

Publications Daniel Udovic

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PUBLICATIONS (EXCLUDING SOFTWARE) (* = PEER REVIEWED)

- * **Udovic, J. D., D. Pimentel and D. Nafus.** 1976. The interaction between spatial heterogeneity and genetic feedback in laboratory predator-prey systems. **Oecologia** 25: 23-34.
- * **Levin, S. A. and J. D. Udovic.** 1977. Mathematical Models of coevolving populations. **American Naturalist** 111: 657-675.
- * **Udovic, D.** 1980. Frequency-dependent selection, disruptive selection, and the evolution of reproductive isolation. **American Naturalist**. 116: 621-641.
- * **Udovic, D.** 1981. Determinants of fruit set in *Yucca whipplei*: reproductive expenditure vs. pollinator availability **Oecologia** 48: 389-399.
- * **Udovic, D. and Aker, C. L.** 1981. Fruit abortion and the regulation of fruit number in *Yucca whipplei*. **Oecologia** 49: 245-248.
- * **Aker, C. L. and Udovic, D.** 1981. Oviposition and pollination behavior of the yucca moth (*Tegiticula maculata* (Lepidoptera: Prodoxidae), and its relationship to the reproductive biology of *Yucca whipplei*. (Agavaceae) **Oecologia** 49: 96-101.
- * **Udovic, D.** 1986. Floral predation of *Yucca whipplei* (Agavaceae) by the sap beetle, *Anthrenus agavensis* (Coleoptera: Nitidulidae). **Pan-Pacific Entomol.** 62: 55-57.
- Udovic, D. and Hennesy, G.** 1995. Using Demography 2.0 to model population dynamics. **BioQUEST Notes** 5(3): 1, 4-8.
- Udovic, D., Morris, D., Dickman, A., Postlethwait, J and Wetherwax, P.** 1996. The Workshop Biology Curriculum Handbook. (distributed by the Workshop Biology Program, Department of Biology, University of Oregon)
- Udovic, D.** 1998. Confronting student misconceptions in a large class. National Institute for Science Education Collaborative Learning Web Site (<http://www.wcer.wisc.edu/cl1/CL/story/udovicda/TSDUA.htm>)
- * **Udovic, D., Morris, D., Dickman, A., Postlethwait, J and Wetherwax, P.** 2002. Workshop Biology: Demonstrating the effectiveness of active learning in a non-majors biology course. **BioScience** 52:272-281
- D'Avanzo, C., Grant, B., Morris, D., Musante, S. Taylor, J. Riney, J. and Udovic, D.** 2006. Design, evaluation and research for TIEE, a peer-reviewed electronic teaching resource. **Frontiers in Ecol. And Environ.** 4: 189-195

SOFTWARE PUBLICATIONS

(* = PEER REVIEWED; PLEASE NOTE THAT THE BIOQUEST COLLECTION INCLUDES THREE STAGES OF REVIEW – “FIRST REVIEW”, “COLLECTION CANDIDATES”, “MAIN COLLECTION”. I HAVE ONLY PUT ASTERISKS NEXT TO SOFTWARE MODULES INCLUDED IN THE LATTER TWO GROUPS.)

