

**Education:** Biological Sciences, University of Buenos Aires, Argentina, "**Licenciatura**" (6-yr. degree), 1974; Marine Environmental Sciences, **M.Sc.** Marine Sciences Research Center (MSRC), State University of New York (SUNY) Stony Brook, 1979; Coastal Oceanography, MSRC, SUNY Stony Brook, **Ph.D.**, 1984.

**Appointments:** Research Professor, Institute of Marine and Coastal Sciences, Rutgers University, 5/2008-current; Adjunct Professor, Oceanography Dept. (1997-current), and Dept. of Biology (2002-current), Dalhousie University, Halifax; Senior Researcher Officer, Institute for Marine Biosciences (IMB), National Research Council (NRC), Halifax, Canada. 1/1998-3/2008; Adjunct Associate Professor, MSRC, SUNY Stony Brook, 1996-2004; IMB/NRC Associate Research Officer, 9/1996-12/1998; MSRC, SUNY Stony Brook, Associate Professor, 1994-1996; MSRC, SUNY Stony Brook, Assistant Professor, 1989-1994; MSRC, SUNY Stony Brook, Assistant Research Professor, 1986-1988; Natural Sciences Division, Southampton College, Long Island University, NY, Assistant Professor, 1984-1986; MSRC, SUNY Stony Brook, Adjunct Assistant Professor, 1984-1986; MSRC, SUNY Stony Brook, Postdoctoral Research Associate, 1/84-9/84; Division of Environmental Studies, National Atomic Energy Commission, Buenos Aires, Argentina, researcher, 1975-1977.

**Related Publications:**

- Mafra, L.L., **V.M. Bricelj**, J.E. Ward, 2008. Mechanisms contributing to low domoic acid uptake by oysters feeding on *Pseudo-nitzschia multiseriata* cells. II. Selective rejection. Aquatic Biol., in press.
- Bricelj, V.M.**, 2008. Factors controlling *Mercenaria mercenaria* populations in south shore bays of Long Island, NY. The Hard Clam Research Initiative. New York Sea Grant Institute publication, in press.
- Milke, L.M., **V. M. Bricelj**, C.C. Parrish, 2008. Biochemical characterization and nutritional value of three *Pavlova* spp. in unialgal and mixed diets with *Chaetoceros muelleri* for postlarval sea scallops, *Placopecten magellanicus*. Aquaculture 276:130-142.
- Bricelj, V.M.**, S. P. MacQuarrie, 2007. Effects of brown tide (*Aureococcus anophagefferens*) on hard clam, *Mercenaria mercenaria*, larvae and implications for benthic recruitment. Mar. Ecol. Prog. Ser. 331:147-159.
- Hofmann, E.E., J.M. Klinck, J.N. Kraeuter, E.N. Powell, R.E. Grizzle, S.C. Buckner, **V.M. Bricelj**, 2006. A population dynamics model of the hard clam, *Mercenaria mercenaria*: development of the age- and length-frequency structure of the population. J. Shellfish Res. 25(2): 417-444.

**Other Selected Publications:**

- Brun, N.T., **V.M. Bricelj**, T.H. MacRae, N.W. Ross, 2008. Heat shock protein responses in thermally stressed bay scallops, *Argopecten irradians*, and sea scallops, *Placopecten magellanicus*. J. Exp. Mar. Biol. Ecol. 358:151-162.
- Milke, L.M., **V.M. Bricelj**, C.C. Parrish, 2006. Comparison of early life history stages of the bay scallop, *Argopecten irradians*: effects of microalgal diets on growth and biochemical composition. Aquaculture 260: 272-289.

