

JOHN S. HOPPLE, JR.

CENTER FOR NATURAL SCIENCES
ITHACA COLLEGE
ITHACA, NEW YORK 14850
(607) 274 - 7052

EDUCATION

PH.D. (BOTANY) - Duke University, Durham, NC. May 1994
Doctoral Dissertation - Evolutionary Relationships in the Mushroom Genus Coprinus
(Inky Caps) based on Morphological and Molecular Evidence.

B.A. (General Biology) - Cornell University, Ithaca, NY. 1983

TEACHING POSITIONS HELD

ASSISTANT PROFESSOR - 2003-2007

LECTURER - 2002-2003

Ithaca College, Ithaca, New York

INSTRUCTOR - 2001-2002

Elmira College, Elmira, New York

TEACHER - 1994-2001

DEPARTMENT CHAIR - 1994-97

Harpeth Hall School, Nashville, Tennessee

TEACHING ASSISTANT -1992-94

Duke University, Durham, North Carolina

TEACHER - 1984-88

Shattuck-St. Mary's School, Faribault, Minnesota

TEACHER - 1984

Cincinnati Country Day School, Cincinnati, Ohio

TEACHING EXPERIENCE / COURSES TAUGHT

ENVIRONMENTAL BIOLOGY – lecture for non-majors semester length course in ecology and environmental science (2003-07)

BIOLOGY SEMINAR – organized and facilitated biology dept seminar series (Spring 2006, 2007)

RESEARCH IN BIOLOGY – oversaw student research in sustainable maple sugaring (Spring 2007)

PRINCIPLES OF BIOLOGY II – semester length for majors covering evolution, biodiversity, and ecology (Spring 2005)

ECOLOGY – labs in semester length course in ecology for majors (Fall 2005)

PRINCIPLES OF BIOLOGY I AND II - labs in semester long required majors course in introductory biology (2002-05)

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- FUNDAMENTALS OF BIOLOGY I AND II - labs in semester long service course in general biology (2002-04)
- HUMAN BIOLOGY - lecture and labs for non-majors semester length course in human biology (Elmira 2001)
- BIOLOGICAL WORLD - lecture and labs for non-majors semester length course in general biology (Elmira 2002)
- ADVANCED PLACEMENT BIOLOGY - lecture and labs for year-long elective course in general biology for high school juniors and seniors (HH 1994-2001)
- ECOLOGY / ENVIRONMENTAL SCIENCE - lecture and labs for year-long elective course in ecology and environmental science for high school juniors and seniors (HH 2000-2001)
- BIOLOGY - lecture and labs for year-long required course in general biology for high school freshmen (HH 1994-2001)
- EARTH SCIENCE - lecture and labs for year-long required course in earth science for eighth grade students (HH 1998-1999)
- VARSITY SOCCER - head coach for high school women's soccer program (HH 1994-1998) (Regional Champion 1996, State Semi-finals 1996 and 1997)
- VARSITY TRACK - assistant coach for women's track team (HH 1995-1996) (State Champion - 1995-1996)
- INTRODUCTORY BIOLOGY - lab for semester length required majors course in introductory biology (DU 1993)
- GENETICS - discussion sections for semester length required majors course in genetics (DU 1993)
- MICROBIOLOGY - labs for semester length elective course in microbiology (DU 1992,1994)
- LIFE SCIENCE - lecture and labs for year-long required course in introductory biology for seventh grade students (SSMS1984-1988)
- PHYSICAL SCIENCE - lecture and labs for year-long required course in introductory physics for eighth grade students (SSMS1984-1988)
- INTRODUCTORY PHYSICAL SCIENCE - lecture and labs for year-long required course in introductory chemistry for ninth grade students (SSMS 1984-1988)
- SOCCER - assistant coach for men's soccer team, coached junior varsity men's soccer team (SSMS 1984-88)
- TRACK - assistant coach for men's track team (SSMS 1984-88)
- DORM PARENT - seventh and eighth grade boy's dormitory (SSMS 1984-88)
- PHYSICAL SCIENCE - lecture and labs for semester length elective course in astronomy, meteorology, and general physics for high school juniors and seniors (CCDS1984)
- TRACK - assistant coach for men's track team (CCDS1984)

