

Supplementary Materials

Table 1. Meteorological characteristics of an exposure in Arizona.

Meteorological Characteristics	Parameters
Latitude	33°23' north
Longitude	112°35' west
Elevation	321 m
% Sunshine	85%
Quantity of energy	334 MJ UV/m ² /year 8004 MJ/m ² /year
Annual average max.	30 °C
Annual average min.	13 °C
Rainfall total by year	186 mm
Annual average humidity	35%

Table 2. Quantum energy received by samples after exposure in Arizona.

Parameters Measured	Lengths of Exposure					
	1 month	2 months	3 months	4 months	5 months	6 months
MJ UV/m ²	140	280	420	560	700	840
MJ Visible/m ²	4405	8811	13216	17622	22027	26433
MJ Total/m ²	4545	9091	13636	18182	22727	27273

Table S3. Meteorological characteristics of an exposure in Florida.

Meteorological Characteristics	Parameters
Latitude	25°27' north
Longitude	80°20' west
Elevation	2 m
% Sunshine	69%
Quantity of energy	280 MJ UV/m ² /year 6588 MJ/m ² /year
Annual average max.	28 °C
Annual average min.	21 °C
Rainfall total by year	1420 mm
Annual average humidity	70%

Table S4. Quantum energy received by samples after exposure in Florida.

Parameters Measured	Lengths of Exposure	
	6 months	12 months
MJ UV/m ²	155	310
MJ Visible/m ²	3025	5990
MJ Total/m ²	3180	6300

Table S5. Meteorological characteristics of an exposure in Quebec.

Meteorological Characteristics		Parameters
Latitude		46°58' north
Longitude		69°47' west
Elevation		≈0
% Sunshine		44%
Quantity of energy	180 MJ UV/m ² /year	4280 MJ/m ² /year
Annual average max.		9.2 °C
Annual average min.		-0.8 °C
Rainfall total by year		923.8 mm
Annual average humidity		69.9%
Snow total by year		315.9 mm

Table S6. Quantum energy received by samples after exposure in Quebec.

Lengths of Exposure	Parameters Measured		
	MJ UV/m ²	MJ Visible/m ²	MJ Total/m ²
48 months	506	11524	12030

Table S7. Quantum energy received by samples after exposure in a QUV.

Lengths of Exposure	Parameters Measured		
	MJ UV/m ²	MJ Visible/m ²	MJ Total/m ²
9 months	588	0	588