

# Curriculum Vitae

**Barbara B. Prezelin**  
Department of Ecology, Evolution and Marine Biology  
University of California, Santa Barbara

## DEGREES

B.S., University of Oregon, Eugene, 1970  
Ph.D., University of California, San Diego, 1975

## PROFESSIONAL APPOINTMENTS

7/1977-6/1983      Assistant Professor, UCSB  
7/1983-6/1987      Associate Professor, UCSB  
7/1987-present     Professor, UCSB  
1996-2005          Faculty Assistant to UCSB Chancellor Henry Yang.

## AWARDS AND HONORS

The 2002 UCSB's Chancellor's Award for Excellence in Undergraduate Research Mentoring; a single prize is awarded each year.

2001 Gordon Research Conferences Award, in recognition of contributions to the "furtherance of knowledge on the frontiers of science as Chair, Conference on Polar Marine Science 2001".

2003 Citation of Service, JGOFS steering committee and USGOFS member of modeling and synthesis team.

2002 Certificate of Thanks for service to UCSB's STEP (Summer Transitional Enrichment Program), a two-week intensive, residential academic summer bridge designed for entering freshman students who wish to seriously prepare for academic honors and success at the University

2002 Certificate of Thanks for service to UCSB's SIMS (Summer Institute for Math and Science), a one-week intensive, residential, summer program that extends the stay of 30 STEP students with outstanding potential for excelling in the sciences. (there is a parallel program in Engineering) SIMS participants experience university life through active involvement in classes, workshops, introductory science labs, and field trips.

(2004) Elected as **Fellow, World Innovation Foundation** (founded as The Institute of National Economic Enrichment and Development). An independent scientific think tank where Fellows act as consultants for the enlightenment and mutual benefit of governments of the world. Members are recruited to work with indigenous scientists, engineers, technologists and inventors of various nations in order to facilitate technology development that aids and sustains economies of developing countries.

(2004) **Grunion Greeter Certificate of Merit** (participated in Great Grunion Count between April-July 2004, required one class for training purposes; on 2 of 4 occasions I took undergraduates along to see the amazing event when thousands of grunion hit Goleta beach to mate)

Designated **ISI's Highly Cited Researcher in Plant and Animal Sciences**; In recognition of your contributions by your fellow scientists, as reflected in the outstanding number of references your papers have garnered, has placed you among the top 250 most cited researchers in the Plant & Animal Science category. For this recognition, I received a **2003 UCSB Faculty Recognition Award**.

## GRANTS & CONTRACTS

2000-2002	National Science Foundation, POWRE Learning and Application of Methods to the Prediction of <i>in situ</i> Marine Primary Production Under the Influence of Changing Solar Ultraviolet Radiation Prezelin, PI	\$73,701
6/15/00- 5/31/04	National Science Foundation, JGOFS Program Comparative Modeling and Data Analysis Studies for the Ross Sea And West Antarctic. A JGOFS Synthesis and Modeling Project Prezelin, Hofmann and Walker-Smith, Jr, co-PIs	\$206,104 (BBP part)
1/01-1/02	NSF, Biological and Chemical Oceanography Workshop funding for 3 <sup>rd</sup> Cordon Research Conference on Polar Marine Sciences Prezelin, PI	\$30,000
1/01-1/02	ONR-USA Workshop funding for 3 <sup>rd</sup> Gordon Research Conference on Polar Marine Science Prezelin, PI	\$30,000
1/01-1/02	SCOR Workshop funding for 3 <sup>rd</sup> Cordon Research Conference on Polar Marine Sciences Prezelin, PI	\$5,000
7/1/02- 6/30/04	UC Office of the President, Marine Council Graduate Fellowship A Mechanism Coupling Sewage Effluent to the Dark Survival of the Toxic Diatom <i>Pseudonitzschia</i> spp. and Subsequent Initiation of Toxic Blooms by Coastal Upwelling Mengelt and Prezelin, PIs	\$50,000
2002	UCSB Faculty Grant Mechanism Coupling Sewage Effluent to the Dark Survival of the Toxic Diatom <i>Pseudonitzschia</i> spp. And Subsequent Initiation of Toxic Algal Blooms by Coastal Upwelling Prezelin, PI	\$5,298
2003	UCSB Faculty Grant An Investigation of Domoic Acid Toxicity Prezelin, PI	\$4,802
2003-2006	UCOP – Marine Council Research Grant Toxic Phytoplankton along the California Coast: a 500-mile perspective Silver, Prezelin, Venrick, co-PIs	\$273,363 (BBP part)
2005	UCSB Faculty Grant Unusual Tolerances to Solar Ultraviolet by Toxic Diatoms Along the California Coast Prezelin, PI	\$3,470
2003-2006	Chancellor Funds Compensation to Prezelin Lab for service as Faculty Assistant (discretionary: summer salary plus part-time technician salary)	\$214,000

2007-2010 National Science Foundation (PENDING) \$419,235  
 Collaborative Research: Organic Carbon Export Pathways from the  
 West Antarctic Peninsula Continental Shelf to Downstream Regions  
 In the Scotia Sea  
 Prezelin, PI; Hofmann, Klinck, co-PIs

## NATIONAL SERVICE

2002-2003 Past President, 2003 Gordon Research Conference Series on Polar Marine Sciences  
 Nominating Committee, 2003 Gordon Research Conference Series on Polar Marine Sciences  
 Member, United States Joint Global Ocean Flux Studies—Synthesis and Modeling Team  
 2004-2007 Member, Board of Directors, American Society of Limnology and Oceanography.

