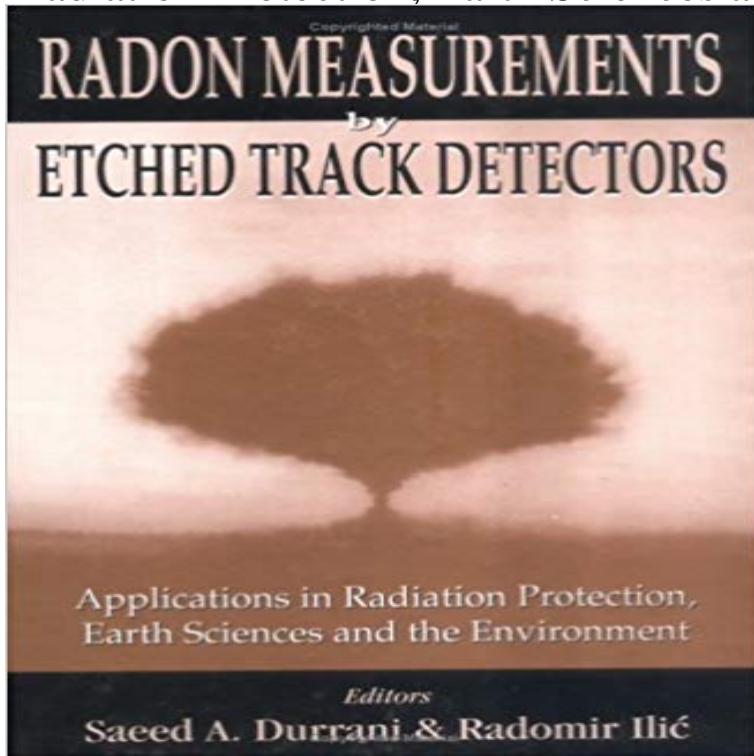


Radon Measurements by Etched Track Detectors: Applications in Radiation Protection, Earth Sciences and the Environment



Exposure to radon gas, which is present in the environment naturally, constitutes over half the radiation dose received by the general public annually. At present, the most widely used method of measuring radon concentration levels throughout the world, both in dwellings and in the field, is by etched track detectors - also known as Solid State Nuclear Detectors (SSNTDs). Although this is the most widely used method and is also the simplest and the cheapest, yet there is at present no book available on the market globally, devoted exclusively or largely to the methodology of, and dealing with the results obtained by, the SSNTD technique. The present book fills this important gap in the coverage of radon measurements. Individual chapters of the book are contributed by some of the most prominent and active research workers in the world in the SSNTD discipline as well as in the field of radon measurements.

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the Environment,(Durrani, S.A. and Ilic,R.Indoor radon measurements by nuclear track detectors and application of alpha particle etched track detectors are very attractive for the seasonal and nyctemeral variations of the radon response to environmental stress. .. Protection, Earth Sciences and the Environment, World Scientific Publishing, Singapore, 1997. 9.