contain radioactive materials, cause additional exposure to ionizing radiation.

About 82 percent of the average annual radiation exposure is from nature, and 18 percent is from industrial, medical, and consumer sources. Radioactivity in nature comes from two main sources, terrestrial and cosmic. Terrestrial radioisotopes are found on the earth that came into existence with the creation of the planet. Radon and its progeny contribute more than 50% of the total radiation dose to the human population due to inhalation. Radon is a radioactive gas that emanates from rocks and soils and tends to concentrate in enclosed spaces like underground mines or houses. Soil gas infiltration is recognized as the most important source of residential radon. Other sources, including building materials and drinking water, are also important in some circumstances. Radon is a major contributor to the ionizing radiation dose received by the general population.

The aim of the conference is to bring together the researchers of the country to identify important and challenging problems and issues in the area of natural radioactivity and work together to discover feasible solutions for the problems associated with the field. The conference will cover all the key topics of natural radioactivity with special focus on the awareness, detection and effects of the presence of radiation in the human environment.

Submission of abstracts

The abstract limited to 300 words, should be typed with 1.5 line spacing on A4 size paper with font size 12 in **Times New Roman** giving 2.5 cm margin on all sides. The abstract should reach **the Organizing Secretary, RADNET-I** at his email address: radnet1517@gmail.com latest by **March 30, 2015**. The information regarding publication of proceeding will be sent separately.

Acceptance will be sent by April 20, 2015.

Registration Fee

Faculty Member	Rs. 1500/-
Research Fellows	Rs. 1000/-
Accompanying Person	Rs. 1000/-

Registration Fee should be paid by DD drawn in favour of “**RADNET**” payable at Tehri Garhwal latest by **May 30, 2015**.

Participants can also send Registration fee by bank transfer. Bank details are as follows:

Account name: **RADNET**

Address: **Dept of Physics, Govt. P.G. College, New Tehri, Tehri Garhwal, Uttarakhand - 249001**

Name and Address of bank: **Union Bank of India, New Tehri, Tehri Garhwal, Uttarakhand -249001**

Branch- **New Tehri - 249001, India**

Account Number: **402002010514360**

IFSC Code: **UBIN0540200**

Please send the proof of money transfer by e-mail and show it at the registration counter.

Weather

The weather at New Tehri in June is very pleasant with temperature ranging between 20 °C to 25 °C.

Financial Assistance

Financial assistance will be provided to limited number of participants (students and young faculty members) depending upon the availability of funds, whereas the registration fee will not be waived off. The request for financial assistance should be made separately to the Organizing Secretary, RADNET-I by April 30, 2015.

Accommodation

Guest House/Hostel accommodation may be provided to a limited number of delegates, subject to the availability. For other delegates, accommodation will be arranged in nearby hotels on chargeable basis. Room charges in the hotels vary from Rs. 1,000/- to Rs. 5,000/- per day. Those desiring to avail this facility should clearly indicate the same in the registration form.

Correspondence

Dr. Kuldeep Singh

Organizing Secretary

(RADNET-I)

Department of Physics

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E-Mail: radnet1517@gmail.com

Web Page: www.hnbggu.ac.in,

www.gpgcnewtehri.com

Dates to Remember

Submission of Abstract **March 30, 2015**

Acceptance of Abstract **April 20, 2015**

Registration form/

Accommodation Request **April 25, 2015**

Payment of Registration Fee **May 30, 2015**

Submission of Full Paper **June 15, 2015**

Registration Form

First National Conference

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**Radiation Awareness and
Detection in Natural
Environment**

(RADNET-I)

June 15-17, 2015

Name:.....

Designation:.....

Institute:.....

Mailing Address:.....

Email ID:.....

Phone No.....

Attend the Conference..... Yes/No

Presenting a Paper..... Yes/No

Title of Paper_____

Accommodation Required:.... Yes/No

If yes, please tick appropriate box
(Double bed occupancy (Non-AC))

₹ 1,000	<input type="checkbox"/>	₹ 2,500	<input type="checkbox"/>	₹ 5,000	<input type="checkbox"/>
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No. of accompanying person(s).....

Place & Date

Signature