## PUBLICATIONS

<u>#</u>	<u>YEAR</u>	<u>TITLE and AUTHORS</u>	<u>PUBLISHER</u>	<u>CATEGORY</u>
1.	1975	"Isolation and characterization of dinoflagellate and chrysophyte cytochrome <i>f</i> (553-4)" (C. Mehard, B.B. Prézelin, F.T. Haxo)	<u>Phytochem.</u> 14, pp. 2379-2382	Article
2.	1976	"Purification and characterization of peridinin-chlorophyll <i>a</i> proteins from the marine dinoflagellates <i>Glenodinium</i> sp. and <i>Gonyaulax polyedra</i> " (B.B. Prézelin, F.T. Haxo)	<u>Planta</u> 128, pp. 131-133	Article
3.	1976	"The role of peridinin-chlorophyll <i>a</i> proteins in the photosynthetic light adaptation of the marine dinoflagellate <i>Glenodinium</i> sp."	<u>Planta</u> 130, pp. 225-233	Article
4.	1976	"Effects of growth irradiance on the photosynthetic action spectra of the marine dinoflagellate <i>Glenodinium</i> sp." (B.B. Prézelin, A.C. Ley, F.T. Haxo)	<u>Planta</u> 130, pp. 251-256	Article
5.	1976	"Molecular topology of photosynthetic light-harvesting complex, peridinin-chlorophyll <i>a</i> -protein, from marine dinoflagellates" (P.S. Song, P. Koka, B.B. Prézelin, F.T. Haxo)	<u>Biochemistry</u> 15, pp. 4422-4427	Article
6.	1977	"Characterization of photosynthetic rhythms in marine dinoflagellates. I. Pigmentation photosynthetic capacity and respiration" (B.B. Prézelin, B.W. Meeson, B.M. Sweeney)	<u>Plant Physiol.</u> 60, pp. 384-387	Article
7.	1977	"Characterization of photosynthetic rhythms in marine dinoflagellates. II. Photosynthesis-irradiance curves and <u>in vivo</u> chlorophyll <i>a</i> fluorescence" (B.B. Prézelin, B.M. Sweeney)	<u>Plant Physiol.</u> 60, pp. 388-392	Article

8.	1978	"Circadian rhythms" (B.M. Sweeney, B.B. Prézelin)	<u>Photochem. Photobiol.</u> 27, pp. 841-847	Review
9.	1978	"Photosynthetic characteristics and the organization of chlorophyll in marine dinoflagellates" (B.B. Prézelin, R.S. Alberte)	<u>PNAS</u> 75(4), pp. 1801-1804	Article
10.	1978	"Photoadaptation of photosynthesis in <i>Gonyaulax polyedra</i> " (B.B. Prézelin, B.M. Sweeney)	<u>Mar. Biol.</u> 48, pp. 27-35	Article
11.	1979	"Chlorophyll a fluorescence transients and the circadian rhythm of photosynthesis in <i>Gonyaulax polyedra</i> " (B.M. Sweeney, B.B. Prézelin, D. Wong and W.D. Govindjee)	<u>Photochem. Photobiol.</u> 30, pp. 309-311	Article
12.	1979	"Chlorophyll a fluorescence of <i>Gonyaulax polyedra</i> grown on a light-dark cycle and after transfer to constant light" (W.D. Govindjee, D. Wong, B.B. Prézelin, B.M. Sweeney)	<u>Photochem. Photobiol.</u> 30, pp. 405-411	Article
13.	1979	"Photoadaptation of photosynthesis in two bloom-forming dinoflagellates" (B.B. Prézelin, B.M. Sweeney)	In: <u>Toxic Dinoflagellate Blooms.</u> (Taylor, D.L. & H.H. Seliger, eds.) pp. 101-106. Proc. 2nd Internat. Conference on Toxic Dinoflagellate Blooms. Elsevier/North Holland, NY	Article
14.	1980	"Primary processes of photobiological receptors" (P.S. Song, E.B. Walker, J. Jung, R.A. Auerback, G.W. Robinson, B.B. Prézelin)	In <u>New Horizons in Biological Chemistry</u> , Academic Publ. Center, Tokyo, Japan	Review
15.	1980	"Photosynthesis and chlorophyll a fluorescence rhythms in marine phytoplankton" (B.B. Prézelin, A.C. Ley)	<u>Mar. Biol.</u> 55, pp. 295-308	Article
16.	1980	"Time-course of photoadaptation in the photosynthesis-irradiance relationship of a dinoflagellate exhibiting photosynthetic periodicity" (B.B. Prézelin, H.A. Matlick)	<u>Mar. Biol.</u> 58, pp. 85-96	Article
17.	1980	"A chlorophyll c containing pigment-protein complex from the marine dinoflagellate, <i>Glenodinium</i> sp." (B.A. Boczar, B.B. Prézelin, J.P. Markwell, J.P. Thornber)	<u>FEBS Lett.</u> 120, pp. 243-247	Article
18.	1980	"Diel periodicity of photosynthesis in marine phytoplankton" (L.W. Harding, Jr., B.W. Meeson, B.B. Prézelin, B.M. Sweeney)	<u>Mar. Biol.</u> 61, pp. 95-105	Article

19.	1981	"Light reactions in photosynthesis"	In: <u>Physiological Bases of Phytoplankton Ecology</u> . (T. Platt, ed.) <u>Can. Bull. Fish. Aquat. Sci.</u> 210, pp. 1-43	Review
20.	1981	"Chlorophyll protein complex from the photosynthetic apparatus of dinoflagellates" (B.B. Prézelin, B.A. Boczar)	In: <u>Photosynthesis III. Structure and Molecular Organization of the Photosynthetic Apparatus</u> (G. Akoyunoglou, ed.). Balaban Internat. Sci. Services, Philadelphia, PA, pp. 417-426	Article
21.	1981	"Diel oscillations in the photosynthesis-irradiance (P-I) relationship of a planktonic marine diatom" (L.W. Harding, Jr., B.B. Prézelin, B.M. Sweeney, J.L. Cox)	<u>J. Phycol.</u> 17, pp. 389-394	Article
22.	1981	"Use of laboratory spectrometry to predict the detection of phytoplankton luminescence by an airborne Fraunhofer line discriminator" (R.D. Watson, A.F. Theisen, B.B. Prézelin)	<u>Int. J. Remote Sensing</u>	Article
23.	1981	"Primary Productivity in the Sea"	<u>Bioscience</u> 31, p. 774 (P.G. Falkowski, Ed.)	Book Review
24.	1982	"Diel oscillations of the photosynthesis-irradiance (P-I) relationship in natural assemblages of phytoplankton" (L.W. Harding, Jr., B.B. Prézelin, B.M. Sweeney, J.L. Cox)	<u>Mar. Biol.</u> 67, pp. 167-178	Article
25.	1982	"Primary production as influenced by diel periodicity of phytoplankton photosynthesis" (L.W. Harding, Jr., B.B. Prézelin, B.M. Sweeney, J.L. Cox)	<u>Mar. Biol.</u> 67, pp. 179-186	Article
26.	1982	"Effects of light intensity on aging of the dinoflagellate, <i>Gonyaulax polyedra</i> "	<u>Mar. Biol.</u> 69, pp. 129-135	Article
27.	1983	"Nutrient-dependent low light adaptation in the dinoflagellate, <i>Gonyaulax polyedra</i> " (B.B. Prézelin, H.A. Matlick)	<u>Mar. Biol.</u> 74, pp. 141-150	Article
28.	1983	"Primary production of marine snow during and after an upwelling event" (B.B. Prézelin, A.L. Alldredge)	<u>Limnol. Oceanogr.</u> 28, pp. 1156-1167	Article
29.	1983	"Mechanisms of photoadaptation in three strains of the symbiotic dinoflagellate <i>Symbiodinium microadriaticum</i> " (S.S. Chang, B.B. Prézelin, R.K. Trench)	<u>Mar. Biol.</u> 76, pp. 219-231	Article