SELECTED COURSEWORK

DUKE UNIVERSITY - Plant Diversity; Plant Biosystematics; DNA, Chromosomes, and Evolution; Ecology of Fungi; Experimental Statistics for the Biological Sciences; Macroevolution; Mycology; Photosynthesis; Systematic Biology

CORNELL UNIVERSITY - biology (biochemistry, botany, ecology, genetics, neuroscience, plant evolution, plant physiology, psychopharmacology), astronomy, chemistry, geology, meteorology, physics

RESEARCH TECHNIQUES AND SKILLS

DNA sequencing, electron microscopy, evolutionary theory, fungal taxonomy, microbiological techniques, microscopy, radionucleotide techniques, restriction mapping

HONORS AND AWARDS

CURRICULUM DEVELOPMENT GRANT IN CONJUNCTION WITH THE NSF APPLYING SCIENCE TO SUSTAINABILITY – grant to incorporate sustainability into the lab sequence of Principles of Biology II (\$1,000 Su 2005).

MARGARET HALL FOUNDATION - wrote and received \$20,000 grant for Molecular Biology Center at Harpeth Hall (HH 1996)

NSCAA TN STATE COACH OF THE YEAR (Private Parochial - HH 1996)

NSCAA SOUTHERN REGION COACH OF THE YEAR (Private Parochial - HH 1996)

TENNESSEAN MIDSTATE COACH OF THE YEAR (Girls Soccer - HH 1996)

PLANT MOLECULAR BIOLOGY FELLOWSHIP - North Carolina Biotechnology Center (1988-1992)

PAUL J. KRAMER BOTANY FELLOWSHIP (DU 1988-1991)

NSF PRE-DOCTORAL DISSERTATION IMPROVEMENT AWARD (1991)

GRADUATE STUDENT FELLOWSHIP - Mycological Society of America (1991)

BEST ORAL PRESENTATION - Mycological Society of America (1990)

SIGMA XI GRANT-IN-AID OF RESEARCH (1990)

DUKE CENTER FOR INTERNATIONAL STUDIES GRADUATE TRAVEL AWARD (1990)

MERIT TEACHER AWARD (SSMS1986)

DEANS LIST (CU 1982)

SERVICE

SUSTAINABLY CONSCIOUS LIVING GROUP – FACULTY FELLOW – responsible for overseeing activities and academic programs for student residential living group (2005 – 2007)

BIOLOGY CLUB/TRI-BETA BIOLOGY HONOR SOCIETY - FACULTY ADVISOR – responsible for helping to guide student biology club/tri-beta through activities (2005 – present)

ACADEMIC TECHNOLOGY LIAISON – responsible for serving as liaison between department/faculty and ITS - (Fall 2005 – present)

SUMMER ADVISING – advise incoming freshman on coursework for 1st semester (Su 2005).

CNS SUSTAINABILITY – member of core group responsible for setting agenda for CNS Sustainability (2004 - 2006)

- Chairman of Seminar Committee – responsible for selecting, scheduling, and coordinating speakers to complement sustainability initiative within CNS

PRINCIPLES TASK FORCE - assisted in reviewing and developing curriculum in introductory biology course for majors (2003-2004)

HARNESSING SOLAR ENERGY - assistant sponsor of independent study to develop four photovoltaic projects in conjunction with Ecovillage at Ithaca (2004)

OUTDOOR PROGRAM SPONSOR - sponsored program involving experiential outdoor activities such as backpacking, whitewater rafting, rock climbing, backpacking, etc.(HH 1999 - 2001)

SCIENCE CLUB SPONSOR - developed and sponsored activities and trips to foster interest in science outside the curriculum (HH 1994-2001)

RECYCLING PROGRAM SPONSOR - developed schoolwide recycling program for paper, plastic, and aluminum (HH 2000-2001)

HABITAT FOR HUMANITY - assisted in building home in North Nashville (HH 2000)

RECYCLING PROGRAM - developed and instituted aluminum and newspaper recycling for middle school (SSMS 1984-1988)

WINTER CROSS COUNTRY SKIING - sponsored and implemented cross country skiing program for high school students (SSMS 1984-1985)

NATURE PROGRAM - Designed and implemented once a week nature program for fifth grade students (CCDS spring 1984)

VOLUNTEER NATURALIST (Cincinnati Nature Center, Cincinnati, OH.) - instructed elementary age students in natural history in an outdoor setting (fall 1983)

