



First International Conference

On

Radiation Awareness and Detection in
Natural Environment

March 2-4, 2023

Jointly Organized by

Dolphin (PG) Institute of Biomedical and Natural Sciences, Dehradun

&

Govt. Degree College Dehradun City, Dehradun

In Association with

Department of Physics, HNB Garhwal University

&

National Radon Network Society (RADNET)



About the Conference

The National Radon Network Society will organize its fourth biannual conference (RADNET-IV), which will be the “First International Conference on “Radiation Awareness and Detection in Natural Environment” at Dolphin (PG) Institute of Biomedical and Natural Sciences, Dehradun, Uttarakahnd, India during March 2-4, 2023. This conference will be organized jointly by Dolphin (PG) Institute of Biomedical and Natural Sciences, Dehradun, Uttarakahnd and Govt. Degree College Dehradun City, Dehradun in association with Department of Physics, HNB Garhwal University and National Radon Network Society (RADNET). The first three RADNET conferences were organized at HNB Garhwal University, SRT Campus, Tehri Garhwal in June-2015, Gurukula Kangri Vishwavidyalaya, Haridwar in September-2017 and Govt. P.G. College New Tehri in March-2021.

The conference will consist of an inaugural session, keynote lecture, invited talks, oral and poster sessions of contributory papers and a panel discussion. The eminent scientists, academicians and researchers from all across the globe are expected to attend this international conference.

Theme of the Conference

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 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 from across the world 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. The thematic areas to be covered at the conference are given below.



- Novel Radiation Protection Philosophy and Concepts
- Environmental Radioactivity
- Risk Assessment due to Ionizing Radiation Exposure
- Environmental Monitoring and Dose Assessment
- Environmental Modeling and Radiation Protection
- NORMs and TENORMs
- High Natural Background Radiation Areas
- Risk Estimations due to Low Level Environmental Radioactivity
- Radon, Thoron and Progeny Measurements
- Applications of Radioisotopes
- Nuclear and Radioanalytical Techniques
- Radiochemistry
- Nuclear Instrumentation
- Other related areas

About the Conference Venue

The Dolphin (PG) Institute of Biomedical and Natural Sciences (DIBNS), campus is located in the lush and verdant environs of Dehradun. DIBNS about 15 kms. from the Inter State Bus Terminal (ISBT) and Dehradun Railway station. Dolphin (PG) Institute is spread over 7 acres of pure lush green campus on the outskirts of Dehra Dun and surrounded by a thick forest. The Institute is affiliated to H.N.B. Garhwal Central University, Srinagar, Uttarakhand and is accredited by UGC – NAAC with grading B++ (2nd cycle, 2022). It is also approved and recognized by the State Govt. of Uttarakhand. The Institute is approved by Indian Association of Physiotherapists (IAP) Mumbai, and National Council for Teachers Education (NCTE), Jaipur. Dolphin Institute offers a large number of job/career oriented UGC approved courses in the field of Physiotherapy, Physics, Medical Lab Technology, Microbiology, Medical Microbiology, Botany, Zoology, Agriculture, Biotechnology, Industrial Biotechnology, Biochemistry, Pharmaceutical Chemistry, Chemistry, Forestry and Education. The Institute is committed for providing quality education to the young students and to develop them as professionals in biomedical and natural sciences. The Workshop will be held at Conference Hall of the institute.

Weather

The weather in Dehradun in March is very pleasant with temperature varying between 13 °C to 28°C.



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Gusain, Gurupad, GPGC, New Tehri	Co-Convener
Raturi, Aasheesh, Dolphin PG Institute, Dehradun-	Organizing Secretary

Last date of abstract submission	:	30th November, 2022
Intimation of acceptance of abstract	:	16th January, 2023
Last date Registration	:	31st January, 2023
Full Paper Submission*	:	31st March, 2023

Registration

Registration is mandatory for attending the conference and presenting a paper. All the participants are required to register online. The details of registration fee are given below.

Type of Registration	:	Registration Fee
RADNET Members	:	INR. 1500/-
Participants other than RADNET Members	:	INR. 2500/-
Student Participant (India)	:	INR. 1000/-
Accompanying Person	:	INR. 1000/-
Foreign delegate	:	\$ 100/-



Registration: Participants can register using following link.

<https://forms.gle/U2pMZbZJoTgdPRhB6>

Abstract Submission: The abstract limited to 300 words should be submitted online latest by November 30, 2022. Kindly submit your abstract through the following link

<https://forms.gle/Qba8wJxopnuPoTZ89>

****Some of the full papers based on the original work presented at the conference will be published in Journal of Radioanalytical and Nuclear Chemistry (Springer) after review processes.***

Payment of Registration Fee

Participants can send registration fee by bank transfer only. Bank details are as follows:

Account name: M/S National Radon Network Society

Address: SRT Campus, HNBGU, Badshahi Thaul, 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: 402002010514513

IFSC Code: UBIN0540200

SWIFT CODE: Dehradun Branch (30680) UBININBBDER

Registration Fee should be paid through Online mode (NEFT/RTGS) only latest by January 30, 2023. Please upload the proof of money transfer/ bank receipt through registration link and show it at the registration counter.

Awards for Young Scientists

The best presentation award will be given to young researchers (age below 35 years) as a token of appreciation by the National Radon Network Society.

Financial Assistance

Financial assistance may be provided to limited number of participants (students/research scholars only) 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 of the conference by January 31, 2023.



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

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Convener

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