30. 1983 "Changes in photosystem II account for the circadian rhythm in photosynthesis in *Gonyaulax polyedra*" (G. Samuelsson, B.M. Sweeney, H.A. Matlick, B.B. Prézelin) Plant Physiol. 73, pp. 329-331 Article
31. 1985 "Observations of diel patterns of photosynthesis in cyanobacteria and nanoplankton in the Santa Barbara Channel during 'El Niño'" (M. Putt, B.B. Prézelin) J. Plank. Res. 7, pp. 779-790 Article
32. 1985 "Photosynthetic electron transport in cell-free extracts of diverse phytoplankton. The effect of aging in a population of the dinoflagellate, *Gonyaulax polyedra* (Dinophyceae)" (G. Samuelsson, B.B. Prézelin) J. Phycol. 21, pp. 453-457 Article
33. 1986 "Molecular bases of cell absorption and fluorescence in phytoplankton: potential applications to studies in optical oceanography" (B.B. Prézelin, B.A. Boczar) In: Progress in Phycological Research. (F. Round and D. Chapman, eds.) pp. 349-464. Biopress Limited, Bristol Review
34. 1986 "Contribution of *Synechococcus* sp. to size-fractioned primary productivity in three water masses in the Northwest Atlantic" (H.E. Glover, L. Campbell, B.B. Prézelin) Mar. Biol. 91, pp. 193-204 Article
35. 1986 "Diurnal patterns of photosynthesis and depth-dependent P-I relationships in *Synechococcus* sp. and larger phytoplankton in 3 water masses in the NW Atlantic (B.B. Prézelin, M. Putt, H.E. Glover) Mar. Biol. 91, pp. 205-218 Article
36. 1986 "Photosystem II photoinhibition and altered kinetics of photosynthesis during nutrient-dependent high-light photoadaptation in *Gonyaulax polyedra*" (B.B. Prézelin, G. Samuelsson, H.A. Matlick) Mar. Biol. 93, pp. 1-12 Article
37. 1986 "Light and MgCl<sub>2</sub>-dependent characteristics of four chlorophyll-protein complexes from the marine dinoflagellate, *Glenodinium* sp." (B.A. Boczar, B.B. Prézelin) Biochem. Biophys. Acta 850, pp. 300-309 Article
38. 1987 "The photosynthetic physiology of dinoflagellates" In: The Biology of Dinoflagellates. (M. Taylor, ed.) pp. 174-223. Blackwell Publ., NY Review

39. 1987 "Effects of light intensity and nutrient availability on diel patterns of cell metabolism and growth in populations of *Synechococcus*" (B.B. Prézelin, H.E. Glover, L. Campbell) Mar. Biol. 95, pp. 469-480 Article
40. 1987 "Diurnal patterns of size-fractionated primary productivity across a coastal front" (B.B. Prézelin, R.R. Bidigare, H.A. Matlick, M. Putt, B. Ver Hoven) Mar. Biol. 96, pp. 563-574 Article
41. 1987 Light-dependent chlorophyll-protein organization within the photosynthetic apparatus of the red tide dinoflagellate, *Gonyaulax polyedra* Stein (B.A. Boczar, B.B. Prézelin) Plant Physiol. 83, pp. 805-812 Article
42. 1987 "Optical characterization of primary productivity across a coastal front" (R.C. Smith, R.R. Bidigare, B.B. Prézelin, K.S. Baker, J.M. Brooks) Mar. Biol. 96, pp. 563-574 Article
43. 1988 "Effects of altered photic regimes on diel patterns of species-specific photosynthesis. I. Comparison of polar and temperate phytoplankton" (M. Putt, R.B. Rivkin, B.B. Prézelin) Mar. Biol. 97, pp. 435-443 Article
44. 1988 "Light regulation of peridinin-chlorophyll *a*-protein (PCP) complexes in the dinoflagellate, *Glenodinium* sp.: use of anti-PCP antibodies to detect PCP gene products in cells grown in different light conditions" (S.J. Roman, N. Govind, B.B. Prézelin, E.L. Triplett) Plant Physiol. 88, pp. 594-599 Article
45. 1988 "A nitrate-dependent *Synechococcus* bloom in surface Sargasso Sea water" (H.E. Glover, B.B. Prézelin, L. Campbell, M. Wyman, C. Garside) Nature 331, pp. 161-163 Article
46. 1988 "Diel periodicities of photosynthesis and cell division compared in *Thalassiosira weissflogii* (Bacillariophyceae)" (M. Putt, B.B. Prézelin) J. Phycol. 24, pp. 315-324 Article
47. 1988 "Pico- and ultraplankton Sargasso Sea communities: variability and comparative distributions of prokaryotic *Synechococcus* spp. and eukaryotic algae" (H.E. Glover, B.B. Prézelin, L. Campbell, M. Wyman) Mar. Ecol. Prog. Ser. 49, pp. 127-139 Article

