

Muhammad Masood Mahmood

Head of Secondary Standard Dosimetry Lab,
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Field: Medical Physics



Muhammad Masood Mahmood is currently working as the head of Secondary Standard Dosimetry Laboratory (SSDL), Pakistan. It is an ISO 9001:2015 certified laboratory that works under the umbrella of International Atomic Energy Agency (IAEA), and the only laboratory in Pakistan responsible for providing standard calibration services in the field of radiation. Previously, he worked in the Radiation Dosimetry Laboratory (RDL) of Health Physics Division, PINSTECH.

Masood has six international and six national research publications. Furthermore, he has contributed in over 12 national and international conferences. These include regional and inter-regional workshops of IAEA (International Atomic Energy Agency) and participation in the United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR).

Currently he is working on the development of natural/synthesized luminescent materials for radiation dosimetry and its application in high dose dosimetry (cancer therapy and food irradiation).

His research interests include: Medical Radiation Physics, Applied Radiation Dosimetry and Computational Medical Physics (PET, CT, IMRT, VMAT, IGRT, SBRT, SRS etc). He is also involved in formal academic teaching and practical training of Post-graduates along with in-service training of medical physics students.

Further information: <https://www.researchgate.net/profile/Muhammad-Masood-Mahmood>