

**New Jersey Academy of Sciences – Ecological Society of America
Program**



52 - University Hall (UN)

51 – Student Center

MAESA/NJAS MEETING APRIL 9, 2011

- AGENDA:
- 8:00 – 9:00: REGISTRATION
 - 9:00 – 9:30: WELCOME AND OPENING REMARKS
 - 9:30 – 9:45: BREAK
 - 9:45 – 12:00: SYMPOSIUM: ECOLOGICAL CONSEQUENCES OF GAS DEVELOPMENT IN THE MARCELLUS SHALE REGION
 - 12:00 – 1:30: BOX LUNCH AND BUSINESS MEETINGS
 - 1:30 – 3:30: ORAL PRESENTATIONS
 - 3:30 – 4:00: DISCUSSIONS, BREAK, POSTER SET-UP
 - 4:00 – 5:30: POSTER SESSION AND CASH BAR
 - 5:30 – 7:30: DINNER, AWARDS, EVENING SPEAKER

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SYMPOSIUM AGENDA:

DR. ROBERT HOWARTH, CORNELL UNIVERISTY: **"IS SHALE GAS REALLY A CLEAN FUEL?
ASSESSING THE GREENHOUSE GAS FOOTPRINT OF UNCONVENTIONAL NATURAL GAS."**

DR. MICHAEL JACOBSON - TBA

DR. JERRY MEAD - TBA

A DISCUSSION WILL FOLLOW ALL PRESENTATIONS

EVENING SPEAKER:

DR. MICHAEL WEINSTEIN, MONTCLAIR STATE UNIVERSITY: **"POWER GENERATION AND TIDAL
WETLAND RESTORATION: ODD BEDFELLOWS?"**

All presentations will be in either university Hall (#52 above) or in the Student Center (#51 above)

The presenter is indicated in bold.

Participant Talks – 1:30 to 3:30

Note time, topic, and location for talks.

Invasive species – Student Center 411/413

Time	Presenter	
1:30	MEYER, EUGENE R	Finding the spectrum from best to worst conditions: Can we rapidly detect recovery from damage by deer and exotic invasive plants in forested habitats?
1:45	ANNIS, ERIC R. , MEGHAN COULBOURNE, KATELYN HORN, KATIE GEIGER, MIRIAH STONE and MONCIE WRIGHT	Competitive displacement of crayfish species in the Monocacy River
2:00	WRIGHT, MONCIE , MIRIAH STONE, SARAH TENNEY AND ERIC R. ANNIS	Behavioral interactions of two invasive and one native crayfish in the Monocacy River
2:15	BREAK	
2:30	CONAWAY, MELISSA and ERIC R. ANNIS	Behavioral aggression interactions and aggression levels between juvenile <i>Orconectes rusticus</i> and <i>Orconectes virilis</i> .
2:45	TRIPATHEE, RAJAN and KARINA V.R. SCHÄFER	Ecophysiological study of native <i>Spartina alterniflora</i> and invasive <i>Phragmites australis</i> in a restored salt marsh of New Jersey, USA
3:00	CHRISTINA SOMAN , STEPHANIE C LEAR, MEIYIN WU	Invasive Plant Management using Hydorraking at the New Jersey School of Conservation
3:15		
3:30		

Urban ecology – Student Center 417

Time	Presenter	
1:30	BROWN, BRACKEN , BRAD NYHOLM, DAVID ROBERTSON, ALLEN BEDFORD, FREDRIK BRYNTESSON, SHERRI COOPER, DALLAS HENDRICKS , LAIRD KLIPPENSTEIN, and EUGENE POTAPOV	Moonlight and suburban white-tailed deer movements
1:45	KEARNEY, MIRANDA A. and WEIXING ZHU	Growth responses of three wetland plant species under single and multi-pollutant wastewater conditions
2:00	WADHWA, SAHIL and KARINA V.R. SCHÄFER	Effect of heavy metals on photosynthesis in <i>Betula populifolia</i> and <i>Populus deltoides</i> in contaminated urban brownfields, at Liberty State Park, New Jersey, USA
2:15	BREAK	
2:30	ALOISIO, JASON and JAMES, D. LEWIS	Productivity and plant diversity of naturally colonized green roofs in New York City
2:45	GREGORY A. DAHL, FRANK J. GALLAGHER , KARINA VR SCHÄFER and JASON C. GRABOSKY	Allometric relationships of <i>Betula populifolia</i> under conditions of soil metal induced stress
3:00		
3:15		
3:30		