48. 1989 "Organization and comparison of chlorophyll-protein complexes from two fucoxanthin-containing algae: *Nitzschia closterium* (Bacillariophyceae) and *Isochrysis galbana* (Prymesiophyceae) (B.A. Boczar, B.B. Prézelin) J. Plant and Cell Physiol. 30, pp. 1047-1056 Article
49. 1989 "Blue-green light effects on light-limited rates of photosynthesis: relationship to pigmentation and productivity estimates for *Synechococcus* populations from the Sargasso Sea" (B.B. Prézelin, H.E. Glover, B.M. Ver Hoven, D. Steinberg, H.A. Matlick, O. Schoefield, N. Nelson, M. Wyman, L. Campbell) Mar. Ecol. Prog. Ser. 54, pp. 121-136 Article
50. 1989 "Influence of zeaxanthin on quantum yield of photosynthesis of *Synechococcus* clone WH7803 (DC2)" (R.R. Bidigare, O. Schofield, N.B. Nelson, B.B. Prézelin) J. Mar. Ecol. Prog. Ser. 56, pp. 177-188 Article
51. 1989 "Bio-optical modeling of photosynthetic production in coastal waters" (R.C. Smith, B.B. Prézelin, R.R. Bidigare, K.S. Baker) Limnol. Oceanogr. 38, pp. 1526-1546 Article
52. 1990 "The formation of ATP and reducing power in the light" (B.B. Prézelin, N. Nelson) Chapter 15 in Advanced Plant Physiology: Integration and Control of Metabolism. (ed. by D.T. Dennis and D.H. Turpin), pp. 212-223. Pitman Publishers Textbook Chapter
53. 1990 "Congressional Report by Marine Biotechnology Study Group: Initiative for the Accelerated Transfer of Biotechnology to the Ocean Sciences" 40 p. Sponsored by NSF, ONR, U.S. Dept. of Commerce-National Oceanic and Atmospheric Administration Report
54. 1990 "In situ photosynthetic physiology and chlorophyll-protein biochemistry of two dinoflagellate blooms" (B.B. Boczar, B.B. Prézelin, H.A. Matlick) British Phycol. J. 25, pp. 157-168 Article
55. 1990 "An analysis of the light-harvesting peridinin-chlorophyll *a*-proteins from dinoflagellates by immunoblotting techniques" (N.S. Govind, S.J. Roman, R.K. Iglesias, R.K. Trench, E.L. Triplett, B.B. Prézelin) Proc. Royal Soc. London 240, pp. 187-195 Article
56. 1990 "Spectral photosynthesis, quantum yield and blue-green light enhancement of productivity rates in the diatom *Chaetoceros gracile* and the prymnesiophyte *Emiliania huxleyi*" (O. Schofield, R.R. Bidigare, B.B. Prézelin) MEPS 64, pp. 175-186 Article

57.	1990	"Chromatic light effects and physiological modeling of absorption properties of <i>Heterocapsa pygmaea</i> aka. <i>Glenodinium</i> sp." (N. Nelson, B.B. Prézelin)	<u>MEPS</u> 63, pp. 37-46	Article
58.	1990	"Biological pigments as fluorescent labels for cytometry" (D. Rectenwald, B.B. Prézelin, C.H. Chen, J. Kimura)	Proc. SPIE meeting on <u>New Technologies in Cytometry and Molecular Biology</u>	Article
59.	1991	"Variability in time/space estimates of phytoplankton, biomass and productivity in the Sargasso Sea" (B.B. Prézelin, H.E. Glover)	<u>Journal of Plankton Research</u> 13S, pp. 45-67 (special supplement of invited papers in memory of Dr. Ian Morris)	Article
60.	1991	"The control of the production process of phytoplankton by the physical structure of the aquatic environment with special reference to its optical properties" (B.B. Prézelin, M.M. Tilzer, O. Schofield, C. Haese)	<u>Aquatic Sciences</u> 53, pp. 136-186	Review
61.	1991	"Variability in spectral and nonspectral measurements of photosynthetic light utilization efficiencies" (O. Schofield, B.B. Prézelin, R.C. Smith, P.M. Stegmann, N.B. Nelson, M.R. Lewis, K.S. Baker)	<u>Mar. Ecol. Prog. Ser.</u> 78, pp. 253-271	Article
62.	1991	Report by Consensus Statement Committee of American Society of Limnology and Oceanography Symposium on "What Controls Phytoplankton Production in Nutrient-Rich Areas of the Open Sea?"	Elected committee of Participants charged with the task included R. Barber, S. Chisholm, J. Cullen, A. Gargett, J. Lehman, J. McCarthy, J. Morgan, B. Prézelin, W. Sunda, pp. 17	Report
63.	1992	"Ozone depletion, UVB and phytoplankton biology in antarctic waters" (R.C. Smith, B.B. Prézelin, K.S. Baker, R.R. Bidigare, N.P. Boucher, T. Coley, D. Karentz, S. MacIntyre, H.A. Matlick, D. Menzies, M. Ondrusek, K. Waters)	<u>Science</u> 255, pp. 952-959	Article
64.	1992	"Bio-optical models and the problem of scaling" (R.R. Bidigare, B.B. Prézelin, R.C. Smith)	In: <u>Primary Productivity and Biogeochemical Cycling in the Sea.</u> (P.G. Falkowski and A.D. Woodhead, Eds.) pp. 175-212. Plenum Press, N.Y.	Review
65.	1992	"Diel periodicity in phytoplankton productivity"	<u>Hydrobiologia</u> 238, pp. 1-35	Review

66.	1992	"Quantification of chromophore pigments, apoprotein abundance and isoelectric variants of peridinin-chlorophyll a-protein complexes (PCPs) in the dinoflagellate <i>Heterocapsa pygmaea</i> grown under variable light conditions" (R.V.M. Jovine, E.L. Triplett, N.B. Nelson, B.B. Prézelin)	<u>Plant Cell Physiol.</u> 33(6), pp. 733-741	Article
67.	1992	Congressional Record Testimony on "Ozone Depletion: Ultraviolet Radiation and Phytoplankton Biology in Antarctica Waters"	Submitted by Drs. Smith and Prézelin to the Senate Committee on Government Affairs, Ad Hoc Subcommittee on Consumer and Environmental Affairs Hearing on Ozone Layer and its Effect on Human Health and the Environment, May 15, 1992; Dirksen Senate Office Building, Room 342	Report
68.	1992	A Handbook of Bio-optical Nomenclature (B. Prézelin and many others) based on a Watercolors Workshop 4/91	Presented as an invited appendix to the upcoming JGOFS Workshop Report on Bio-optics	Report
69.	1992	Spatial Variability in Phytoplankton Distribution and Surface Photosynthetic Potential within the Peninsula Grid, November 1991. (B.B. Prézelin, N.P. Boucher, M. Moline, E. Stephens, K. Seydel, K. Scheppe)	<u>Antarctic Journal</u> 27(5), pp. 242-244	Report
70.	1992	Biomass and Community Composition of Euphasiids within the Peninsula Grid, November 1991 Cruise (L.B. Quetin, R.M. Ross, B.B. Prézelin, K.L. Haberman, K.L. Hacecyk, T. Newberger)	<u>Antarctic Journal</u> 27(5), pp. 244-245	Report
71.	1992	Temporal variability in HPLC pigmentation and inorganic nutrient distribution in surface waters adjacent to Palmer Station, December 1991-February 1992 (B.B. Prézelin, M. Moline, K. Seydell, K. Scheppe)	<u>Antarctic Journal</u> 27(5), pp. 245-248	Report
72.	1993	Daytime Kinetics of UV-A and UV-B Inhibition of Photosynthetic Activity in Antarctic Surface Waters (B.B. Prézelin, N.P. Boucher, R.C. Smith)	In: <u>Photosynthetic Responses to the Environment</u> (H. Yamamoto and C. Smith, Eds). Current Topics in Plant Physiology: Vol. 8. Proceedings Photosynthetic Responses to the Environment Symposium, August 24-27, 1992, p. 150-155	Article

