

Poster Session Graduate Research Conference

Last	First	Major	Title	Easel
Adams	Travis	Civil Engineering	Dynamic Response Monitoring of a Vertical-Lift Truss Bridge	28
Aghababaei Shahrestani	Mina	Civil Engineering	Life cycle assessment (LCA) of current urine diversion practice by the Rich Earth Institute (REI)	29
Anderson	Mick	Music: Musicology	Mouse: Film Screening + Q&A	77
Angelini	Gabriella	Genetics	Protein Phosphatase 2A Regulates Root Response to Salt Stress in Arabidopsis thaliana via a Cytoskeleton-Dependent Mechanism	62
Ardeljan	Milan	Mechanical Engineering	Explicit Modeling of Twin Lamellae in AZ31 Using a Crystal Plasticity Finite Element Approach	70
Atwood	Lesley	Nat Resrces & Envirn Stdy	Effects of soil functional zonal management and cover crops on soil faunal communities in annual row-cropping systems	47
Bagheri	Mahdi	Physics	An investigation of the possibility of detecting gamma-ray flashes originating from the atmosphere of Venus	144
Barden	Daniel	Chemical Engineering	lipid and block-copolymer membranes through the use of molecular dynamics (MD) simulations	19
Baril	Erika	Education:Child & Youth Comm	Working With Families in Early Intervention: The Influence of Educator Professional Preparation	56
Basu	Himadri	Electrical&Comp Engineering	Cooperative Output Regulation of Multi-agent Systems under Incomplete Exosystem Measurement	60
Benson	Stephenie	Communication Sci & Disorders	GEMSS: Family-Centered and Collaborative Care	134
Biles	Drummond	Mechanical Engineering	Development of the NEAT Boundary Layer Wind Tunnel	71
Bishop-Saucier	Jennifer	Lend Program	HB 648: A Bill's Journey to the New Hampshire House Floor	117
Blandina	Alexander	Psychology	Fair consumer-brand relationships: Analysis of combined effects toward increased consumer trust	93
Blazon	Maxwell	BSCI:Integrative&Organis mal	CaV2.2-dependent transmitter release in the BLA	9
Borghei	Amin	Civil Engineering	Experimental evaluation of two-stage scaling in physical modeling of soil-foundation-structure systems	129
Bourque	Emily	Lend Program	NH-ME LEND: Inclusion in Schools	118
Branscomb	Scott	Secondary Education	The Impact of Student Decision on Fostering Student Engagement	112
Brasley	Erica	Psychology	Effects of Mediodorsal Thalamic Lesions on Prefrontal Neurons in Awake, Behaving Rats	94
Broadbent	Dante	RMP:Recreation Admin	What Problems Keep Students From Being Active & How Some Students Overcome Them	108
Bunda	Alexandra	BSCI:Integrative&Organis mal	Alternative splicing of CaV2.2 pre-mRNA influences cued fear conditioning	10
Bunda	Alexandra	BSCI:Integrative&Organis mal	Investigating the role of alternative splicing of CaV2.2 pre-mRNA and its influence on monoamine release	11
Buono	Alicia	Lend Program	Institute on Disabilities' Inclusive Communities Project: Expanding the Impact of Documentary Film by Improving Social Media Strategy and Infrastructure	119
Camilleri	Kaitlin	Psychology	Training Parents in Elaborative After-School Conversation: Effects on Kindergartners' Memory for a Biology Lesson	95
Cao	Yuanyu	Genetics	Genetic diversity and differentiation of Porphyra umbilicalis by snp markers from RNA seq	136
Chan	Jonathan	Biochemistry	The Role of Adenylate Cyclase in Cnidarian Phototransduction	1
Cho	Eunsang	Civil Engineering	Impact of Tile Drainage on Soil Drying Rates using Satellite-based Soil Moisture Records	130
Cloutier	Alyssa	Communication Sci & Disorders	Mapping the System of Care for Children who are Deaf and Hard of Hearing	35