- Bricelj, V.M.**, L. Connell, K. Konoki, S. P. MacQuarrie, T. Scheuer, W. A. Catterall, V. L. Trainer, 2005. Sodium channel mutation responsible for saxitoxin resistance in clams increases risk of PSP. *Nature* 434: 763-767.
- Bricelj, V.M.**, S. MacQuarrie, R. Smolowitz. 2004. Concentration-dependent effects of toxic and non-toxic isolates of the brown tide alga *Aureococcus anophagefferens* on growth of juvenile bivalves. *Mar. Ecol. Prog. Ser.* 282: 101-114.
- Grizzle, R. **Bricelj, V.M.**, S.E. Shumway, 2001. Physiological ecology of *Mercenaria mercenaria*. Chapter 8 In: *Biology of the Hard Clam*. J. N. Kraeuter & M. Castagna (eds.), Elsevier Publ., New York, pp. 305-382 (invited contribution).

### **Synergistic Activities**

- Recognized as Top 10 Employer for 2006 by the undergraduate Science Co-operative Education Program at Dalhousie University, Halifax, Canada..
- Visiting CNRS scientist at the Laboratoire des Sciences de L'Environnement Marin (LEMAR, Marine Environmental Sciences Laboratory), Institut Européen de la Mer (IUEM, European Marine Institute), Technopole Brest Iroise, France, 9/2006-3/2007. Technology transfer, training of an undergraduate student and research on harmful algae and their effects on the bivalve immune system (hemocyte function)
- 2005 NRC-wide Outstanding Achievement Award for research excellence leading to 2005 *Nature* publication and 2003 IMB/NRC Outstanding Achievement Award for initiative and leadership in establishing an excellent shellfish research program at IMB/NRC.
- Nov. 2007. Co-chair and organizer of a session on “Managing Shellfisheries: Models, HABs and Other Current Issues” at the 2007 Estuarine Research Federation (ERF) conference, Providence, RI, USA.
- Member of the AquaNet NSERC National Centers for Excellence (NCE) Research Management Committee (RMC), 2004. Invited participant of a discussion panel of researchers and industry at the AquaNet Animal Production meeting, Fredericton, NB, June 2004, to set targeted priorities for shellfish research for the AquaNet program.
- Served on the Steering Committee for the 2nd US Harmful Algal Blooms (HABs) Symposium, Woods Hole, Dec. 2003. Invited to lead an evening discussion session on “HABs and Food Webs”.
- Consultant on management of shellfish toxins: Anderson D., P. Andersen, **V.M. Bricelj**, J. Cullen, J. Rensel, 2001. *Monitoring and Management Strategies for Harmful Algal Blooms in Coastal Waters*, APEC #201-MR-01.1, Asia Pacific Economic Program, Singapore and IOC Technical Series 59, Paris, 268 pp. <http://www.whoi.edu/redtide/page.do?pid=15078>

**Recent Collaborators and affiliations:** D. Anderson (WHOI), S. Bates (DF), S. Buckner (Islip Town), W. Catterall (Univ. of WA), L. Connell (Univ. ME), S. Ford (Rutgers Univ.), R.E. Grizzle (Univ. NH), E. Hofmann (Old Dominion Univ.), J. Klinck (Old Dominion Univ.), J. Kraeuter (Rutgers Univ.), C. Lambert (LEMAR/IUEM), T. Landry (DFO), J. McGillicuddy (WHOI), S. MacQuarrie (IMB/NRC), A. Mallet (Etaing Ruisseau Inc.), J. Martin (DFO), McRae (Dalhousie Univ.), C. Paillard (LEMAR/IUEM), C. Parrish (MUN), E. Powell (Rutgers Univ.), P. Rawson (Univ. of ME), P. Rawson (Univ. of ME), N. Ross (IRAP/NRC), T. Schauer (Univ. of WA), P. Soudant (LEMAR/IUEM), V. Trainer (NWFSC), E. Ward (Univ. of CT).

**Students, postdoctoral fellows:** N. Brun (Dalhousie Univ.), L. Mafra (Dalhousie Univ.), L. Milke (NMFS), F. Pernet (IFREMER, France), H. Robbins (Dalhousie Univ.), A. Robertson (NWFSC).