73.	1993	Spectral regulation of photosynthetic quantum yields in the marine dinoflagellate <i>Heterocapsa pygmaea</i> (B. Kroon, B.B. Prézelin, O. Schofield)	In: <u>Photosynthetic Responses to the Environment</u> (H. Yamamoto and C. Smith, Eds). Current Topics in Plant Physiology: Vol. 8. Proceedings Photosynthetic Responses to the Environment Symposium, August 24-27, 1992, p. 178-184	Article
74.	1993	Characterization of the sequence organization of DNA from the dinoflagellate <i>Heterocapsa pygmaea</i> (aka <i>Glenodinium</i> sp.) (E.L. Triplett, N.S. Govind, S.J. Roman, R.V.M. Jovine, B.B. Prézelin)	<u>Molecular Marine Biology and Biotechnology</u> 2(4) pp. 239-245	Article
75.	1993	Characterization of two full length cDNA sequences encoding for apoproteins of Peridinin-Chlorophyll <i>a</i> -Protein complexes (E.L. Triplett, V.M. Jovine, N.S. Govind, S.J. Roman, S.S. Chang, B.B. Prézelin)	<u>Molecular Marine Biology and Biotechnology</u> 2(4), pp. 246-254	Article
76.	1993	"Polyethylene bags and solar ultraviolet radiation" (O. Holm-Hansen and E.W. Helbling) (Response by B.B. Prézelin and R.C. Smith)	<u>Science</u> 259, pp. 534-535	Response
77.	1993	" <i>In situ</i> photosynthetic quantum yield. Correspondence to hydrographic and optical variability within the Southern California Bight (O. Schofield, B.B. Prézelin, R.R. Bidigare, R.C. Smith)	<u>Mar. Ecol. Prog. Ser.</u> 93, pp. 25-37	Article
78.	1993	"Phytoplankton light absorption and the package effect in California coastal waters (N.B. Nelson, B.B. Prézelin, R.R. Bidigare)	<u>Mar. Ecol. Prog. Ser.</u> 94, pp. 217-227	Article
79.	1993	"Chromatic regulation of quantum yields for photosystem II charge separation, oxygen evolution, and carbon fixation in <i>Heterocapsa pygmaea</i> (Pyrrophyta) (B. Kroon, B.B. Prézelin, O. Schofield)	<u>J. Phycol.</u> 29, pp. 453-462	Article
80.	1993	"Effects of Increased Ultraviolet Radiation on Global Ecosystems"	Proceedings of a workshop arranged by the Scientific Committee on Problems of the Environment (SCOPE). It is a research implementation plan addressing the impacts of increased UV-B radiation due to stratospheric ozone depletion on global ecosystems. Tramariglio, (Sassari) Sardinia, October, 1992	Report

81.	1993	"Calibration of an integrating sphere for determining the absorption coefficient of scattering suspensions" (N.B. Nelson, B.B. Prézelin)	<u>Applied Optics</u> 32, pp. 6710-6717	Article
82.	1993	"Ozone-dependent UV effects versus UV-B specific effects on primary productivity in the Southern Ocean: How and when to consider a spectral correction of direct field measurements (N.P. Boucher, B.B. Prézelin)	<u>Antarctic Journal of the U.S.</u> , Volume XXVIII, pp. 117-119	Report
83.	1994	"High abundance of Archaea in antarctic marine picoplankton" (E.F. DeLong, K.Y. Wu, B.B. Prézelin, R.V.M. Jovine)	<u>Nature</u> 371, pp. 695-697	Article
84.	1994	"Chromoprotein- and pigment-dependent modeling of spectral light absorption in two dinoflagellates, <i>Prorocentrum minimum</i> and <i>Heterocapsa pygmaea</i> (G. Johnsen, N.B. Nelson, R.V.M. Jovine, B.B. Prézelin)	<u>Mar. Ecol. Prog. Ser.</u> 114, pp. 245-258	Article
85.	1993	A Handbook of Bio-optical Nomenclature (B.B. Prézelin, N.B. Nelson, O. Schofield, N.B. Boucher, R.C. Smith, K. Waters, R.R. Bidigare, M.R. Lewis, K.S. Baker, P. Stegman)	In: <u>Bio-Optics in U. S. JGOFS.</u> (eds. by T.D. Dickey and D.A. Siegel) pp. 159-166	Report
86.	1994	Marine Primary Production Under the Influence of the Antarctic Ozone Hole: Icecolors '90 (B. Prézelin, N.P. Boucher, R.C. Smith)	In: <u>Ultraviolet Radiation and Biological Research in Antarctica.</u> (S. Weiler and P. Penhale, eds), Antarctic Research Series, 62:159-186	Article and Book Chapter
87.	1994	Evaluation of Field Studies of UV-B Radiation Effects on Antarctic Marine Primary Productivity (B.B. Prézelin, N.P. Boucher, O. Schofield)	In: <u>Stratospheric Ozone Depletion and UV-B Radiation in the Biosphere</u> (Biggs, R.H. and M.E.B. Joyner, editors) Springer-Verlag, Berlin. NATO ASI Series, I (18): 181-194	Article
88.	1994	Forward (R. Smith, B.B. Prézelin)	In: Impact of UV-B Radiation on Pelagic Freshwater Ecosystems (eds by C.E. Williamson and H.E. Zagarese). Archiv. fur Hydrobiologie 43: V-VII	Book Forward
89.	1995	Isolation of Membrane Bound Light-Harvesting-Complexes from the Dinoflagellates <i>Heterocapsa pygmaea</i> and <i>Prorocentrum minimum</i> (R.V.M. Jovine, G. Johnsen, B.B. Prézelin)	<u>Photosynthesis Research</u> 44, pp. 127-138	Article

