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**NSF-NIEHS Oceans & Human Health Center Role: External Advisory  
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### **Education**

- B.A. Cornell University, 1982, Biology
- Ph.D. University of Rhode Island, 1991, Oceanography

### **Research Interests**

Zooplankton ecology; biological/physical associations and influence of advection on species distributions and community structure; remote sensing of zooplankton (acoustic, video); arctic ecosystems; eastern and western boundary currents.

## Representative Publications



Ashjian, C.J., S.L. Smith, C.N. Flagg, and N. Idrisi. 2002. Distribution, annual cycle, and vertical migration of acoustically derived biomass across a 900 km transect in the Arabian Sea during 1994-1995. *Deep-Sea Research II*, **49**: 2377-2402.



Ashjian, C.J., C.S. Davis, S.M. Gallagher, and P. Alatalo. 2001. Distribution of plankton, particles, and hydrographic features across Georges Bank described using the Video Plankton Recorder. *Deep-Sea Research II*, **48**: 245-282.



Ashjian, C. J., S. L. Smith, C. N. Flagg, and C. Wilson. 1998. Patterns and occurrence of diel vertical migration of zooplankton in the Mid-Atlantic Bight measured by the acoustic Doppler current profiler. *Continental Shelf Research* **18**: 831-858.



Ashjian, C., S. Smith, F. Bignami, T. Hopkins, and P. Lane. 1997. Distribution of zooplankton in the Northeast Water Polynya during Summer 1992. *Journal of Marine Systems*, **10**: 279-298.



Ashjian, C. J., S. L. Smith, and P. V. Z. Lane. 1995. The Northeast Water Polynya during Summer, 1992: Distribution and aspects of secondary production of copepods. *Journal of Geophysical Research, Leads and Polynyas Special Section*, **100**: 4371-4388.



Ashjian, C. J., S. L. Smith, C. N. Flagg, A. J. Mariano, W. J. Behrens, and P. V. Z. Lane. 1994. The influence of a Gulf Stream meander on the distribution of zooplankton biomass in the Slope Water, the Gulf Stream, and the Sargasso Sea described using a shipboard acoustic Doppler current profiler. *Deep-Sea Research I*, **41**: 23-50.



Ashjian, C. J. and K. F. Wishner. 1993. Temporal consistency of copepod species groups in the Gulf Stream. *Deep-Sea Research*, **40**: 483-516.



Ashjian, C. J. 1993. Trends in copepod species abundances across and along a Gulf Stream Meander: Evidence for entrainment and detrainment of fluid parcels from the Gulf Stream. *Deep-Sea Research*, **40**: 461-482.

More Info:

<http://www.whoi.edu/scitech/staff.jsp?id=356>  
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