

ANNUAL REPORT: June 1, 2010 – May 31, 2011
(i.e., Summer 2010, AY 2010-2011)
DEPARTMENT OF ENVIRONMENTAL AND FOREST BIOLOGY
SUNY-ESF

NAME: John D. Castello

I. INSTRUCTIONAL ACTIVITIES

1. Regular Course Offerings

	<u>Course No.</u>	<u>Title</u>	<u>Credit Hrs.</u>	<u>No. Students</u>	<u>No. of Lab. Sections</u>
SUMMER:	EFB 345	Forest Health (with S. Teale)	3	10	CLBS
	EFB 202	Ecological Monitoring/ Biodiversity Assessment (Team Taught)	3	75	CLBS
FALL:	EFB 303	Intro. Environmental Microbiology (with J.P. Nakas)	4	59	2
SPRING:	EFB 217	Peoples, Plagues, & Pests (with S.A. Teale)	3	159	0
	EFB 340	Forest & Shade Tree Pathology	3	48	3

NOTE: PLEASE INDICATE WHICH COURSE(S) HAD A SERVICE-LEARNING COMPONENT AND BRIEFLY EXPLAIN THE NATURE OF THIS COMPONENT. For examples of service-learning in courses, see: <http://www.esf.edu/students/service/courses.htm>. Service-learning is a form of structured experiential education in which students engage with the community to be active learners, to enrich their sense of civic responsibility, and to explore practical application for course content. Faculty oversight, reflective thinking, and reciprocity are key components of service-learning. EFB courses currently listed with service-learning components include: 416/6/1, 486, 518, 521, 532, 446/646.

2. Non-Scheduled Course Offerings (e.g., 496, 899, 999)

	<u>Course No.</u>	<u>Title</u>	<u>Credit Hrs.</u>	<u>No. Students</u>
	EFB 420	Internship in Forest Health	3	1 (J. West)
	EFB 494	Senior Synthesis in Forest Health	1	4
	EFB 495	Undergraduate Teaching Experience	3	2
	EFB 498	Independent Study	3	2

EFB 796	Forest Pathology Issues	3	1 (J. Holgerson)
EFB 899	Master's Thesis Research	5	1 (J. Cale)
EFB 999	Ph.D Research	7	2

3. Continuing Education and Extension (short courses, workshops, etc.) EFB 496

4. Guest Lecture Activities

<u>Course No.</u>	<u>Title</u>	<u>No. of Lectures</u>
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II. STUDENT ADVISING

A. Number of undergraduates for whom you are the student's official advisor 25 and unofficial advisor _____

B. Graduate Students: (Name, degree sought, starting date, month & year; if a degree was completed, please give date and full citation for the thesis or dissertation).

MAJOR PROFESSOR

Som Mukherjee (Ph.D., starting date 1/1/00)

Jonathan Cale (Ph.D., starting date 1/1/09, switched from MS to Ph.D program on 1/1/11)

CO-MAJOR PROFESSOR

None

MEMBER, STEERING COMMITTEE (other than those listed above)

Paul Bryant - S.A. Teale is major professor

Moses Cucura - S.A. Teale is major professor

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

None in past year

III. RESEARCH COMPLETED OR UNDERWAY

A. Departmental Research (unsupported, boot-legged; title - % time spent)

B. 1. Grant-supported Research (source, subject, amount - total award and current year, award period starting and ending dates; list graduate research assistants supported by each grant)

- Teale, S.A., Castello, J.D., Millar, J.G. 2009. Fungal attractants for *Sirex noctilio* and its parasitoids. USDA Forest Service. \$40,000. Start date: January 1, 2010. Duration: 1 year.

-M. Johnston (PI), J. Castello, and S.A. Teale (co-PIs). 2011-2013. Fresh taste from a stale pickle: An alternate perception of beech bark disease. McIntire-Stennis Research Grant. \$53,590 to commence in August 2011- August 2013. (Jon Cale is supported on this project).

2. Research Proposals pending (include information as in B.1., above).

3. Research Proposals submitted, but rejected (include information as in B.1, above)

IV. PUBLICATIONS (Full bibliographic citation, i.e., do not use "with Jones," or "Jones, et al."; please list only publications published, in press, or actually submitted during this reporting period --- **do not list manuscripts in preparation**).

A. Refereed Publications

-Castello, J.D. and Teale, S.A. (editors). 2011. Forest Health: An Integrated Perspective. Cambridge University Press, Cambridge, U.K. 392 p.