90.	1994	Palmer LTER, Austral Winter 1993: Patterns of distribution of inorganic macronutrients, phytoplankton pigmentation, and photosynthetic activity in an ice-dominated ecosystem (B. Sullivan, H.A. Matlick, B.B. Prézelin)	<u>Antarctic Journal of the United States</u> pp. 207-209	Report
91.	1994	Palmer LTER: Photoadaptation in a coastal phytoplankton bloom and impact on the radiation utilization efficiency for carbon fixation (O. Schofield, B.B. Prézelin, M.A. Moline)	<u>Antarctic Journal of the United States</u> pp. 214-216	Report
92.	1994	Palmer LTER: Impact of a large diatom bloom on macronutrient distribution in Arthur Harbor during austral summer 1991-1992 (M.A. Moline, B.B. Prézelin)	<u>Antarctic Journal of the United States</u> pp. 217-219	Report
93.	1994	Icecolors 93: Biological weighting function for the UV inhibition of carbon fixation in a natural Antarctic phytoplankton community (N. Boucher, B.B. Prézelin, T. Evens, R. Jovine, B. Kroon, M.A. Moline, O. Schofield)	<u>Antarctic Journal of the United States</u> pp. 272-275	Report
94.	1994	Icecolors '93: Epilithic productivity by microalgae exhibits a potentially high sensitivity to natural levels of UV-B radiation (T. Evens, S. Roll, B. Golden, B.B. Prézelin)	<u>Antarctic Journal of the United States</u> pp. 275-277	Report
95.	1994	Icecolors '93: Beginnings of an Antarctic phytoplankton and bacterial DNA library from Southern Ocean natural communities exposed to UV-B (R.V. Jovine, B.B. Prézelin)	<u>Antarctic Journal of the United States</u> pp. 277-279	Report
96.	1995	Effects of UV-B on Aquatic Ecosystems (B.B. Prézelin, V. Smetacek)	IASC/SCOPE Workshop on "Effects of Increased UV-Radiation in the Arctic". April 14-15, Copenhagen, Denmark	Review and Report
97.	1995	Impact of Ultraviolet-B Radiation on Photosystem II Activity and its Relationship to the Inhibition of Carbon Fixation Rates for Antarctic Ice Algae Communities (O. Schofield, B. Kroon, B. Prézelin)	<u>J. Phycol.</u> 31, pp. 703-715	Article
98.	1995	Assessing UV Effects on Arctic Aquatic Ecosystems (B.B. Prézelin, V. Smetacek)	In: Effects of Increased UV-Radiation in the Arctic. IASC (International Arctic Science Committee/SCOPE (Scientific Committee for the Protection of the Environment), <u>IASC Report No. 2.</u>	Report

99.	1995	The Palmer LTER: A Long-Term Ecological Research Program at Palmer Station, Antarctica (R.C. Smith, K.S. Baker, W.R. Fraser, E.E. Hofmann, D.M. Karl, J.M. Klinck, L.B. Quentin, B.B. Prézelin, R.M. Ross, W.Z. Trivelpiece, M. Vernet)	<u>Oceanography</u> 8(3), pp. 77-86	Report
100.	1995	Palmer LTER: Photoacclimation in a Coastal Phytoplankton Bloom (O. Schofield, M. Moline, B.B. Prézelin)	<u>Antarctic Journal of the United States</u> 30(5), pp. 260-262	Report
101.	1995	Statistical Analyzes of Environmental Predictors for Phytoplankton Photosynthetic Parameters and Productivity in an Antarctic Time Series Database (M.A. Moline, B.B. Prézelin, O. Schofield)	<u>Antarctic Journal of the United States</u> 30(5), pp. 159-160	Report
102.	1995	Temperature Dependency of Fluorescence Decay Parameters in an Antarctic Isolate of the Diatom <i>Thalassiosira</i> sp. (B.M.A. Kroon, B.B. Prézelin)	<u>Antarctic Journal of the United States</u> 30(5), pp. 159-160	Report
103.	1995	Excluding Connectivity Leads to Inaccurate Estimates of the PSII Absorption Cross Section of an Antarctic Macrophyte Using "Pump and Probe" Fluorometry (B.M.A. Kroon, B.B. Prézelin)	<u>Antarctic Journal of the United States</u> 30(5), pp. 165-166	Report
104.	1996a	An <i>in situ</i> Biological Weighting Function for UV Inhibition of Phytoplankton Carbon Fixation in the Southern Ocean (N.P. Boucher, B.B. Prézelin)	<u>Marine Ecology Progress Series</u> 144, pp. 223-236	Article
105.	1996	Spectral Modeling of UV Inhibition of <i>in situ</i> Antarctic Primary Production Using a Field-derived Biological Weighting Function (N.P. Boucher, B.B. Prézelin)	<u>Photochem. Photobiol.</u> 64(3), pp. 407-418	Article
106.	1996	Long-term Monitoring and Analyses of Physical Factors Regulating Variability in Coastal Antarctic Phytoplankton Biomass, <i>in situ</i> Productivity and Taxonomic Composition over Subseasonal, Seasonal and Interannual Time Scales (M.A. Moline, B.B. Prézelin)	<u>Mar. Ecol. Prog. Ser.</u> 145, pp. 143-160	Article
107.	1996	Wavelength-dependency of the Maximum Quantum Yield of Carbon Fixation for Two Red Tide Dinoflagellates, and <i>Prorocentrum minimum</i> (Pyrrophyta): Implications for Measuring Photosynthetic Rates (O. Schofield, B.B. Prézelin, G. Johnsen)	<u>Journal Phycology</u> 32, pp. 574-583	Article