Applied Ecology – Student Center 419

Time	Presenter	
1:30	HOWARD, LAUREN F	Community composition and fire dynamics of high-elevation pitch pine woodlands in northeastern West Virginia
1:45	BOUCHER, DOUGLAS H	The recent dramatic drop in Amazon deforestation and its importance for global warming
2:00	PARSEKIAN, ANDREW D. , LEE SLATER, KARINA V.R. SCHÄFER, AND DENNIS GRAY	Subsurface hydrologic controls on sensitive wetland ecosystems in the New Jersey Pinelands
2:15	BREAK	
2:30	DAVIS, JOHN B. , GEORGE ROBINSON and LORI CORNELL	A hexagonal grid layer for geographic information systems: Applications in ecological modeling and land-use planning
2:45	KELLER, JEFF	Energetic efficiency: optimal shape of territories with application to modeling species-habitat relationships
3:00	SCHMID, JAMES A	Marcellus Shale Gas Impacts on Pennsylvania Wetlands and Streams
3:15		
3:30		

Aquatic Ecology – University Hall Room 2048

Time	Presenter	
1:30	HOULIHAN, PETER	Reef accessibility and fishing: Analyzing the impacts of artisanal fishing on the fish diversity of Tanzania’s coral reefs
1:45	GILLESPIE, JAIMIE L. AND RIMA B.	Comparing microbial community structure and function in tidal freshwater wetlands of the Chesapeake Bay watershed in Virginia
2:00	FURRY, JOHN R. and RIMA FRANKLIN	Characterizing the distribution of planktonic fecal bacteria in the James River along an urban gradient in Richmond, Virginia
2:15	BREAK	
2:30	KENNISH, MICHAEL J., BENJAMIN M. FERTIG, AND GREGG P. SAKOWICZ	Biotic indicators of system eutrophy in the Barnegat Bay-Little Egg Harbor Estuary
2:45	BUESSER, MONICA and PAUL BOLOGNA	Population survey of <i>Chrysaora quinquecirrha</i> polyps in Barnegat Bay, New Jersey
3:00	MADSEN, MARIA AND PAUL A.X. BOLOGNA	Long term success of restored seagrass beds (<i>Zostera marina</i> and <i>Ruppia maritima</i>) in Barnegat Bay, NJ.
3:15	DIGLIO, LUKE and BOLOGNA, PAUL	Relict brook trout population assessment in the South Branch of the Raritan River headwaters, Mt. Olive, New Jersey
3:30		

Biogeochemistry – University Hall Room 2044

Time	Presenter	
1:30	MORRISSEY, EMBER , AMY JENKINS, BONNIE BROWN and RIMA FRANKLIN	Linking resource availability to the structure and function of microbial nitrate reducers in freshwater wetlands
1:45	BARBOOTI, MAHMOOD M. and HAIYAN SU	Optimization of oxytetracycline sorption from water onto iron modified montmorillonite using response surface design
2:00	MARKIEWICZ, BEATRICE , MILAN, MARIANA, ALEXEY TESLJA, GREGORY HALL, AND CHIH-HSUAN CHANG	Cavity Ring-Down Spectroscopy of Phenylacetylene
2:15	BREAK	
2:30	PINHANCOS, REBECA and DIL RAMANATHAN	High Resolution Mass Spectrometry for detecting, characterizing and quantifying pharmaceuticals in tap water
2:45	GOODEY, NINA M. , DELANEY, PAMELA, REN, YUFAN, ZUMBA, ALEXANDRA	Binding of dihydrofolate reductase from <i>G. stearothermophilus</i> to a panel of pharmaceutical drug molecules
3:00	MEHRDAD MASSOUDI, GIN SANCHEZ , ASHWIN VAIDYA	On the Transport of Biomass Materials
3:15		
3:30		

