

CURRICULUM VITAE: Francisco P. Chavez

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Personal Data:

DOB: 9/8/53, Talara, Peru
US Citizen

Education:

PhD	Duke University	Botany	1987
BS	Humboldt State University	Oceanography	1977

Professional Background:

2000-present	Senior Scientist (IV), MBARI
2000-present	Faculty (courtesy), Stanford University
1996-2000	Associate Scientist (III), MBARI
1992-1996	Associate Scientist (II), MBARI
1990-present	Research Associate University of California, Santa Cruz
1987-1992	Assistant Scientist, MBARI
1982-1987	Research Assistant Duke University Marine Lab
1981	Geologist US Department of the Interior

Professional Societies:

American Association for the Advancement of Science
American Geophysical Union
American Society of Limnology and Oceanography

Selected Professional Activities

Associate Editor, Geophysical Research Letters
Reviewer for Science, Nature, JGR, JMR, L&O, GRL, DSR, JPR, NASA, NOAA, NSF
Invited Participant Dahlem Konferenzen, NATO ARI
Panel member for NSF, NOPP, EPA, NASA
Member JGOFS time series oversight committee
Reviewer, Chilean Oceanographic Program

Reviewer, Peruvian Fisheries Program
Member of NSF Geosciences Advisory committee
Member NSF Alan T. Waterman award committee

Current Research Interests:

Biology and chemistry of the ocean in relation to global change. How climate, ocean physics, marine chemistry, and ocean ecosystems co-vary on global to meso scales. Instrumentation and systems for long-term ocean observing. Satellite remote sensing.

Graduate Advisor:

Richard T. Barber

Committee Member of Following Graduate Students:

Rafael A. Olivieri (UCSC), M. Celia Villac (Texas A&M), Jonathan Phinney (UCSC), Elena Mauri (MLML), Amy Little (UCSC).

Post-Doctoral Advisor for:

Chris Scholin, Raphael Kudela, Peter Strutton, Russell Hopcroft, John Ryan, Brad Penta, Victor Kuwahara

PUBLICATIONS

- Barber, R.T. and F.P. Chavez. 1983. Biological consequences of El Niño. Science, **222**, 1203-1210.
- Chavez, F.P., R.T. Barber and H. Soldi S. 1984. Propagated temperature changes during onset and recovery of the 1982-83 El Niño. Nature, **309**, 47-49.
- Barber, R.T., J.E. Kogelschatz and F.P. Chavez. 1985. Origin of the biological anomalies during the 1982/83 El Niño. California Cooperative Fisheries Investigation Reports, **26**, 65-71.
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- Chavez, F.P. (1989). Size distribution of phytoplankton in the central and eastern tropical Pacific. Global Biogeochemical Cycles, **3**, 27-35.
- Chavez, F.P., R.T. Barber and M.P. Sanderson (1989). The potential primary production of the peruvian upwelling ecosystem, 1953-1984. In: ICLARM Conference Proceedings Series, 18 (eds. D. Pauly, H. Salzwedel, P. Muck, and J. Mendo), Instituto del Mar del Peru (IMARPE), Callao, Perú; Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ), GmbH, Eschborn, Federal Republic of Germany; and International Center for Living Aquatic Resources Management (ICLARM), Manila, Philippines, pp. 50-63.
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- Barber, R.T. and F.P. Chavez. 1991. Regulation of primary productivity rate in the equatorial Pacific Ocean. Limnology and Oceanography, **36**, 1803-1815.
- Buck, K.R., F.P. Chavez and H.A. Thomsen (1991). Choanoflagellates of the central California waters: abundance and distribution. Ophelia, **33**, 179-186.
- Chavez, F.P. and R. C. Brusca (1991). The Galapagos Islands and their relation to oceanographic processes in the tropical Pacific. In: Galapagos Marine Invertebrates, M.J. James (ed.) Plenum Press, N.Y. pp. 9-33.
- Chavez, F.P., R.T. Barber, A. Huyer, P.M. Kosro, S.R. Ramp, T. Stanton and B. Rojas de Mendiola (1991). Horizontal advection and the distribution of nutrients in the coastal transition zone off northern California: Effects on primary production, phytoplankton biomass and species composition. Journal of Geophysical Research, **96**, 14833-14848.
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