Coleman	Rachel	Public Policy	2016 Annual Disability Statistics Compendium – Disability Prevalence and Highlights	107
Constance	Michael	Lend Program	Finding and Maintaining Quality Direct Support Professionals: Using data to support a rate increase and additional training for direct support professionals.	120
Cook	Salme	Oceanography	Tidal energy dissipation in three estuarine environments	90
Cooper	Lynne	Natural Resources Poster	NRESS Program Poster	43
Cox	Katherine	Social Work	Race and income disparities in disaster preparedness in old age	113
DeCarlo	Christopher	Civil Engineering	EFFECT OF EXTENDED AGING ON ASPHALT MATERIALS CONTAINING RE-REFINED ENGINE OIL BOTTOMS	30
DelGreco	Jessica	Earth Sciences	Characterization of Vegetation Change in an Arctic Mire Using Remotely Sensed Imagery	40
Demers	Jennifer	Psychology	Disclosure on Campus: Telling Others about Sexual Assault, Intimate Partner Violence, and Stalking	96
DeVolder	Greta	Occupational Therapy	Developing Youth Peer Support Specialist Training Curriculum	87

Poster Session Graduate Research Conference

Dhagat	Shilpa	Computer Science	A study on performance of different serverless clouds.	37
Diaz	Krystalle	Microbiology	Identifying Bacterial Associates of Benthic Meiofauna in the Gulf of Mexico	74
DiBona	Christopher	Chemistry	pH dependent optical and electronic properties of a squid pigment	23
Dinneen	Sean	Chemistry	Color Richness in Cephalopod Chromatophores Originating from High Refractive Index Biomolecules	24
Duback	Victoria	BSCI: Integrative & Organismal	Localization of circadian clock neurons and determination of diel gene expression in the marine mollusk, <i>Melibe leonina</i>	12
Dubuque	Lauryn	Lend Program	Improving Early Childhood: Components of a Quality Early Childhood Education Program	121
Dwyer	Linnea	NatRsrc: Environmental Consvtn	Sampling Simulations for Assessing the Accuracy of U.S. Agricultural Crop Mapping from Remotely Sensed Imagery	78
Elliott	Korth	Biochemistry	The effects of high concentrations of ionic liquid on protein structure and dynamics probed by HR-MAS NMR	2
Ennis	Nathaniel	Microbiology	Metagenomic Analysis of Stone-Dwelling Actinobacteria of Ancient Tunisian Ruins	75
Erickson	Joy	Education	instructional literacy practices and perceptions in a thematic summer camp setting	54
Evans	Alexandra	Earth & Environmental Sci	A pre- post- investigation of sediment and river channel dynamics during a dam removal in the coastal zone	44
Ewert	Anne	BSCI: Integrative & Organismal	Poison Produce? The role of water and aerosols as pathways for the cyanotoxin microcystin from lakes to foods	13
Fabian	Zalan	Electrical Engineering	Coordination of Leader-Follower System with Time-Varying Objective Function	57
Foden	Edward	Social Work	Wilderness Therapy: Impact on Family Functioning	114
Fosher	Holly	RMP: Recreation Admin	Understanding and Improving Trail Awareness: A Statewide Effort	109
Francoeur	Miranda	Psychology	Rat prefrontal cortical neurons reflect manipulations of stimulus properties signaling reinforcement	97
Fraser	Benjamin	Natural Resources	Unmanned Aerial Systems (UAS) Advanced Visualization and Photogrammetry	83
Galipeau	Laurissa	Lend Program	New Hampshire's Healthy Families America (HFA) Program: Rural Versus Urban Community Networks	122
Genthner	Deborah	Lend Program	Connecting Families to Supports and Services for Children with Special Health Care Needs: "Maneuvering Through the Maze"	123
Ghorbanpour	Saeede	Mechanical Engineering	Polycrystal plasticity modeling of tensile, compressive, and cyclic behavior of direct metal laser sintered IN718 superalloy	138