-Cale, J.A., Letkowski, S.K., Teale, S.A., and Castello, J.D. 2011. Beech bark disease: An evaluation of the predisposition hypothesis in an aftermath forest. Forest Pathology (in press).

-Cale, J.A., McNulty, S. A., Teale, S.A., and Castello, J.D. 2011 The impact of beech thickets on northern hardwood forest biodiversity. Can. J. For. Res. (in review).

-Mukherjee, S.S., Lough, T., Hopcroft, D.H., and Castello, J.D. 2011. New tomosviruses isolated from surface waters in New Zealand. Australasian Plant Pathology (in review).

-Mukherjee, S.S., Lough, T., Hopcroft, D.H., and Castello, J.D. 2011. Tobamoviruses isolated from the Pohangina river in New Zealand. Australasian Plant Pathology (in review).

B. Non-refereed Publications

- Cale, J.A., McNulty, S. A., Teale, S. A., and Castello, J.D. 2011. Beech thickets impact northern hardwood forest biodiversity. Journal of Forestry (abstract, in press).

C. Papers Presented at Science Meetings (give title, date, occasion, and location)

D. Public Service Presentations (lectures, seminars, etc. to and for the public; give group or occasion, date(s), and attendance)

V. PUBLIC SERVICE

A. Funded Service (include consulting activities)

1. Government Agencies (Federal, State, Local):

2. Industrial and Commercial Groups, etc.

B. Unfunded Service to Governmental Agencies, Public Interest Groups, etc.

VI. PROFESSIONAL DEVELOPMENT

A. Professional Honors and Awards (for teaching, research, outreach, etc.)

B. 1. Activities in Professional Organizations (offices held, service as chairman, member, participant or consultant)

2. Professional Society Membership

American Phytopathological Society

3. Other Professional Activities

a. Editorial activity

Journal (s)

Responsibility

Other (books, symposia, etc.)

b. Reviewer

Journal(s)

No. of manuscripts

Agency

No. of proposals

Other

c. Participation (workshops, symposia, etc.)

Name of workshop, etc.

Date

Place

C. Further Education/Re-training Undertaken, Leaves, Workshops, etc.

D. Foreign Travel (Where, When, Purpose)

VII. ADMINISTRATIVE AND SERVICE RESPONSIBILITIES (include committee participation)

A. Department-level

Associate Chair

Chairman of the departmental Promotion and Tenure Committee

Coordinator of the Forest Health major

Faculty coordinator of the 2011 departmental spring awards ceremony

Unofficial EFB faculty point person for departmental autoclave repair.

B. College-level

Chaired an *ad hoc* college-wide committee appointed by the Provost to develop a new undergraduate curriculum in Environmental Health, which was subsequently approved by ESF Faculty Governance and submitted to SUNY-Central for approval.

C. University-wide, including Research Foundation

VIII. SUMMARY OF SIGNIFICANT ACTIVITIES AND ACCOMPLISHMENTS DURING THIS REPORTING PERIOD, ESPECIALLY THOSE MOST NOTEWORTHY AND RELATIVE TO THE COLLEGE'S AND DEPARTMENT'S MISSION. One paragraph on each of the following would be most helpful: this past year, what have you done for our students, department/college, and self professionally? NOTE: The information in this section (along with the supporting specific information elsewhere in this report) should be your strongest case for being considered for a discretionary raise, which I'll continue to award based on your contributions to the department and college this reporting period.

I continue to work hard to enhance the Forest Health major within EFB, of which I am the coordinator. This past year (2010-2011), four students graduated from the major. Despite the losses to graduation, the major appears healthy. We now have approximately 12 students in the major preregistered for the fall semester 2011. EFB 494, a senior synthesis course for forest health majors, is now being taught. Enrollment in EFB 340, Forest and Shade Tree Pathology, has remained at around 50 students. Enrollment in EFB 345-Forest Health, at CLBS has maintained an enrollment of 8-14 students during the past 3-4 years as well. I attribute this increase to enhanced interest in Forest Health at ESF. Enrollment in 'Peoples, Plagues, and Pests ' (EFB 217) has remained constant with ~ 160 students this past semester.

Continue field and lab work on new BBD project

c. University, Professional society, and public service

Chair P/T Committee

Continue Associate Chair duties

3. Spring Semester 2012

a. Course(s) to be offered

EFB 217-Peoples, Plagues, and Pests with S.A. Teale

EFB 340-Forest and Shade Tree Pathology

b. Proposed research activity

Continue lab work on new BBD project

c. University, professional society, and public service

Continue P/T chair duties

Continue Associate Chair duties