

SCHEDULE



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5th National Conference on —

Radiation Awareness & Detection in Natural Environment (RADNET-V)

October 07 — 09, 2024



ORGANIZED BY —

Department of Physics, GEU

in association with **National Radon Network Society (RADNET)**

DAY 1

October 07, 2024 (Monday)



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	Timings	Session	Experts	Affiliation
	8:00 am -9:00 am	Registration		
	9:00 am-11:00 am	Inauguration Session Welcome by Organizing Secretary, RADNET-V Introductory Remarks by Conference Chair, Prof. (Dr.) Narpinder Singh , Vice Chancellor, GEU Address by Guest of Honour About the Conference Prof. (Dr.) R.C. Ramola , President RADNET Inaugural Address by Chief Guest, Dr. D.K. Aswal Director, Health Safety & Environment Group, BARC, Mumbai, India Address by Pro-Chancellor Prof. R.K. Sharma Vote of Thanks Dr. Sanjeev Kimothi , Convener, RADNET-V		
	11:00 am-11:30 am	HIGH TEA		
		Technical Session 1: Chairperson – Prof. R.C. Ramola, Co-Chairperson- Dr. Pargin Bangotra		
IT-01	11:30 am-12:00 pm	Utilization of the measured activity concentration data beyond the dose assessments	Prof. Tibor Kovacs	Pannonia Univ Hungary
IT-02	12:00 pm-12:30 pm	Radon Progeny: Behaviour and Influencing Factors	Dr. Rosaline Mishra	BARC, Mumbai
	12:30 pm-1:30 pm	Oral Presentations	01 to 06	
	1:30 pm -2:30 pm	LUNCH		
		Technical Session 2: Chairperson – Prof. B.S. Bajwa, Co-Chairperson- Dr. Manish Joshi		
IT-03	2:30 pm- 3:00 pm	Determination of natural radiation level is important to quantify nuclear accidents' effects: examples from the Fukushima Daiichi Nuclear Power Plant accident	Dr. Y. Omori	Hirosaki Univ Japan
IT-04	3:00 pm -3:30 pm	High Prevalence of uranium in groundwater of Mansa district of SW-Punjab and its remediation using SnO ₂	Dr. Satvir Singh	CTU, Jalandhar
	3:30 pm- 4:00 pm	Oral Presentations	07 to 09	
	4:00 pm- 4:15 pm	TEA/ COFFEE		
		Technical Session 3: Chairperson – Prof. Rohit Mehra, Co-Chairperson- Dr. Neetika Chauhan		
IT-05	4:15 pm- 4:45 pm	The 210Po Characteristics in Aerosols in a Mineral Processing Factory and Surrounding Residential Areas, Vietnam	Dr. Miklós Hegedűs	Pannonia Univ Hungary
IT-06	4:45 pm -5:15 pm	Radiation Dosimetry: Insights from the Uranium Biokinetic and Human Respiratory Tract Models	Dr. P. Bangotra	NSUT, Delhi
	5:15 pm -5:45 pm	Oral Presentations	010 to 012	

DAY 2

October 08, 2024 (Tuesday)