Molecular Biology – University Hall Room 2042

Time	Presenter	
1:30	MARNI S.CROW , ELISABETH MEMIN, MEGAN GENZALE and CARLOS MOLINA	Deregulation of the transcriptional repressor ICER by phosphorylation, Monoubiquitination and nuclear-cytosolic translocation in human prostate cancer.
1:45	GUERCIO, JENNIFER C. , TRICIA PRINCE, AND ELENA PETROFF	The role of pH in proliferation of cultured primary mouse glia and rat tumor cell line
2:00	DE OLIVEIRA, ALINE , SANDRA ADAMS, LEE LEE	Green tea extracts EGCG and LTP as novel approach to inhibit herpes simplex viral infections
2:15	BREAK	
2:30	BOBAK HAHJOO and LEE H. LEE	The Synergistic Effect of Modified Green Tea Polyphenols on Antiseptics and Antibiotics against the Growth of Potentially Pathogenic Bacteria
2:45	MONSEN-COLLAR, KIRSTEN , LISA K. HAZARD, RAKESH DUSSA AND PAOLA DOLCEMASCOLO	First documentation of the pathogenic fungus <i>Batrachochytrium dendrobatidis</i> (Bd) in New Jersey amphibians and their environments
3:00		
3:15		
3:30		

Education/Plant Biology - University Hall 2040

Time	Presenter	
1:30	WILLIAM J. CROMARTIE	Long-term ecology research in an introductory lab: What do students learn?
1:45	BIANCA BROWN, LAUREN CLARK, GAETANO MUSARELLA-CONTI, VICTORIA GARUFI, KARA GILMOUR, NIM LEE, ALLEN BURDOWSKI and KATHLEEN NOLAN	Using educational seining programs to enhance knowledge of aquatic biodiversity.
2:00	ADAMO, JOSEPH A. and MICHAEL A. GEALT	Microbes in space: A STEM program II
2:15	BREAK	
2:30	FAIVRE, AMY E. and CARL W. WEEKLEY	The role of pollen tube growth and pollen viability in the sexual reproductive failure of the federally endangered Florida ziziphus (<i>Ziziphus celata</i> Rhamnaceae)
2:45	ERIC WIENER , MICHAEL CLARK, MEGHAN FARRELL, KIMBERLY RODGERS, KIMBERLY CAMARGO, SHAWNA BURKE, STACI CAPOZZI, PAUL CORAGGIO, NICHOLAS SPOSATO, JAKE JONES, MATTHEW MCARDLE, MATTHEW RATAJCZAK and OWEN ZALME	Differences in forest dynamics across ridge sites in the New Jersey Highlands.
3:00	WUCHTER, CAITLIN and CAROLYN BERGMAN	Analysis of the microsatellites of <i>Carex kobomugi</i> Ohwi (Cyperaceae) from Island Beach State Park, Sandy Hook, and Long Beach Island, NJ, for the degree of genetic variation to determine reproduction mode.
3:15		
3:30		

