

Daniel J. Bisaccio

26 School Street
Troy, New Hampshire 03465

603/ 242-3243 (H)
401/863-3428 (W)
Email: Daniel_Bisaccio@Brown.edu

EDUCATION

1983 – 1984 Antioch New England Graduate School; M.S.T. Environmental Science
1982, Summer Colorado School of Mines; Graduate work / natural resources
1981, Summer Northern Arizona University; Graduate work / chemistry
1972 – 1976 St. Lawrence University; B.S. Geology & Biology; George Baker Scholar

EMPLOYMENT

2008 – present Brown University, Providence, RI
Director of Science Education
Director of Graduate Studies – Teacher Education
Clinical Professor/ Education Department

1991 –2008 Souhegan High School, Amherst, NH
Chair, Science Department
HabitatNet / Smithsonian Institution Monitoring & Assessment of
Biodiversity Program Coordinator

1990 – present Northeastern University, Boston, MA
Tropical Terrestrial Ecology (Panama) – Adjunct Faculty

1988 – 2003 Keene State College, Keene, NH
Geology – Adjunct Faculty

1986 – 1991 Thayer High School, Winchester, NH
Natural Science Teacher

1982 – 1986 Lawrence Academy, Groton , MA
Natural Science Teacher

1978 – 1982 Kent Denver Country Day School, Denver, CO
Natural Science Teacher

1976 – 1982 Perkiomen School, Pennsburg, PA
Natural Science Teacher

PROFESSIONAL ASSOCIATION MEMBERSHIPS

NH & RI Science Teachers Associations:

- * Served on Conference & Award Selection Committees
- * RI Science Education Leadership Committee / NGSS Adoption Committee

National Science Teachers Association:

- * Reviewed / commented on Scope, Sequence, & Coordination initiative
- * *Brandwein Ecology Fellowship*
- * Association of Presidential Awardees for Excellence in Science Teaching

National Association of Biology Teachers:

- * *Genentech Biotechnology Fellowship* – national teacher mentor program

American Geologic Institute:

- * Reviewer for EarthComm text

Troy Conservation Commission, Chairman

- * Wrote town wetland ordinance, developed local conservation programs for town youth and adults

AWARDS & ACHIEVMENT

2013	Keynote Speaker – MAST Conference @ Framingham State College
2009	Brandwein Ecology Medal
1999	Entomology Teacher of the Year (Entomology Society of America)
1997	Brandwein Institute Fellowship in Ecology
1996	TAPESTRY Grant Award (HabitatNet: Global Biodiversity Project)
1995	NH Teacher of the Year (Finalist)
1994	Christa McAullife Presenter: “Technology & Science”
1994	Access Excellence / Genentech Biotechnology Fellowship
1989	National Presidential Award for Excellence in Science Teaching
1989	Environmental Teacher of the Year; NH State Award
1989	Excellence in Earth Science Teaching Award; National GSA

Work Cited in Published Books / National Media:

“America’s Toughest Assignment: Solving the Education Crisis”; 1990
CBS TV News Special Documentary / Anchored by Charles Kuralt

Schools That Work: America’s Most Innovative Public Education; 1992
George Wood – Author

The Passionate Teacher; 1995 Robert Fried – Author

“Authentic Assessment”; NH Public TV / Knowledge Network

“Fixing Schools”; cover story for U.S. News & World Report (October 7, 1996)

HabitatNet: A Secondary School Project in the Yucatan; D. Bisaccio – 2003
Haworth Press, NY (Botany Dept.) University of California / Riverside

CURRENT BIOLOGICAL DIVERSITY RESEARCH PROJECTS

Project Director of HabitatNet & Smithsonian Institution MAB Field Sites at:

- * Bocas del Toro, Panama
- * Nuevo Durango, Quintana Roo, Mexico
- * El Eden Ecological Reserve, Quintana Roo, Mexico

PROFESSIONAL PUBLICATIONS, PRESENTATIONS

Refereed papers

Bisaccio, “**Study Skills: On taking notes**” The Heron Project <http://inventingheron.com/>;
<http://inventingheron.com/dan-2/> ; <http://inventingheron.com/note-taking/> April, 2014

Bisaccio, “**Common Core + Next Generation Science Standards = Leave No Child Inside**”
Pathways, NY State Journal of Outdoor Education, Fall 2013, pps 12-13
”<http://www.scribd.com/doc/186302962/Pathways-Fall-2013>

Revising the Economic Imperative for U.S. STEM Education , PloS Biology (January, 2014)

Brian M. Donovan,^{1*} David Moreno Mateos,² Jonathan F. Osborne,¹ Daniel J. Bisaccio³

Bisaccio, “**Full Contact Ecology**”, *MASTHEAD, Journal of Massachusetts Science Teachers*,
V.40, #1, September, 2012, p.21

Bisaccio, Toney, Pollen

“The Case of the Lobster Shell Disease”, *Science and Children*, NSTA, June, 2011

Bisaccio, Daniel

Education: “On Developing Engaging Science Curriculum
for Secondary Students: Doing science as science is done.”

