THESES AND DISSERTATIONS ACCEPTED BY THE LOUISIANA STATE UNIVERSITY
SCHOOL OF RENEWABLE NATURAL RESOURCES
2006 – May 2013
Revised 31 May 2013
by Mary S. Bowen, Research Associate/Coordinator
School of Renewable Natural Resources


Theses and dissertations are listed in this report under the year the thesis was accepted by the Electronic Thesis and Dissertation repository of the LSU Graduate School. This service began in 2002, but is not complete for that year. Therefore, this is a revised list that includes a link to the version of each student's thesis or dissertation, where available. The list appears in order by year (see above) and in alphabetical order by the author’s surname.

A four-digit numbering system was used; the first two digits indicate the year the degree was awarded, and the last two digits show the number of that item within the year. The major professor who supervised each student is listed after the title and number of pages, followed by the code for the degree awarded.

From 1994 through 2002 the School awarded the M.S. degree in wildlife as both thesis and non-thesis. The other M.S. degrees have a thesis requirement. In order to have a complete listing of all degrees granted, the recipients of non-thesis degrees are listed alphabetically along with the thesis students, in their year class, with the notation “Non-thesis.”

The degree conferred and the major field are listed in code as described below.

**Degree and Major**

- PhDfo Ph.D. in forestry
- PhDwfs Ph.D. in wildlife and fisheries science
- MSfi Master of Science in fisheries
- MSfo Master of Science in forestry
- MSwi Master of Science in wildlife

Indices for 2006 – May 2013, alphabetized by the student's and major professor's last name, are at the end of the listing.

Theses and dissertations may be read by accessing the LSU Graduate School web site. ([https://digitalcommons.lsu.edu/gradschool/](https://digitalcommons.lsu.edu/gradschool/)) for the Electronic Thesis and Dissertation Collection. You can browse by name or by department. The link to each document is associated with each author and will open in a separate browser page if the document is not under embargo.

LIST OF THESES AND DISSERTATIONS (follows)
LSU School of Renewable Natural Resources
Thesis and Dissertations: 2006 to 2013

2006


605 Cannaday, Christopher Dean.  Effects of Terraces on Submerged Aquatic Vegetation in Shallow Marsh Ponds in Coastal Southwest Louisiana. 60 p. J. Andrew Nyman. MSwi.


609 Fox, David M.  Effects of Insectivorous Birds on Tree Growth in the Maurepas Swamp. 188 p. Philip Stouffer. MSwi.


612 O'Connell, Jessica L.  Coastal Marsh Restoration Using Terraces: Effects on Waterbird Habitat in Louisiana's Chenier Plain. 120 p. J. Andrew Nyman. MSwi.

613 Pierluissi, Sergio.  Breeding Waterbird Use of Rice Fields in Southwestern Louisiana. 98 p. Sammy L. King. MSwi.

614 Schaffer, Dawn.  Swamp Tours in Louisiana Post Hurricane Katrina and Hurricane Rita. 80 p. Craig A. Miller. MSwi.

615 Siwarski, Thomas Michael.  Reliability of Determining Adults from Juvenile Ducks by Presence or Absence of Notched Tail Feathers in Various Species of North American Ducks. 31 p. Frank Rohwer. MSwi.


2007

Thesis and Dissertations: 2006 to 2013

Arquilla, Brian Joseph. Effects of Predator Activity on the Nesting of American Black Ducks and Other Birds on Barrier Islands in the Mid-Atlantic Coast. 60 p. Frank Rohwer. MSwi.


Gao, Heng. Chemical Analysis of Extracts from Port-Orford Cedar Wood and Bark. 52 p. Todd F. Shupe. MSfo.


Kuhn, Margaret Jean. Quantifying the Edge Effects Associated with Predator Removal Blocks on the Nesting Success of Upland Ducks in North Dakota. 45 p. Frank Rohwer. MSfi.


Perkins, Marie. The Use of Stable Isotopes to Determine the Ratio of Resident to Migrant King Rails in Southern Louisiana and Texas. 125 p. Sammy L. King. MSwi.