POSTER #	PRESENTING AUTHORS	POSTER TITLE	TOPIC AREA
1	CARLSON, BRADLEY EVAN and TRACY LANGKILDE	Does spatial variation in prey resources influence morphological variation among subpopulations of eastern newts?	ANIMAL ECOL
2	MASHINTONIO, ANDREW, and GARETH RUSSELL	Detecting the presence of a den by modeling the home range behavior of brown bears.	ANIMAL ECOL
3	POTAPOV, EUGENE, BRACKEN BROWN, BRAD NYHOLM, DAVID ROBERTSON, ALLEN BEDFORD, FREDRIK BRYNTESSON, SHERRI COOPER, DALLAS HENDRICKS, and LAIRD KLIPPENSTEIN	Impact of snow cover on movements and habitat choice of suburban white-tailed deer.	ANIMAL ECOL
4	RATAJCZAK, MATTHEW, OWEN ZALME, MICHAEL NEWHOUSE, and ERIC WIENER	Microhabitat use by songbirds on a capped landfill during three autumn migration seasons.	ANIMAL ECOL
5	MYERS, ABIGAIL C. , LINDSEY NOELE SWIERK, and TRACY LANGKILDE	Male fence lizards use female behavior and size to choose a mate.	ANIMAL ECOL
6	CHARBONNIER, JULIE, TOBIAS LANDBERG, and JAMES VONESH	Tadpole density changes the relationship of red-eyed treefrog morphology and jumping performance	ANIMAL ECOL
7	SHERWOOD, NATALIE, and MEIYIN WU	Criteria for habitat selection by wood turtles (<i>Glyptemys insculpta</i>) in New Jersey.	ANIMAL ECOL
8	DAWLEY, ROBERT M., JAMES KELLY, CARINA BROWN, LINDSAY LYNCH, JULIE BALKO, and ELLEN M. DAWLEY	Differential use of forest and field habitat by the White-footed Mouse, <i>Peromyscus leucopus</i> .	ANIMAL ECOL
9	LOGIUDICE, KATHLEEN, SUZANNE OSTROW, MARIA CAMPANO*, NICHOLAS HOBERMAN, and KATHLEEN O'CONNOR	Possible interactions between intestinal parasites and tick feeding success in <i>Sciurids</i> .	ANIMAL ECOL
10	JONES, ASHLEY L., KELSEY E. FISHER, CARLEE A. MOIR, KELLY L. HY, KATHERINE R. GOODRICH, JANICE L. KRUMM	Impact of host plant species on larval success of <i>Epimecis hortaria</i> .	ANIMAL ECOL
11	CURTIS, RACHEL, ANDREW BARTLOW, PETER DOMBROSKI, GINA ROBINSON, and MICHAEL A. STEELE	Using radio telemetry to investigate secondary dispersal of acorns by small mammals.	ANIMAL ECOL
12	FERTITTA, MEGAN, CHIKA AKPARANTA, PAUL FOUROUNJIAN, JOANNA SBLENDORIO, AMANDA DIBARTOLO, and JANET A. MORRISON	Measuring white-tailed deer pressure and density in suburban/exurban forests	ANIMAL ECOL
13	BARTLOW, ANDREW, MICHAEL KACHMAR, NATHANEAL LICHTI, ROBERT K. SWIHART, JEFFREY STRATFORD, and MICHAEL A. STEELE	Selective dispersal of smaller acorns by blue jays: The effects of multiple prey loading.	ANIMAL ECOL
14	DORFMAN, D., and K. SEIVERD.	An Analysis of Fish Cerebrospinal Fluid	ANIMAL ECOL
15	DORFMAN, D., and K. SEIVERD.	Fish Decomposition: External Appearance	ANIMAL ECOL
16	SEIVERD, K., and D. DORFMAN	Problem Solving Behavior Of Giraffe (<i>Giraffa camelopardalis</i>)	ANIMAL ECOL
17	DORFMAN, D., and K. SEIVERD	Some Blood Characteristics Of Small Birds	ANIMAL ECOL
18	BUCHANAN, SCOTT W, and LISA C HAZARD	Radiotelemetry of the eastern hognose snake (<i>Heterodon platirhinos</i>) at Cape Cod National Seashore.	ANIMAL ECOL