British Journal of Arts and Social Sciences

ISSN: 2046-9578, Vol.7 No.II (2012)

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<http://www.bjournal.co.uk/BJASS.aspx>

October, 2011

Bisaccio, Daniel; Fifteen Years of HabitatNet at El Eden Ecological Reserve”

LaJornadaVeracruz::October,2012
<http://www.jornadaveracruz.com.mx/Documentos/ElJarochoCuantico/galeria/pdf/JarochoCuantico20.pdf>

Bisaccio, Daniel; “Full Contact Ecology”; Fall, 2012 Issue of Massachusetts Association of Science Teachers Journal

Book chapters

Bisaccio (August, 2010; revised 2014) “Youth Quick Guide to Biodiversity” - Chapter 1; Convention on Biological Diversity and Youth & United Nations Global Alliance

Externally Funded Projects

NSF – STEM: Summer STEM Teaching Experiences for Undergraduates from Liberal Arts Institutions (\$990,000 / yr. for 5 years) 2015 – 2020.

“Developing Professional Learning Communities in Science Education”
Co-PI – Bisaccio, Aizenman

Math @ Brown Summer High School
June – July, 2013 ; June- - July, 2014 ; June – July, 2015

To the Profession

- Named to Brandwein Ecology Institute’s National Board of Directors (October, 2011)
- Name to Blackstone Academy Charter School’s Board of Directors / School Board , Pawtucket, RI (December, 2011)
- Presented ELL strategies at International Conference – Habla; Merida, Mexico March, 2011
- Presented science education workshop at NSTA / Hartford, CT Convention (October, 2011)
- Presented HabitatNet research a National Coalition of Essential Schools Conference, Providence, R (November, 2012)

STEM initiatives: RITES Project – “Predator-Prey” Course
Rhode Island Technology Enhances Science
UMASS – Saturday Science Series for Educators: Faux Bird Nest Project; Uncovering Science Misconceptions

To the University

- Professional development seminars and workshops presented to on-campus organizations and professional development center: “Summer Science Education Lectures” @ The Science Center (July, 2010, 2011), “B.O.L.T.” (November, 2010, 2011 and April, 2012)
- On-going professional development to the NSF GK-12 program via curriculum development workshops for Ph.D. candidates.

To the Department

- Conducted meetings and a technology demonstrations for international visitors* (China, Turkey, Palestine*).
- Faculty Search Committee member (Chair: Director / Elementary Education – MAT); 2015; Director of History Education; 2012, 2015).
- Developed MAT video for website w/ BSHS students and currently developing a professional video with Brown Media Services to be used for recruitment efforts.
- Continued Brown University Education Department partnership with the National Coalition for No Child Left Inside initiative and continue role as Steering Committee member to RI Environmental Literacy Council.
- Developed / presented workshop for summer professional development seminar hosted for educators and administrators from Indiana by the Education Department.
- Presented at UEP and MAT recruitment fairs (on-going)

To the Community

- Presented “Animal Coloration” to Vartan Gregorian Elementary School students on their “Meet the Scientists Day” (June, 2010-14).
- Education outreach for the United Nations Environmental Program / Convention on Biological Diversity (ongoing).
- Member of newly formed Rhode Island Science Education Leadership Council (ongoing) developing STEM initiatives in RI.

- Member of the National Coalition for No Child Left Inside council (ongoing).

HabitatNet: A Global Biodiversity Program (Research & Education) * **Vulnerability of a tropical ecosystem to hurricane disturbance: simultaneous responses of complex biostructure; AMBIO – Spring 2009**

- * Center For Tropical Ecology & Conservation – Antioch/NE: October, 2003
Keynote Speaker for Tropical Ecology Connections Symposium
- * University of California, Riverside: “Lowland Maya Area Conference 1/01
- * American Institute of Biological Sciences National Conference: 3/00
- * Lead Teacher / Researcher for NSTA “Brandwein Summer Leadership Institute for ecology Teachers : 7/00
- * EarthComm, Contributor/ American Geological Institute TextBook, 2000

Technology Design for Curriculum Integration (1992 – 1995)

- * Massachusetts Institute of Technology / Draper Lab Avionics Conference
- * Christa McAulliffe Technology Conference
- * NH School Board Association Conference
- * NH Alliance for Technology Education

Integrating Environmental Science Across Disciplines (1991 –1999)

- * National Coalition of Essential Schools Conference
- * New England Environmental Educators Conference
- * Indiana State Educators Congress
- * Moscow State University, Russia : Science Education Conference

NH Department of Education Committees

- * NH Alternative Certification Committee 1993 - 2008
- * NH Science Assessment Committee 1994, 1995
- * NH Science Content & Standards Committee 1993, 1994
- * NH Mathematics Content & Standards Committee 1991,1992
- * State Science Teacher Awards Committee 1992, 1994, 1996

Published Curriculum for Educators

- “HabitatNet: A Global Biodiversity Program” , 1997
- “Evolution of Disease; Creating a Dichotomous Key”, 1995
- “Symbiosis and Co-evolution”, 1994
- “Interpreting Ecological History Through Fieldwork” , 1990
- “Stream Flow Dynamics and Sedimentation”, 1990
- “Tropical & Temperate Forest Curriculum Guide”, 1989

Current References will be sent upon request.