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	Timings	Session	Experts	Affiliation
		Technical Session 4: Chairperson –Prof. Tibor Kovacs , Co-Chairperson-Dr. J. Sannappa Special Session: International Network for Asian and African Researchers in Environmental Radiation for Health Management to Radiation Exposure		
IT-07	9:30 am-10:00 am	Ionizing Radiation: Characteristics, Exposure, Health Effects and Protective Measures in Normal and High Background Radiation Areas of India	Prof. R.C. Ramola	HNBGU
IT-08	10:00 am-10:30 am	Comparative analysis of spatial and depth wise distribution of uranium in groundwater of South-west & North-west region of Punjab state, India	Prof. B.S. Bajwa	GNDU, Amritsar
	10:30 am-11:30 am	Oral Presentations	013 to 018	
	11:30 am-11:45 am	TEA/ COFFEE		
		Technical Session 5: Chairperson –Prof. A.S. Pandit, Co-Chairperson- Dr. S. K. Sharma		
IT-09	11:45 am-12:15 pm	Effects of low doses of ionising radiation:Evidences of adaptive response and immune modulation	Dr. B.K. Sapra	BARC Mumbai
IT-10	12:15 am-12:45 pm	Perovskite scintillators for the detection in the natural environment	Dr. A.K. Gourishetty	IIT Roorkee
	12:45 pm-1:30 pm	Oral Presentations	019 to 022	
	1:30 pm -2:30 pm	LUNCH		
		Technical Session 6: Chairperson –Prof. N.T. Mandlik, Co-Chairperson- Dr. Miklós Hegedűs		
IT-11	2:30 pm -3:00 pm	Interaction of aerosols with radioactivity: Recent studies and future guidelines	Dr. Manish Joshi	BARC Mumbai
IT-12	3:00 pm -3:30 pm	Evaluating Health Risks and Radiation Doses in Human Population through Uranium Biokinetics from Prolonged Groundwater Ingestion	Prof. Rohit Mehra	NIT, Jalandhar
	3:30 pm -4:00 pm	Oral Presentations	023 to 025	
	4:00 pm-4:15 pm	TEA/ COFFEE		
		Technical Session 7: Chairperson –Prof. Gunjan Purohit, Co-Chairperson-Dr. Ganesh Prasad		
	3:00 pm-4:00 pm	Poster Presentations-I/ Parallel sessions	P01 - P35	
		Technical Session 8: Chairperson –Dr. B.K. Sapra , Co-Chairperson-Dr. S. Kimothi		
IT-13	4:15 pm-4:45 pm	Application of Radiogenic Isotopes in Atmospheric Environment	Dr. Ashwini Kumar	NIO, GOA
IT-14	4:45 pm-5:15 pm	Role of carbon and nitrogen isotopic ratios in source apportionment of aerosols (PM _{2.5} and PM ₁₀)	Dr. S. K. Sharma	NPL- CSIR Delhi
IT-15	5:15 pm-5:45 pm	Distribution of radionuclides in Soil and tobacco Plants and Effects of Physicochemical parameters in Tobacco growing some places of Karnataka state India-An overview	Prof. J. Sannappa	KU, Shimoga TN
		Technical Session 9: Chairperson Dr. Subhas C. Pokhriyal, Co-Chairperson- Dr. Kiran Sharma		
	5:00 pm-6:00 pm	Poster Presentations-II/ Parallel sessions	P36 onwards	

DAY 3

October 09, 2024 (Wednesday)



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	Timings	Session	Experts	Affiliation
		Technical Session 10: Chairperson – Dr. Rosaline Mishra , Co-Chairperson- Dr. Ashwini Kumar		
IT-16	9:30 am-10:00 am	Thoron: Review on Indoor Radiological Risk in Telangana, India	Dr. S. Reddy	Osmania Univ
IT-17	10:00 am-10:30 am	Radiological risk assessment from radon exposure and terrestrial gamma radiations in seismically active Fault Zone	Dr. D. Barooah	Cotton Univ Guwahati
	10:30 am-11:30 am	Oral Presentations	026 to 031	
	11:30 am-11:45 am	TEA/ COFFEE		
		Technical Session 11: Chairperson –Prof. Kuldip Singh, Co-Chairperson- Dr. B. Kumar		
IT-18	11:45 am-12:15 pm	Radiation and Health	Dr. A.S. Pandit	IISc Bangalore
IT-19	12:15 am-12:45 pm	Stochastic Approach to investigate the Radon Time Series and their Geo-scale relationship in the MCT region of Uttarakhand, India	Dr. S. Kimothi	GEU, Dehradun
IT-20	12:45 pm-1:15 pm	Thermoluminescence and Optically Stimulated Luminescence Study of Micro and Nanophosphors for Dosimetry Application	Prof. N.T. Mandlik	Fergusson College Pune
	1:15 pm-1:55 pm	Oral Presentations	032 to 034	
	1:45 pm-2:30 pm	LUNCH		
		Technical Session 12: Chairperson –Prof. D. Barooah, Co-Chairperson- Dr. S. Reddy		
IT-21	2:30 pm-3:00 pm	Advancing Water Quality Monitoring: A Comparative Analysis of Traditional and Modern Methods	Dr. B. Kumar	CSIR, CSIO
IT-22	3:00 pm-3:30 pm	Establishment of dose reference levels in India: A need of the hour	Dr. S. C. Uniyal	SRHU Dehradun
	3:30 pm-4:30 pm	Valedictory Session		