19	KWASEK, KRISTEN	Behavioral Responses of the Eastern Newt to Road Deicers	ANIMAL ECOL
20	HAZARD, LISA and S. GERGES	Behavioral aversion of <i>Ambystoma maculatum</i> to road deicers: Are alternative deicers really more “environmentally friendly”?	ANIMAL ECOL
21	CASTELLANO, CHRISTIE , STEPHANIE C. LEAR, RACHEL BUECHLER, and PAUL A.X. BOLOGNA	Survey of sea grass community structure in a UNESCO Biosphere Reserve	AQUATIC ECOL
22	BROSSMAN, KELLY HELENE , BRADLEY EVAN CARLSON, LINDSEY NOELE SWIERK, and TRACY LANGKILDE	A tail of two newts: Aquatic tail size carries-over but does not impair terrestrial locomotion in eastern newts (<i>Notophthalmus v. viridescens</i>).	AQUATIC ECOL
23	COULBOURNE, MEGHAN , KRISTIN AQUILINO, and JAY STACHOWICZ	Effects of algal diversity on lined shore crab preference and performance	AQUATIC ECOL
24	GONZALEZ, JARYDA AILEEN , JIKAI XU, ARIELL HOPKINS, and PAUL BOLOGNA	<i>Diadema antillarum</i> Phillipi size frequency	AQUATIC ECOL
25	MEJIA, MERARI , MARCO FINOCCHIARO, FARJANA HUQ, and TIMOTHY MCGULLAM	Migration of zooplankton	AQUATIC ECOL
26	HABINA, GABRIELLE , ALEXA HASSELMAN, JOSE BAZAN, and SOPHIA HERNANDEZ	Fish and decapod diel distribution within mangrove and seagrass habitats in St John	AQUATIC ECOL
27	SULESKI, ANTHONY AND PAUL A.X. BOLOGNA	Floral demography of seagrass beds in St. John USVI	AQUATIC ECOL
28	LEAR, STEPHANIE , BEN ONDIMU, MEIYIN WU and LEE H. LEE	Development of a rapid method for detection of bloom-forming cyanobacteria and algae in selected New Jersey waterbodies	AQUATIC ECOL
29	CALLANAN, JENNIFER, WILLIAM FRAZIER , KIMBERLY SNYDER, and CHAD REINERTSEN	Field & laboratory investigation of fire influenced chlorite weathering in an inceptisol.	BIOGEOCHEM
30	QIAN, YU , HUAN FENG, MEI-YIN WU, FRANK GALLAGHER, RYAN TAPPERO, and MICHAEL MICHAELIDES	Micro-scale measurement of metal distribution in plant roots and sediments in rhizosphere	BIOGEOCHEM
31	SOOKHDEO, CHRISTINE , and DANIEL DRUCKENBROD	Effect of forest age and past land use on organic carbon content of Mount Vernon, VA soils	BIOGEOCHEM
32	DIMURO, VICTORIA , HIREN KORAT, RUSS O’CONNELL, ROBERT CASANI, ANTHONY SCIMONE, and ANGELINA SCIMONE	Synthesis and melting point trends of 1,1,1-tris(lauroyloxymethyl)ethane, 1,1,1-tris(myristoyloxymethyl)ethane, and 1,1,1-tris(palmitoyloxymethyl)ethane.	BIOGEOCHEM
33	LOUGHNANE, ANDREW , TRANG PHUNG, CRISTINA SINANAN, RORY VANDER VALK, ROBERT CASANI, ANTHONY SCIMONE, and ANGELINA SCIMONE	Synthesis and melting point trends of Lauroyl, Myristoyl, and Palmitoyl mixed triesters of 1,1,1-tris(hydroxymethyl)ethane.	CELL AND MOLEC
34	WILLIAMSON, KANDACE A. , JENNIFER M. HOWLAND, STEPHANIE D. CALABRESE, and LAURA H. TWERSKY	Selected dietary factor combinations and rate of cleavage in <i>Xenopus laevis</i> (clawed frog).	CELL AND MOLEC
35	PATEL, DIPIKA B. , and CARLOS A. MOLINA	Transcriptional regulation of the putative tumor suppressor ICER	CELL AND MOLEC
36	CHOI, SUNG , NATALI VICENTE, MICHELLE HERNANDEZ, and ANN MARIE	Study of pH and Proliferation on Pulmonary Fibroblasts after Exposure to Market Street	CELL AND MOLEC