PROFESSIONAL DEVELOPMENT

INFORMATION TECHNOLOGY - attended workshops on use of WebCT (institutional class presentation software), HTML, and Dreamweaver (web design software) (IC 2003-2004)

TIMBER FRAMING - (Heartwood School, Washington, MA) – construction course for timber framing (2002)

CORDWOOD MASONRY CONSTRUCTION - (Earthwood School, West Chazy, NY) – design and construction course in cordwood masonry techniques (2001)

PERMACULTURE DESIGN COURSE - (Earthaven Ecovillage, Black Mountain, NC) - 1st half of certification course in permaculture design (1999)

ADVANCED PLACEMENT BIOLOGY - (Western Kentucky State University - Summer Institute) techniques and methods for teaching advanced placement biology (1994)

PUBLICATIONS

Mishler, B. D., P. Thrall, J. S. Hopple, Jr., E. De Luna, and R. Vilgalys. 1992. A molecular approach to the phylogeny of Bryophytes: cladistic analysis of chloroplast-encoded 16S and 23S ribosomal RNA genes. Bryologist 95(2):172-180.

Vilgalys, R., J. S. Hopple Jr., and D. Hibbet. 1994. Phylogenetic implications of generic concepts in fungal taxonomy: the impact of molecular systematic studies. Mycol. Helv. 6:73-91.

Hopple, J. S., Jr., and R. Vilgalys. 1994. Phylogenetic relationships among coprinoid taxa and allies based on data from restriction site mapping of nuclear rDNA. Mycologia 86:96-107.

Hopple, J. S., Jr., and R. Vilgalys. 1999. Phylogenetic relationships in the mushroom genus Coprinus and dark-spored allies based on sequence data from the nuclear gene coding for the large ribosomal subunit RNA: divergent domains, outgroups, and monophyly. Molecular Phylogenetics and Evolution 13(1):1-19.

Redhead, S. A., Vilgalys, R., Moncalvo, J.M., Johnson, J. and Hopple, J. S., Jr. 2001. Coprinus Pers. and the disposition of Coprinus species sensu lato. Taxon 50.

Hopple, J. S., Jr. 2004. The Phylogenetic Species Concept: an Empirical Example from Section Lanatuli of the Fungal Genus Coprinus. (in prep.)

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PRESENTATIONS

- Hopple, J. S., Jr. Phylogenetic relationships within the Genus Coprinus based on molecular and morphological evidence. Mycological Society of America. June 1990.
- Hopple, J. S., Jr. Phylogenetic investigations in the genus Coprinus. International Mycological Congress, Regensburg, Germany. August 1990.
- Hopple, J. S., Jr. Molecular evidence for phylogenetic relationships in Coprinus. Mid-Atlantic States Mycological Conference, Virginia Polytechnic Institute and State University, Blacksburg, Virginia. April 1991.
- Hopple, J. S., Jr. A species concept in the genus Coprinus section Lanatuli: integration of evidence from molecular, morphological, and intersterility studies. American Institute of Biological Sciences. August 1991.
- Hopple, J. S., Jr. Phylogenetic relationships in the genus Coprinus based on morphological and molecular evidence. American Institute of Biological Sciences meetings. August 1991.
- Hopple, J. S., Jr. Studies on Coprinus. Nordic Mycological Congress, Strathardle, Scotland. September 1991.
- Hopple, J. S., Jr. Phylogeny and characters. Mid-Atlantic States Mycological Conference, Penn State - Mont. Alto Campus. April 1992.
- Hopple, J. S., Jr. The Inky Cap Mushrooms. Triangle Area Mushroom Club. Durham, North Carolina. April 1992.
- Hopple, J. S., Jr. Phylogenetic relationships in the genus Coprinus based on sequence data from the nuclear gene coding for the large ribosomal subunit. American Phytopathological Society/ Mycological Society of America. August 1992.
- Hopple, J. S., Jr. Permaculture as an alternative to traditional systems of design. Harpeth Hall Earth Day Celebration. April, 1999.
- Hopple, J. S., Jr. Phylogenetic investigations in the genus Coprinus (Inky Caps): mating, molecules, and morphology. Ithaca College Biology Seminar Series. September, 2004.
- Hopple, J. S., Jr. Sustainability. Presentation to Ithaca College custodial staff. March 14, 2007.