2008


<table>
<thead>
<tr>
<th>Year</th>
<th>Author</th>
<th>Title</th>
<th>Pages</th>
<th>Supervisor</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>Domson, Odoom</td>
<td>Strategic Analysis of Ghana National Wood Export Sector</td>
<td>124</td>
<td>Richard Vlosky</td>
<td>MSfo</td>
</tr>
<tr>
<td>2013</td>
<td>Gothreaux, Craig</td>
<td>Measurement of Nutrient Availability in Feedstuffs for Florida Pompano and Development of Formulated Diets for Pompano Aquaculture</td>
<td>83</td>
<td>Robert C. Reigh</td>
<td>MSfi</td>
</tr>
<tr>
<td>2013</td>
<td>Kizhakkepurakkal, Anil Raj</td>
<td>Opportunities and Challenges Associated with Development of Wood Biomass Energy Production in Louisiana</td>
<td>87</td>
<td>Cornelis de Hoop</td>
<td>MSfo</td>
</tr>
<tr>
<td>2013</td>
<td>Llewellyn, Christopher Bromley</td>
<td>Evaluating Ecological Equivalence in Created Marshes</td>
<td>73</td>
<td>Megan La Peyre</td>
<td>MSfi</td>
</tr>
<tr>
<td>2013</td>
<td>Melody, Kevin Patrick</td>
<td>Two Post-Harvest Treatments for the Reduction of Vibrio vulnificus and Vibrio parahaemolyticus in Eastern Oysters (Crassostrea virginica)</td>
<td>63</td>
<td>John Supan</td>
<td>MSfi</td>
</tr>
<tr>
<td>2013</td>
<td>Newell, Patricia Jean</td>
<td>Pileated Woodpeckers (Dryocopus pileatus) and Saproxylic Beetles in Partial Cut and Uncut Bottomland Hardwood Forests</td>
<td>103</td>
<td>Sammy L. King</td>
<td>MSwi</td>
</tr>
<tr>
<td>2013</td>
<td>Obanda, Diana Nasirumbi</td>
<td>Biotransformation of Organic Wood Preservatives by Micro-organisms</td>
<td>89</td>
<td>Todd F. Shupe</td>
<td>PhDfo</td>
</tr>
<tr>
<td>2013</td>
<td>Palasz, Laura M.</td>
<td>Effects of Burning on Henslow’s Sparrow (Ammodramus henslowii) Density and Habitat Quality in Louisiana</td>
<td>79</td>
<td>Philip Stouffer</td>
<td>MSwi</td>
</tr>
<tr>
<td>2013</td>
<td>Perera, Polwattage Kushil</td>
<td>Non-Industrial Private Forest Landowners and US Home Center Retailers’ Attitudes and Perceptions of Forest Certification</td>
<td>123</td>
<td>Richard Vlosky</td>
<td>MSfo</td>
</tr>
<tr>
<td>2013</td>
<td>Perera, Rangika Thilaksr</td>
<td>An Overview of the Wood Product Import Sector in the United States with an Emphasis on Opportunities for Sri Lankan Exporters</td>
<td>109</td>
<td>Richard Vlosky</td>
<td>MSfo</td>
</tr>
<tr>
<td>2013</td>
<td>Wu, Lisha</td>
<td>Identification of Quantitative Trait Loci Influencing Early Height Growth in Longleaf Pine (Pinus palustris Mill)</td>
<td>185</td>
<td>Michael Stine, Thomas J. Dean</td>
<td>PhDfo</td>
</tr>
<tr>
<td>2009</td>
<td>Baffoe, Abraham</td>
<td>Certification: Implications for Sustainable Forest Management and Timber Export Trade in Ghana</td>
<td>133</td>
<td>R. Vlosky</td>
<td>MSfo</td>
</tr>
<tr>
<td>2009</td>
<td>DiBenedetto, Kayla Cheree</td>
<td>Life History Characteristics of Alligator Gar, Atractosteus Spatula, in the Bayou DuLarge Area of Southcentral Louisiana</td>
<td>69</td>
<td>William E. Kelso</td>
<td>MSfi</td>
</tr>
<tr>
<td>2009</td>
<td>Du, Tianchuan</td>
<td>Supercritical Fluid Extraction and Analysis of Plant Oils</td>
<td>53</td>
<td>Todd F. Shupe</td>
<td>MSfo</td>
</tr>
<tr>
<td>2009</td>
<td>Hardee, David C.</td>
<td>The Effects of Bait Type, Trap-Soak Duration, and Trap Modification on Harvest of Red Swamp Crawfish</td>
<td>47</td>
<td>Robert Romaire</td>
<td>MSfi</td>
</tr>
<tr>
<td>2009</td>
<td>Herbez, Erin</td>
<td>Translocation Success of Adult Red-cockaded Woodpeckers</td>
<td>67</td>
<td>Michael J. Chamberlain</td>
<td>MSwi</td>
</tr>
<tr>
<td>2009</td>
<td>Holloway, Meya Voorhies</td>
<td>Moderating Effects of Knowledge, Gender, and Education on the Relationship between Environmental Value Orientation and Support for Louisiana Coastal Restoration</td>
<td>54</td>
<td>Craig A. Miller</td>
<td>MSwi</td>
</tr>
<tr>
<td>2009</td>
<td>Klock, Metha Martine</td>
<td>Using Demographic Models to Manage Chinese Privet (Ligustrum sinense Lour.)</td>
<td>100</td>
<td>Hallie Dozier</td>
<td>MSfo</td>
</tr>
<tr>
<td>2009</td>
<td>Koh, Gar Yee</td>
<td>Preparation of the Chinese Sweet Leaf Tea Extract and Its Anti-obesity Effect in Rodents</td>
<td>123</td>
<td>Zhijun Liu</td>
<td>MSfo</td>
</tr>
</tbody>
</table>

