

Short CV

Name	Alkiviadis Bais
<i>Position</i>	Professor, Physics Department, Aristotle University of Thessaloniki
<i>Studies</i>	PhD in Atmospheric Physics, AUTH, 1984 Bachelor in Physics, AUTH, 1980.
<i>Scientific expertise</i>	<ul style="list-style-type: none"> • Member of the International Radiation Commission, (since 2013) • Member of the International Ozone Commission, (since 2008) • Member of the Environmental Effects of the Ozone Depletion Assessment Panel of UNEP (since 2000) • Member of the Instrumentation Working Group of the WMO AD HOC Scientific Steering Committee on UV Monitoring (since 1994) • Member of the American Society for Photobiology (since 1997) • Chairman of the COST Action 713 "UVB Forecasting" European Commission (1996-2001)
<i>Research activities</i>	<ul style="list-style-type: none"> • 126 published papers in peer reviewed journals • 77 publications in international conference proceedings • 75 presentations (posters) in international conferences • Co-author in 8 scientific assessment reports of WMO and UNEP • Principal investigator in 22 research projects • Participation in 16 research projects • Participation in the organization of 13 conferences • Reviewer in 23 international journals • Supervisor in over 50 graduation projects of undergraduate students • Supervisor in 17 theses of graduate students • Supervisor in 8 doctoral theses (4 in progress) • 9 invited lectures <p>Research fields: Atmospheric Physics, Environmental Physics, Atmospheric technology and quality control, Solar energy, Climate change, Air pollution.</p>
<i>Five most important publications</i>	<ol style="list-style-type: none"> 1. Bais, A.F., C. S. Zerefos, C. Meleti, I. C. Ziomas, K. Tourpali, Spectral Measurements of Solar UV-B Radiation and its Relations to Total Ozone, SO₂ and Clouds, <i>Journal of Geophysical Research</i>, 98(D3), 5199-5204, 1993. 2. Bais, A.F., Absolute Spectral Measurements of Direct Solar Ultraviolet Irradiance with a Brewer Spectrophotometer, <i>Applied Optics</i>, 2007, 5199-5204, 1997. 3. McKenzie, R. L., G. Seckmeyer, A. Bais, and S. Madronich, Satellite retrievals of Erythemal UV dose compared with

	<p>ground based measurements at Northern and Southern midlatitudes, <i>Journal of Geophysical Research</i>, 24051-24062, 2001.</p> <p>4. Bais, A. F., Tourpali, K., Kazantzidis, A., Akiyoshi, H., Bekki, S., Braesicke, P., Chipperfield, M. P., Dameris, M., Eyring, V., Garny, H., Iachetti, D., Jöckel, P., Kubin, A., Langematz, U., Mancini, E., Michou, M., Morgenstern, O., Nakamura, T., Newman, P. A., Pitari, G., Plummer, D. A., Rozanov, E., Shepherd, T. G., Shibata, K., Tian, W., and Yamashita, Y., Projections of UV radiation changes in the 21st century: Impact of ozone recovery and cloud effects, <i>Atmos. Chem. Phys.</i>, 11, 7533–7545, doi:10.5194/acp-11-7533-2011, 2011.</p> <p>5. Bais, A. F., T. Drosoglou, C. Meleti, K. Tourpali, and N. Kouremeti, Changes in surface shortwave solar irradiance from 1993 to 2011 at Thessaloniki (Greece), <i>Int. J. Climatol.</i>, DOI: 10.1002/joc.3636, 2012.</p>
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