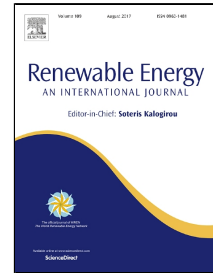


# Accepted Manuscript

Statistical analysis and inter-comparison of erythemal solar radiation for Athalassa and Larnaca, Cyprus



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### Highlights

- Statistical analysis of ultraviolet erythemal radiation.
- Monthly and diurnal variation of ultraviolet erythemal radiation.
- Statistical relationships between ultraviolet erythemal and other radiation components, total ozone column, relative air mass, clearness index and solar zenith angle.
- Calculation of UV Index.
- Estimation of the cumulative doses during an average year for the four skin phototypes.
- Comparison of ultraviolet erythemal radiation between two sites.
- It is the first time that an analysis of this type is performed in Cyprus.

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