	DILORRENZO.	World Trade Center Particulate Matter	
37	AMENT, CAITLIN M., and CARLOS A. MOLINA	Cloning and characterization of the promoter for the ovarian-specific Inhibin Alpha gene form zebrafish (<i>Danio rerio</i>)	CELL AND MOLEC
38	CAMPANELLA, JAMES J., WALTER AMOAH, YUNMIN NAMM, JOHN V. SMALLEY, and SANDRA ADAMS	A phylogenetic study of the Togaviridae and Flaviviridae families using whole genome/proteome analysis.	CELL AND MOLEC
39	SCHÄFER, KARINA VR	Canopy stomatal conductance under drought, disturbance and death	DISTURBANCE
40	STELACIO, MARIA A., AND LAUREN F. HOWARD	Fire and the development of high-elevation pitch pine communities in northeastern West Virginia	DISTURBANCE
41	KLEMOW, KENNETH M., PAUL ALLEN, DAVID KIRSCHTEL, KATHLEEN SHEA, TERESA MOURAD, and ARTURO HERRERA	EcoEd Digital Library: Supporting innovative undergraduate ecology education through peer-reviewed collections and data discovery.	EDUCATION
42	SPERGER, COURTNEY, BRITTANY MALONEY, and KENNETH M. KLEMOW	Developing a podcast trail guide for Nuangola Bog, Luzerne County, PA	EDUCATION
43	BOWARD, EMILY S., and SUSAN L. CARNEY	Characterizing microsatellite DNA diversity of rusty crayfish in Maryland.	INVASIVES
44	STONE, MIRIAH, and ERIC R. ANNIS	Species composition of crayfish populations in the Monocacy River	INVASIVES
45	DUCHAK, THOMAS and CLAUS HOLZAPFEL	The relative abundances of native and non-native emydid turtles across an urban to rural habitat gradient in central New Jersey.	INVASIVES
46	BADIN, CAROL, BARTLING, SAMANTHA, PIERRE, JULIE, ROQUE, XAVIER, and PECOR, KEITH	The effects of exotic crayfish on arthropod community structure in a New Jersey stream.	INVASIVES
47	ZYMARIS, CATHERINE and JANET A. MORRISON	Herbivory and disease symptoms in non-native, invasive plants co-occurring in the deciduous forest herb layer: garlic mustard, Japanese stilt-grass, and Norway maple.	INVASIVES
48	AKPARANTA, CHIKA, MEGAN FERTITTA, JOANNA SBLENDORIO, PAUL FOUROUNJIAN, and JANET A. MORRISON	Competition and simulated herbivory in two co-invasive, non-native plants of the mid-Atlantic forest: garlic mustard and Japanese stilt-grass	INVASIVES
49	MCCORMACK, MICHAEL J. and DANIEL DRUCKENBROD	The relationship forest cover and topography through time at Mount Vernon	MGMT/APPLIED
50	SHEIKH, MUSHHOOD and, KENDALL MARTIN	Optimization soil bacteria community analysis to study alternatives to methyl bromide (MeBr) for soil disinfestations.	MICROBIOLOGY
51	JANICA, SHARDEE, and LESLY GENTLES	STUDY OF THE COMBINATION EFFECTS OF Selenium AND Zinc ON <i>Anacystis nidulans</i>	MICROBIOLOGY
52	GUERRERO, DANIEL, NICHOLAS ABOLAFIA, KIRYAKO MUTAFOPULOS, THOMAS MARLOWE and MITRA SHOJANIA FEIZABADI	The role of the contact rate in the SIRC model	PHYSICS
53	NEWBY, MICHAEL, and MITRA SHOJANIA FEIZABADI	Econophysics: dynamic of the Pareto index investigated with recent U.S. data	PHYSICS
54	OTU, MANYE, JIMMY BARRIENTOS, KIRYAKO MUTAFOPULOS, CARLY WINTON, and MITRA SHOJANIA FEIZABADI	Polymerization of HeLa Cell tubulin	PHYSICS