Grybas	Heather	Nat Resrces & Envirn Stdy	A Comparison of Unsupervised Segmentation Parameter Optimization Approaches Using Moderate- and High-Resolution Imagery	48
Gutierrez Lopez	Jose	Nat Resrces & Envirn Stdy	Validation of heat pulse and heat dissipation sap flow sensors in <i>Eucalyptus grandis</i>	139
Hapke	Laura	RMP: Therapeutic Rec Admin	Exploring the Vocational Identity Development of Students with Intellectual and Developmental Disabilities	105
Hausken	Krist	Biochemistry	Glycoprotein Hormone Receptor Expression in Larval, Postmetamorphic, and Adult Sea Lamprey	3
Healy	Christine	NatRsrc: Wildlife & Cons Biology	Spatial Analysis and Modeling of Moose Home Range in Relation to Winter Tick Epizootics in New Hampshire and Maine	82
Heim	Eric	Earth Sciences	chemical properties and distributions from both Anthropogenic and Natural sources.	41
Henry	Jessica	Chemistry	HILIC-MS/MS Method Development for the Analysis of Paralytic Shellfish Poisoning Toxins in Shellfish Harvested from the New Hampshire Coastline	25
Herndon	Henry	NatRsrc: Environmental Consvtn	Collaboration in Energy Policy Making: The Evolving Regulatory Role of the New Hampshire Public Utilities Commission	79
Himlin	Lorelei	Psychology	A Comparison of Perceived vs Actual Knowledge Gained from Participation in a Relationship Violence Intervention Program	98
Hosseini Shakib	Iman	Civil Engineering	Dam Risk Assessment under Climate Change	31
Hou	Shujie	Chemical Engineering	Bactericidal surface chemistry that enhances implant biointegration	20
Hughes	Kerri	Early Childhood: Special Needs	NH Shared Professional Early Childhood Core Competencies	39
Humberston	Josh	Oceanography	evolution of shoals on ebb tidal deltas using long term X-band radar observation from RIOS	143
Ineson	Katherine	Nat Resrces & Envirn Stdy	Little brown bat population ecology in the Northeast	49
Jacobs	Rhiannon	Chemical Engineering	Characterizing RNA dynamics using structure-based models	21
Kelley	Donovan	Psychology	The Effects of Race on Perceptions of Police Officer Eyewitness Credibility	99
Khalkhali	Masoumeh	Civil Engineering	Modeling Water Supply and Hydropower Generation Tradeoffs of the Massachusetts Water Resources Authority	131
Koenig	Lauren	Nat Resrces & Envirn Stdy	Response of metabolism and fluvial carbon flux to anomalous low flows in New Hampshire streams	50

Poster Session Graduate Research Conference

Kooski	Tyler	Microbiology	Nonribosomal Peptide Synthetase swrA in the Insect Pathogen <i>Serratia</i> sp. Strain SCBI	76
LaCarubba	Brianna	BSCI: Integrative & Organismal	Assessing the role of Ca ^v 1 d pre-mRNA alternative splicing on BDNF expression and release	14
Lacroix	Patrick	History	John F. Kennedy and the Politics of Faith, 1960-1963	67
Langley	Kate	BSCI: Integrative & Organismal	Toxic cyanobacteria aerosols: Diel Differences and trophic status	15
Leach	Allison	Nat Resrces & Environ Stdy	Closing the agricultural loop: Capturing and utilizing compost gas exhaust from aerated static pile composting	140
Lee	Katherine	Psychology	High School Students' Action Plans for Positive Bystander Behavior	100
LeGrand	Leanora	Lend Program	NH Leadership Placement With Community Crossroads: Employment Satisfaction and Retention	124
Li	Guanlai	Computer Science	test of RAIDX in various file systems	38
Madison	Conor	Natural Resources	Spatial Leaf Level Variation for Improving Ecosystem Models	84
Marcus	Tamara	Nat Resrces & Environ Stdy	Carbon Biogeochemistry in Response to Climate Change in Stordalen Mire, Sweden	141
