



Search

[About](#)

[View Issues](#)

[Subscribe](#)

[Order Back Issues](#)

[Author Guidelines](#)

[Permissions](#)

[Advertising](#)

[Change of Address](#)

[Contact Us](#)

[Magazine Home](#)

[TOS Home](#)

2001, *Oceanography* 14(3):96–97, <http://dx.doi.org/10.5670/oceanog.2001.31>

## **BOOK REVIEW | The Effects of UV Radiation in the Marine Environment**

[Book Information](#) | [Reviewer](#) | [First Paragraph](#) | [Full Review](#) | [Citation](#)

---

### **Book Information**

*The Effects of UV Radiation in the Marine Environment*

Edited by Stephen de Mora, Serge Demers, and Mafia Vernet, Cambridge University Press, ISBN 0521632188, 320 pages

[Top](#)

---

## Reviewer

[John J. Cullen](#) | Dalhousie University, Halifax, Nova Scotia, Canada

[Top](#)

---

## First Paragraph

Interest in the effects of ultraviolet (UV) radiation on the marine environment surged after the Antarctic ozone hole was discovered in the mid 1980s. Much of the ensuing research has focused on quantifying the potential influence of stratospheric ozone depletion on primary productivity, the survival of marine organisms, food web processes and biogeochemical cycling. Generally, this problem is approached by using experiments to assess the wavelength-dependent biological or photochemical effects of UV radiation (280 - 400 nm), especially UV-B (280 - 320 nm). Properly quantified results can be used in models to estimate the impacts of UV in nature and how they would differ in response to enhanced UV-B associated with ozone depletion.

[Top](#)

---

## Full Review

[1.00 MB pdf](#)

[Top](#)

---

## Citation

Cullen, J.J. 2001. Review of *The Effects of UV Radiation in the Marine Environment*, edited by S. de Mora, S. Demers, and M. Vernet. *Oceanography* 14(3):96–97, <http://dx.doi.org/10.5670/oceanog.2001.31>.

[Top](#)

[About](#) | [View Issues](#) | [Subscribe](#) | [Order Back Issues](#) | [Author Guidelines](#) | [Permissions](#) | [Advertising](#) | [Change of Address](#)  
[Contact Us](#) | [Magazine Home](#) | [TOS Home](#) | [Join TOS](#)

*Oceanography* Magazine, The Oceanography Society, P.O. Box 1931, Rockville, MD 20849-1931, USA

Tel: (1) 301-251-7708, Fax: (1) 301-251-7709, E-mail: [magazine@tos.org](mailto:magazine@tos.org)

Send comments about this site to [webmaster@tos.org](mailto:webmaster@tos.org)