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〈報　　告〉

学校環境における太陽紫外（放射）線の測定と評価

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Measurement and Evaluation of Solar Ultraviolet Radiation in School Environments

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Abstract

It is known that a cause–effect relationship exists between the amount of solar ultraviolet radiation and melanoma, and the ultraviolet radiation in school which in turn, has attracted attention. However, little is known about the actual situation of solar ultraviolet radiation in school, which led us to this present study. It has been revealed that the strongest solar ultraviolet radiation period outdoors differed from that of the classroom. The intensity of solar ultraviolet radiation in the classroom was determined by the direct solar radiation, and was closely related to the direction the classroom faced. It was evident that curtains and blinds were very effective to protect solar ultraviolet irradiation in classroom.

Key words: solar ultraviolet radiation, school environment, UV-A, UV-B.