Marouzi	Soroush	Economics	The Rational Expectation Hypothesis and Imperfect Knowledge Economics: A Philosophical Interpretation of a Methodological Gap	135
Mattera	Trevor	NatRsrc: Environmental Consvtn	Advancing Coastal Resilience: An Institutional Analysis of Living Shorelines in New Hampshire	80
Maynard	Jacob	History	Marshall Plan and the Berlin Airlift	68
McCabe	Eleanor	BSCI: Integrative & Organismal	Homing range of <i>Cerceris fumipennis</i>	16
McGlew	Kayla	Social Work	Moving Policy to Action	115
McIntire	Cameron	Nat Resrces & Environ Stdy	Northern Forest DroughtNet: Initial results from a multi-year throughfall manipulation experiment in New Hampshire	51
McLarney	John	Biochemistry	Identification of PAT14 substrates in <i>Arabidopsis thaliana</i>	4
McLeod	Amanda	NatRsrc: Environmental Econ	Identifying Obstacles and Barriers to Local Food Sourcing in Intermediate Markets	81
Messologitis	Katerina	Civil Engineering	Pilot Testing Of Electrodialysis Technology To Recover And Reuse Concentrated Brines From Advanced Water Treatment	132
Mohammadi	Mohammadjavad	Chemical Engineering	Molecular Dynamics Simulations of [FeFe]-Hydrogenase	22
Morang	Jillian	Chemistry	The Optically Observed Water Uptake of Dry-generated Clay Aerosol and the Influence of Experimental Variables	26
Morrison	Eric	Earth & Environmental Sci	A trait-based framework points to mechanisms underlying fungal responses to nitrogen deposition	45
Moschella	Elizabeth	Psychology	Posttraumatic Growth as a Mediator of Self-Blame and Outcomes of Well-Being in the Context of Interpersonal Violence	101
Moyer	Pamela	Nat Resrces & Environ Stdy	Earthquake Stress Drop Before, During, and After the 2015 Eruption at Axial Seamount	52
Neff	Erin	BSCI: Integrative & Organismal	Developing a molecular pipeline to identify <i>Chenopodium</i> species in New England	17
Nemati	Rasool	Civil Engineering	Generalized regression approach to develop predictive models for E* and δ in asphalt mixtures	133
Oppenheimer	Robert	BSCI: Integrative & Organismal	Kin Selection and Social Plasticity in the Australian Small Carpenter Bee (<i>Ceratina australensis</i>)	18
Orde	Kaitlyn	Biological Sci: Agricultural	Winter Spinach Production in High Tunnels	6
Oshone	Mirkat	Civil Engineering	Prediction of Phase Angles from Dynamic Modulus Data and Implications on Cracking Performance Evaluation	32
Owings	Meghan	BSCI: Marine Biology	Effects of the biomedical bleeding process on the behavior and physiology of the American horseshoe crab, <i>Limulus polyphemus</i>	127
Parent	Elizabeth	RMP: Recreation Admin	Danvers Recreation Needs Assessment: An Importance Performance Analysis	110
Perryman	Clarice	Earth Sciences	Porewater Methane Insights to Methanogenesis in a Temperate Fen	42
Phillips	Ryan	Physics	Respiratory Rhythm Generation in the Pre-Bötzing Complex: A Computational Modeling Study	91
Popecki	Margot	Genetics	Molecular changes underlying the independent origin of eusociality in <i>Exoneurella tridentata</i>	63
Provencher	Curtis	Genetics	Phototactic Preference and its Genetic Basis in the Planulae of the Colonial Hydrozoan <i>Hydractinia symbiolongicarpus</i>	64
Radhi	nisreen	Electrical Engineering	The Non-Uniform Image Mapping Based on the Lateral Subtractive Inhibition Biological Method	59
Rainer	Sara	Public Health	Physical activity participation at the nexus of social change: exploring barriers and enablers of active living among persons with disabilities	104
Riley	Jenna	Liberal Studies	Museum Accessibility	137

Poster Session Graduate Research Conference