- Udovic, D.** 1989. Biological Diversity: A hypermedia learning tool. (Computer software and manuals). McGraw–Hill, N. Y.
- Udovic, D.** 1989. Lecture Planner. (Computer software and manuals). McGraw–Hill, N. Y.
- Udovic, D.** 1991. Diversity! A Biology Videodisc Learning Tool for Hypercard® 2.0(Computer software and manuals). McGraw–Hill, N. Y.
- Udovic, D.** 1991. Lecture Planner v. 2.0. (Computer software and manuals). McGraw–Hill, N. Y.
- * **Douglas, S., Peterson, N. S., and Udovic, D.** 1993. The cardiovascular construction kit (Computer software and manuals). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol I*, University of Maryland Press (CD-ROM). [Also on BioQUEST II (1994), BioQUEST III (1995), BioQUEST IV (1996), BioQUEST V (1998) and BioQUEST VI (2001)]
- Udovic, D. and Barber, J.** 1993. Cumulative Selection. (Computer software and manual). *Beta* test version available from University of Oregon Biology Software Lab. See Biology Software Lab web site (http://biology.uoregon.edu/Biology_WWW/BSL/BSL.html)
- * **Udovic, D., Barber, J., Goodwin, W. and Hennesy, G.** 1994. Demography v. 1.0. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools, Vol. II*, University of Maryland Press (CD-ROM).
- Udovic, D. and Goodwin, W.** 1994. Epidemiology v. 1.0. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol. II*, University of Maryland Press (CD-ROM). [Also on BioQUEST III (1995)]
- Udovic, D.** 1994. Selection in Action v. 1.2 (Computer software and manual). *Beta* test version available from University of Oregon Biology Software Lab. See Biology Software Lab web site (http://biology.uoregon.edu/Biology_WWW/BSL/BSL.html)
- * **Udovic, D., Barber, J., Goodwin, W. and Hennesy, G.** 1995. Demography v. 2.0. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools, Vol. III*, University of Maryland Press (CD-ROM).
- Udovic, D. and Hennesy, G.** 1995. Sampling v. 1.1. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol. III*, University of Maryland Press (CD-ROM). [Also on BioQUEST IV (1996), BioQUEST V (1998) and BioQUEST VI (2001)]
- * **Udovic, D., Hennesy, G., Goodwin, W. and Barber, J.** 1996. Demography v. 3.0. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol. IV.*, University of Maryland Press (CD-ROM).
- * **Udovic, D. and Goodwin, W.** 1996. Epidemiology v. 2.1. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools Vol. IV*, University of Maryland Press (CD-ROM).
- * **Udovic, D., Hennesy, G., Goodwin, W. and Barber, J.** 1998. Demography v. 4.1. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools V.*, Academic Press (CD-ROM). [Also on BioQUEST VI (2001)]
- * **Udovic, D. and Goodwin, W.** 1998. Epidemiology v. 2.5. (Computer software and manual). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools V*, Academic Press (CD-ROM). [Also on BioQUEST VI (2001)]
- Udovic, D., and Coxwell, J.** 1997. Java Demography 1.0. Computer software. See Biology Software Lab web site (<http://darkwing.uoregon.edu/~bsl/>) (this version has now been superseded by v. 2.1 - see below)
- Udovic, D., T. Conlin and M. Felt.** 2001. Java Demography 2.1. Computer software and manual. See Biology Software Lab web site (<http://www.uoregon.edu/~bsl/>). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools VI*, Academic Press (CD-ROM).
- Udovic, D., T. Conlin and M. Felt.** 2001. Java Epidemiology 1.0. Computer software and manual. See Biology

Software Lab web site (<http://www.uoregon.edu/~bsl/>). In Jungck, J., Peterson, N. S., and Calley, J. (eds.) *BioQUEST: Quality Undergraduate Educational Simulations and Tools VI*, Academic Press (CD-ROM).

WORLD WIDE WEB MATERIALS

The Workshop Biology Project (<http://www.uoregon.edu/~udovic/WB>)

The Biology Software Lab (<http://www.uoregon.edu/~bsl/>)

SOME PUBLICATIONS BY OTHERS THAT FEATURE MY WORK

_____. 1995, Project Kaleidoscope Volume II. What Works: Resources for Reform

National Academies (Committee on Undergraduate Biology Education). 2002. Bio2010: Transforming undergraduate education for future research biologists. National Academy Press. Wash., D.C.

Marcus, D., E. B. Cobb, and R. E. Shoenberg. 1996. Lessons Learned from FIPSE Projects, III. Fund for the Improvement of Postsecondary Education. U.S. Department of Education, Washington, D.C. pages 103-112.

McEachron, D.L. and L. Finegold. 2000. Epidemiology—teaching the fundamentals. **American Biology Teacher** 62: 8-17.

Handelsman, J., S. Miller, and C. Pfund. 2007. Scientific Teaching. W. H. Freeman and Co. NY (p.26-27)