108. 1997 High-Resolution Time-Series Data for 1991/1992 Primary Production and Related Parameters at a Palmer LTER Coastal Site: Implications for Modeling Carbon Fixation in the Southern Ocean (M.A. Moline, B.B. Prézelin) Polar Biology 17, pp. 39-53 Article
109. 1997 Temporal Dynamics of Coastal Antarctic Phytoplankton: Environmental Driving Forces and Impact of a 1991-1992 Summer Diatom Bloom on the Nutrient Regimes (M.A. Moline, B.B. Prézelin, O. Schofield, R.C. Smith) Pp. 67-72, In: **Antarctic Communities** (B. Battaglia, J. Valencia and D. W. H. Walton, eds.) Cambridge Press, London Chapter
110. 1997 The Formation of ATP and Reducing Power in the Light (B.B. Prézelin, N.B. Nelson) Chapter 19 in: **Plant Metabolism**, 2nd ed (D.T. Dennis, D.H. Turpin, D.D. Lefebvre and D.B. Layzell, eds.) pp. 274-285 Longman Scientific and Technical, Essex, England Chapter
111. 1997 **Ultraviolet International Research Centers** (UVIRCs): A Proposal for Interdisciplinary UVB Research in the Arctic IASC (International Arctic Science Committee), Report no. 7. Multiauthored, multinational report commissioned from IASC UV working group (Prof. Prézelin is one of 3 U. S. representatives) Report
112. 1997 Fluorescence Excitation Spectra and Light Utilization in Two Red Tide Dinoflagellates (G. Johnsen, B.B. Prézelin, R.V.M. Jovine) Limnology and Oceanography 42, pp. 1166-1177. Article
113. 1997 Sources of Variability in the Column Photosynthetic Cross Section for Antarctic Coastal Waters (H. Claustre, M.A. Moline, B.B. Prézelin) Journal of Geophysical Research 102, pp. 25,047-25,060 Article
114. 1997 Climate Change, Ozone and Ultraviolet Radiation (B.B. Prézelin among many other contributing authors) In: Arctic Monitoring and Assessment Program (AMAP) Assessment Report: Arctic. Pollution Issues (Weatherhead, E.C., and Morseth, C. M., eds), pp. 717-774 Book Chapter
115. 1997 Palmer LTER: Stable interannual successional patterns of phytoplankton communities in the coastal waters off Palmer Station, Antarctica (M.A. Moline, B.B. Prézelin and O. Schofield) Antarctic Journal of the United States 32(5), pp. 151-153 Report
116. 1997 Variations in the water column photosynthetic cross section for Antarctic coastal waters (H. Claustre, M. Moline, B. Prézelin) SPIE 2963, pp. 846-849 Article

117. 1997 High-resolution time-series data for 1991/1992 primary production and related parameters at a Palmer LTER coastal site: Implications for modeling carbon fixation in the Southern Ocean (M.A. Moline, B.B. Prézelin) Polar Biology 17, pp. 39-53 Article
118. 1997 Temporal dynamics of coastal Antarctic phytoplankton: Environmental driving forces and impact of a 1991-1992 summer diatom bloom on the nutrient regimes (M.A. Moline, B.B. Prézelin, O. Schofield, R.C. Smith) pp. 67-72, In: Antarctic Communities Species, Structure and Survival (B. Battaglia, J. Valencia and D.W.H. Walton, eds.) Cambridge University Press, London. Invited Article
119. 1998 Icecolors '93: Spectral UV radiation effects on Antarctic frazil ice algae (B.B. Prézelin, M. Moline, H.A. Matlick) In: Antarctic Sea Ice Biological Processes, Interactions and Variability (M. Lizotte and K. Arrigo, eds) Antarctic Research Series, vol. 73, pp. 45-84 Book Chapter
120. 1998 UV Radiation Monitoring Data Workshop for United States Department of Agriculture (J.H. Gibson, ed) USDA-UV Monitoring Program, Report. 28 Report
121. 2000 Optical Fractionation of Chlorophyll and Primary Production for Coastal Waters of the Southern Ocean (M.A. Moline, B.B. Prézelin) Polar Biology 23, pp. 129-136 Article
122. 2000 The Linkage between Upper Circumpolar Deep Water (UCDW) and Phytoplankton Assemblages on the West Antarctic Peninsula Continental Shelf (B.B. Prézelin, E.E. Hofmann, C. Mengelt, J.M. Klink) Journal of Marine Research 58, pp. 165-202 Article
123. 2002 **SLIC** : Development of Visual Basic Code for the Determination of Fully Spectral Underwater Ultraviolet Light Fields from *in situ* Measurements at Four Discrete UV Wavebands (J. Hastings, S. McKagan, J. Robidart, B.B. Prézelin) UCSB Marine Primary Production Group (MPPG) Technical Report 1, 124 pp. [http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech\\_reports.html](http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech_reports.html) technical report/software code available to public as on line publication and as CD upon request

124.	2002	<b>BWF Architect:</b> Development of IDL-Based Code for Generating Spectral UV Biological Weighting Functions from Field Data Sets (S. McKagan, B.B. Prézelin)	UCSB Marine Primary Production Group (MPPG) Technical Report 2, 119 pp. <a href="http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech_reports.html">http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech_reports.html</a>	technical report/ software code available to public as on line publication and as CD upon request
125.	2002	<b>BEAR:</b> Development of IDL-Based Code for Error Analysis of Field Measurements of UV Biological Weighting Functions and Development of Radiation Amplification Factors (S. McKagan, B.B. Prézelin)	UCSB Marine Primary Production Group (MPPG) Technical Report 3, 67 pp. <a href="http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech_reports.html">http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech_reports.html</a>	technical report/ software code available to public as on line publication and as CD upon request
126.	2002	<b>REAP:</b> Ongoing Development of IDL-Based Relationship Evaluator and Plotter (REAP) software incorporating a suite of data management, computational and visualization tools to recognize scientific patterns in the data inputs and outputs of <b>SLIC, BWF ARCHITECT,</b> and <b>BEAR</b> (S. McKagan, B.B. Prézelin)	UCSB Marine Primary Production Group (MPPG) Technical Report 4, 92 pp. <a href="http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech_reports.html">http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech_reports.html</a>	technical report/ software code available to public as on line publication and as CD upon request
127.	2002	A Potential Novel Link Between Organic Nitrogen Loading and <i>Pseudo-nitzschia</i> spp. Blooms (C. Mengelt, B.B. Prézelin)	<a href="http://resources.ca.gov/ocean/">California's Ocean Resources: An Agenda for the Future</a> . Proceedings of the California and the World Ocean Conference, <a href="http://resources.ca.gov/ocean/">http://resources.ca.gov/ocean/</a>	Article
128.	2004	UV-B Inhibition of <i>Pseudo-nitzschia australis</i> Primary Production is Minimized by UV-A Enhancement Effects (Gorga, J.J., Mengelt, C., B.B. Prézelin)	In: <i>Harmful Algae 2002</i> . Steidinger, K.A., Landsberg, J.H., Tomas, C.R., and Vargo, G.A. (eds.) Florida Fish and Wildlife Conservation Commission, Florida Institute of Oceanography, and Intergovernmental Oceanographic Commission of UNESCO, St. Petersburg, Florida, USA.	Article

129. 2004 Dark Survival and Subsequent Light Recovery for *Pseudo-nitzschia multiseries* (Mengelt, C., B.B. Prézelin) In: Harmful Algae 2002. Steidinger, K.A., Landsberg, J.H., Tomas, C.R., and Vargo, G.A. (eds.) Florida Fish and Wildlife Conservation Commission, Florida Institute of Oceanography, and Intergovernmental Oceanographic Commission of UNESCO, St. Petersburg, Florida, USA. Article