55	BICHO, BRIANNA , VANESSA PINHEIRO, CHRISTOPHER REEHIL, and MITRA SHOJANIA FEIZABADI	Dynamic of avian influenza in humans	PHYSICS
56	BANNISTER-LIEKENS, ANN	Measuring meteorite properties	PHYSICS
57	RIESZ, TIMOTHY	Measurment of the lifetime of charged muons in cosmic rays	PHYSICS
58	ROSSI, MATTHEW , and GARRETT NIEDDU	Quasar color variations in outbursts	PHYSICS
59	DAVIES, LISA, IDALI RIOS , and MARY G. EGAN	POLLEN ANALYSIS OF LAKE SEDIMENT OF LAKE WAPALANNE AT THE NJ SCHOOL OF CONSERVATION	PLANT ECOL
60	RENNINGER, HEIDI , and KARINA V.R. SCHÄFER	Comparison of heat balance (Cermak) and thermal dissipation (Granier) sap flow measurements in ring-porous oaks and a pine species	PLANT ECOL
61	XIANFENG, YI , RACHEL CURTIS, ANDREW BARTLOW, SALVATORE AGOSTA, and MICHAEL A. STEELE	Elongation of cotyledonary petiole allows chestnut oak acorns to escape predation of rodents.	PLANT ECOL
62	CHOJNACKY, DAVID C	Estimating biomass of down woody materials for U.S. forests from FIA data.	PLANT ECOL
63	VERNA, DANIELLE , and TIMOTHY SIPE	Forest growth responses to climate over different types of bedrock in southeastern Pennsylvania	PLANT ECOL
64	FAIVRE, AMY E., LEIA EPSTEIN, MEHVEEN R. QURESHI, and AMANDA ROCKLYN	Temperature effects on out-crossed pollen tube growth in flowers of Christmas cactus (<i>Zygocactus</i> sp.) and testing for self-compatibility	PLANT ECOL
65	MAZZA, HEATHER , ANTUNES NATACHA, and ALICE M. SHUMATE	Response of the indigenous forest community to range expansion by a forest pest:	PLANT ECOL
66	PARAG, HADAS A. , FRANK GALLAGHER, and CLAUS HOLZAPFEL	Biodiversity as a goal? Semi-natural assembly of restored upland vegetation.	RESTORATION
67	PLANK, KIMBERLY , TINGMIN WU, SAHIL WADWHA, EDWARD KIRBY, and CLAUS HOLZAPFEL	Clonal diversity and resistance to invasion in remnant salt marsh patches	RESTORATION
68	LLOYD, MICHAEL , ROBERT K. BURNETT JR., KATHARINA A. M. ENGELHARDT, and MAILE C. NEEL	Genetic diversity and population structure of <i>Vallisneria americana</i> in the Chesapeake Bay: Implications for restoration	RESTORATION
69	HAAS, MATTHEW , GEORGE SWOREN, ANTHONY CHEEHAN, and KENNETH M. KLEMOW	Inhibition of woody colonization on a reclaimed anthracite mine: Seed rain and seed bank dynamics.	RESTORATION
70	CLOCK, MEGAN E. , PEDDRICK WEISS, FRANK J. GALLAGHER, and CLAUS HOLZAPFEL	Trophic transfer of heavy metals and avian feeding ecology in an urban brownfield	URBAN ECOL
71	SCOTT, TIMOTHY , STEPHANIE CRAIG, and WEIXING ZHU	The Effects of Simulated Nitrate and Salt Deposition on Soil Nitrogen Mineralization in a Roadside Ecosystem	URBAN ECOL
72	RONDON, JULIAN , MICHAEL NEWHOUSE and CLAUS HOLZAPFEL	Urban green spaces: traps or havens for migratory birds?	URBAN ECOL
73	HAINES, CAROLYN , FRANK GALLAGHER, and CLAUS HOLZAPFEL	Artemisia vulgaris control methods without the use of broadcast herbicides.	URBAN ECOL