Rivard	Stephen	RMP:Recreation Admin	Creating Inclusive Environments: Supporting Seasonal Staff Who Identify as LGBTQ	111
Rizzo	Andrew	Psychology	Exploring Collective Efficacy & Bystander Intervention Within Non-Urban Communities	102
Robidoux	Jaclyn	BSCI: Marine Biology	Diversifying New England Sea Vegetable Aquaculture: Modification of Kelp Nursery and Grow-out Technology for Nori Production	128
Rodenbaugh	Tiffany	BSCI: Marine Biology	Using Otolith Microchemistry to Identify Natal Origins of Winter Flounder (<i>Pseudopleuronectes americanus</i>)	7
Rodriguez	Kyle	Chemistry	Porphyrin-Cored Polymer Nanoparticles: Macromolecular Models for Heme Iron Coordination	27
Rydeen	Jennifer	Lend Program	Critical Workforce Shortage of Direct Service Professionals	125
Sanchez	Vilmarie	Education	FACILITATING PRESERVICE TEACHERS' EXAMINATION OF BELIEFS ABOUT LANGUAGE AND LINGUISTIC DIVERSITY	55
Savage	Daniel	Mechanical Engineering	Properties of ARB and PVD Zr-Nb Nanolaminates	72
Schuster	Kevin	Biochemistry	Nematode phosphodiesterases are promising targets for novel nematicides	5
Simpson	Julie	RCR Poster	Explaining RCR Training	58
Simpson	Julie	RCR Training	Explaining RCR Training	106
Stark	Meghan	Genetics	The Role of the Bat Microbiome on White-Nose Syndrome	65
Staunton	Michael	Sociology	Understanding Nonmedical Prescription Painkiller Use Among Rural and Urban Adolescents	116
Stewart	Anthony	Natural Resources	Land Use Conversion in New England: Retaining Forest Structure and its Soil Hydraulic Properties Through Silvopasture	85
Tavares	Ceara	Justice Studies	Feeling Guilty, Acting Ashamed: The role of emotions on morality and rule-violating behaviors	69
Thompson	Megan	Genetics	Mapping the Protein Phosphatase 2A genetic interaction network in plants	66
Tooley	Erin	Communication Sci & Disorders	Navigating the Health Insurance Appeals Process for Children with Genetic Conditions	36
Turell	Yusi	Nat Resrces & Envirn Stdy	Social Entrepreneurs as Institutional Entrepreneurs: Embedded actors of transformative social change	53
Van der Heijden	Ryan	Civil Engineering	Analyzing the Response Characteristics of Engineered Equestrian Surfaces	33
Van Volkom	Kaitlin	BSCI: Marine Biology	Effects of introduced prey species on the growth and reproduction of the blood star, <i>Henricia sanguinolenta</i> .	8
Varsanyi	Petra	Electrical&Comp Engineering	Towards understanding collaboration around interactive surfaces: Exploring joint visual attention	61
Walsh	Erinn	Psychology	The Long-Term Benefit of Refutation Text on Knowledge Revision: Not Just a Testing Effect	103
Wengrove	Meagan	Ocean Engineering	Wave and Current Induced Ripple Formation and Migration	89
Whalen	Emily	Natural Resources	Effect of manganese availability on litter decay under simulated nitrogen deposition	86
Widlansky	Sarah	Earth&Environmental Sci	TANZANIA AND IMPLICATIONS FOR VERTEBRATE PALEOBIOGEOGRAPHY	46
Williams	Julia	Lend Program	Levels of Leadership	126
Yadav	Kamini	Nat Resrces & Envirn Stdy	Issues with Large Area Thematic Accuracy Assessments: A Tale of Three Continents	142
Yu	Wenyuan	Physics	Comparing Large and Small Solar Wind Transients: STEREO and Wind Observations	92
Zecevic	Miroslav	Mechanical Engineering	Calculation of intragranular misorientation distributions in polycrystals	73
Zhang	Rui	Civil Engineering	Structural Health Monitoring for a Double Skin Façade Damper System	34
Zukowski	Kelsey	Occupational Therapy	New England Genetics Collaborative Results of the Stakeholder Survey for Project Year Ten	88