130. 2004 Physical Forcing of Phytoplankton Community Structure and Primary Production in Continental Shelf Waters of the Western Antarctic Peninsula. (Prézelin, B.B., Hofmann, E.E., Moline, M., J.M. Klinck) Journal Marine Research 62, pp. 419-460 Research Monograph

131. 2005 UVA Enhancement Of Carbon Fixation And Resilience To UV Inhibition in The Genus *Pseudo-nitzschia* May Provide a Competitive Advantage In High UV Surface Waters (Mengelt, C., B.B. Prézelin) Marine Ecol. Prog. Series 301, pp. 81–93 Article

132. 2006 Domoic Acid In Phytoplankton And Fish In San Diego, California, USA (Busse, L.B., E.L. Venrick, R. Antrobus, P.E. Miller, V. Vigilant, M.W. Silver, C. Mengelt, L. Mydlarz, B.B. Prézelin) Harmful Algae 5 (1), pp. 91-101 Article

133. 2006 **BWF Architect 2**. Procedures And Computational Code For Deriving Biological Weighting Functions From Long-Pass Filter Measurements Of Inhibition Of Biological Or Chemical Rate Processes By Solar Ultraviolet Radiation (Prézelin, B.B., S. McKagan) UCSB Marine Primary Production Group (MPPG) Technical Reports vol. 5, 43 pp Available on line at [http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech\\_reports.html](http://www.lifesci.ucsb.edu/eemb/labs/prezelin/tech_reports.html) Technical Report

### Work In Press

#	Year, Title and Authors	Publisher	Category
B-1	Algal Blooms (B. Prézelin)	<u>Encyclopedia of the Rocky Intertidal</u> (Gaines, S. ed)	Topic
B-2	Solar UV effects on Pigmentation, PUB:PEB Ratios, Light Absorption and Photosynthetic Efficiency in <i>Synechococcus</i> sp. WH7803 (Gorga, J., Haling, J. and B.B. Prézelin)	<u>Marine Ecol. Prog. Series</u>	Article

### Work Submitted

#	Year, Title and Authors	Publisher	Category
C-1	Upwelling and the Temporal Dynamics of Toxic <i>Pseudonitzschia australis</i> and within natural communities of <i>Pseudo-nitzschia</i> spp. on the northern and southern sides of Pt. Conception, California, 2003-2005 (Prezelin, B.B., Keltner, K., Mengelt, C., McKagan, S.)	<u>Harmful Algae</u>	Article

C-2	Ecological Implications of Temporal and Spectral Variations of Phytoplankton Physiology in Antarctic Coastal Waters: A Modeling Study (Kim, H.-C., Prézelin, B., Smith, W.O., Hofmann, E.)	<u>Deep-Sea Research</u> , series one	Article
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### Work In Progress

#	Title and Authors	Potential Publisher	Category
D-1	<i>In vivo</i> and <i>in situ</i> bio-optics including pigment proteins (G. Johnson, N. Nelson, B. Prézelin, S. Sathyendranath, N. Welshmeyer)	New SCOR UNESCO book "Pigments in oceanography" to be published December 2007	Chapter 3 (invited contributor)
D-2	Widening perspective of marine autotrophs; new discoveries and deeper understanding (Prézelin, B.B., Beja, O., Joye, S., Zbigniew)	<u>The Oceanographic Society Journal</u> Special Issue on "Microbes in the Sea" funded by Moore Foundation and to be published June 2007	Chapter 9 (invited lead author)
D-3	Spectral modeling with <i>in situ</i> Biological Weighting Functions for UVR inhibition of primary production indicates <i>Pseudo-nitzschia</i> spp. have a competitive advantage in near surface waters (Prézelin, B., S. McKagan)	<u>Harmful Algae</u>	Article
D-4	Summertime Variations of Diel Periodicity of Primary Production for Diatom- and Nondiatom-dominated phytoplankton assemblages in Antarctic coastal waters (Prézelin, B.B., T. Mizerek)	<u>Polar Biology</u>	Article
D-5	<i>Pseudo-nitzschia multiseri</i> : Light Adaptation and Growth Response to High Solar Flux of Photosynthetic Available Radiation in the Present and Absent of Solar UVA and UVB radiation (Mengelt, C., B.B. Prézelin)	<u>Harmful Algae</u>	Article from completed PhD Student Thesis
D-6	Dark Survival and Light Recovery of Toxic Diatom <i>Pseudo-nitzschia multiseri</i> (Mengelt, C., B.B. Prézelin)	<u>Harmful Algae</u>	Article from completed PhD Student Thesis
D-7	Seasonal Abundance and UV Radiation Effects on Cellular Toxicity of <i>Pseudo-nitzschia australis</i> and <i>Pseudo-nitzschia multiseri</i> Along the Central California Coast (Mengelt, C., B.B. Prézelin)	Marine Ecology Progress Series	Article from completed PhD Student Thesis

D-8	Toxic Phytoplankton Along the California Coast: a 500 mile perspective (M. Silvers, Prézelin, B., Venrick, E.)	<u>Harmful Algae</u>	Article
D-9	Impact of Solar Ultraviolet Radiation on in situ Primary Production in the Santa Barbara Channel (B. Prézelin)	<u>Limnology and Oceanography</u>	Article
D-10	In-water UV radiation in the Santa Barbara Channel (B. Prézelin)	<u>Ocean Optics</u>	Article
D-11	UV Photoecology of the Photosynthetic Apparatus and Photosynthetic Physiology of the red tide dinoflagellate <i>Heterocapsa pygmaea</i> . (Gorga, J. and B.B. Prézelin)	<u>Photobiology and Photochemistry</u>	Article
D-12	Adaptive UV Photoecology of Growth, Cell Properties and Biological Weighting Functions for the Red Tide Dinoflagellate <i>Heterocapsa pygmaea</i> (Prézelin, B.B., Kerfoot, J., Gorga, J.)	<u>Photobiology and Photochemistry</u>	Article
D-13	Thesis chapter. UV Effects on Phytoplankton Community Structure and Photophysiology in the Santa Barbara Channel during the summer 1988. (Gorga, J. and B.B. Prézelin)	<u>Marine Ecology Progress Series</u>	Article
D-14	UV Effects on Primary Production and Related Biological Weighting Functions in the Santa Barbara Channel during the summer 1988. (Gorga, J. and B.B. Prézelin)	<u>Marine Ecology Progress Series</u>	Article