

# Curriculum Vitae

## John Dickinson Tiftickjian Jr.

### Personal Data

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Delta State University  
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Personal web page: <http://www.doctortee.com>

### Education

B. S. , 1976, University of Florida, Gainesville, Major: Botany  
M. S., 1979, Washington State University, Pullman, WA, Major: Botany  
Ph. D., 1983, Washington State University, Pullman, WA, Major: Botany  
Dissertation: "Regulation of Sexual Reproduction in the Green Alga *Mesotaenium kramstai*"

### Academic Positions

Professor, Dept. of Biological Sciences, Delta State University, 1992-present  
Chair, Division of Biological and Physical Sciences, Delta State University, 2003-2007  
Associate Professor, Dept. of Biological Sciences, Delta State University, 1989-1992  
Assistant Professor, Dept. of Biological Sciences, Delta State University, 1984-1989  
Graduate Teaching Assistant, Dept. of Botany and Program in General Biology, Washington State University, 1977-1983

### Teaching Experience (Delta State University)

Principles of Biology (BIO 100/101)      General Botany (BIO 102)  
Cell Biology (BIO 300)                      Genetics (BIO 328)  
Plant Physiology (BIO 405/505)          Biology of Nonvascular plants (BIO 408/508)  
Plant Anatomy (BIO 410/510)

Web page with links to course materials: <http://www.doctortee.com>

### Professional and Research Interests

Physiology, morphology, and reproduction of green algae  
Angiosperm anatomy and physiology  
Development of educational technology  
History of biology

## Related Experience

Maintenance of living algae cultures for teaching labs and research  
Development of laboratory manuals for general biology, plant anatomy, plant physiology  
Proficiency with Apple Macintosh computers  
Proficiency with computer software including: spreadsheet, graphics, word processing, data base management, programming languages  
Development of student tutorial computer courseware  
Web development and web server administration  
Basic proficiency in UNIX system administration  
Herbarium database and website management

## Grants

Director Department of Education Title III grant “Increasing Student Success and Retention through the Transformation of Laboratory Science Instruction” 2008-2013, \$2,000,000  
NSF Grant “MRI: Acquisition of a Scanning Electron Microscope with EDS” 2013, \$200,000

## Professional Service

Academic advisor for biology and pre-health majors	1984-present
Department Promotion and Tenure Committee	2000-present
Department Safety Committee	2007-present
Faculty Advisor Alpha Epsilon Delta	2003-present
Delta State University Web Oversight Committee	2004-2010
Department Undergraduate Curriculum Committee	1984-present
Delta State University Research Committee	1985-89
Various Faculty, Dean, Provost Search Committees	
Abstracts Editor, Mississippi Academy of Sciences	1986-88
Journal Editor, Mississippi Academy of Sciences	1988-93
Board of Directors, Mississippi Academy of Sciences	1988-93
DSU Long Range Planning Committee	1990-91
Delta State University Faculty Senate	1990-92, Chair 1990-91 1995-99, Chair 1996-97
DSU Critical Thinking Across the Curriculum Committee	1991-93
Delta State University Academic Computing Committee	1998-1992
Delta State University Technology Advisement Committee	1996-2003
Delta State University Tenure Committee	2000-2003
Delta State University Banner Power Users committee	2010-present
Delta State University Safety and Environment committee	2011-present
Delta State University Merit Pay Appeals committee	2012-present
Delta State University Safety and Environment committee	2012-present
Delta State University Graduate Appeals Committee	2013-present

## Academic Honors

Graduated with honors, University of Florida, 1976

Dean's List, University of Florida, 1975

President's Honor Roll, University of Florida, 1975

## Professional Association Memberships

National Association of Advisors of Health Professions

Botanical Society of America

Mississippi Academy of Sciences

Mississippi Professional Educators

## Publications

Tiftickjian, J. D. 1994. A Student-Friendly Computer Simulation for Performing Genetics Experiments with *Drosophila melanogaster*. Journal of the Mississippi Academy of Sciences 39:78 (Abstract).

McEwen, M. K., Hayes, W A., and Tiftickjian, J.D. 1992. An integrative model for the relationship between critical thinking and teaching strategies with example applications. Presented at The Second National Conference on Instructional Applications of Critical Thinking.

Tiftickjian, J. D. 1989. Laboratory Outline for General Botany (unpublished)

Tiftickjian, J. D. and Rayburn, W. R. 1986. Nutritional requirements for sexual reproduction in *Mesotaenium kramstai* (Chlorophyta). Journal of Phycology 22: 1-8.

Tiftickjian, J. D. 1985. Effects of nitrate and divalent cations on sexual reproduction in the green alga *Mesotaenium kramstai* (Chlorophyta, Zygnematales). Journal of the Mississippi Academy of Sciences 30 (Suppl.):15.

Tiftickjian, J. D. 1983. Importance of magnesium and calcium in conjugation of *Mesotaenium kramstai*. Journal of Phycology 19 (Suppl.):4.

Tiftickjian, J. D. 1983. Nutritional factors influencing sexual reproduction in the green alga *Mesotaenium kramstai* Lemmermann (Chlorophyta, Zygnematales). Presented at the Northwest Scientific Association annual meeting.