Valente, Jonathon Joseph.  Distribution and Habitat Associations of Breeding Secretive Marsh Birds in the Mississippi Alluvial Valley of Northeast Louisiana.  87 p.  Sammy L. King.  MSwi.


Gray, Jacob M.  Habitat Use, Movements, and Spring Migration Chronology and Corridors of Female Gadwalls that Winter along the Louisiana Gulf Coast.  73 p.  Alan D. Afton.  MSwi.


Khanal, Puskar Nath.  Predicting First Year Seedling Survival from Quality Distributions of Bareroot Seedlings and Microsites.  60 p.  Thomas J. Dean.  MSfo.


Leumas, Cecilia Marie.  Understanding the Use of Barrier Islands as Nesting Habitat for Louisiana Birds of Concern.  71 p.  Frank Rohwer.  MSwi.


LSU School of Renewable Natural Resources
Thesis and Dissertations: 2006 to 2013

2011


1019  Villani, Rachel K. Multi-Scale Habitat Associations of Shorebirds During Spring Migration in Southwestern Louisiana Rice Fields. 72 p. Sammy L. King.  MSwi.


1101  Beck, Steven Lee. The Effects of Oyster Harvest on Resident Oyster Reef Communities and Reef Structure in Coastal Louisiana. 81 p. M. La Peyre.  MSfi.


1109  Klimesh, Derrick. Spatiotemporal Responses of Macroinvertebrates to Timber Harvesting in Low-Gradient Headwater Streams of Central Louisiana. 128 p. Yi-Jun Xu.  MSfo.


### 2012

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Author</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1116</td>
<td>Poudel, Krishna Prasad. Evaluation of Methods to Predict Weibull Parameters for Characterizing Diameter Distributions. 60 p.</td>
<td>Quang V. Cao</td>
<td>MSfo.</td>
</tr>
<tr>
<td>1117</td>
<td>Scaroni, Amy E. The Effect of Habitat Change on Nutrient Retention and Removal in the Atchafalaya River Basin. 141 p.</td>
<td>J. Andrew Nyman</td>
<td>PhDfo.</td>
</tr>
<tr>
<td>1120</td>
<td>Yue, Yiying. A Comparative Study of Cellulose I and II and Fibers and Nanocrystals. 73 p.</td>
<td>Qinglin Wu</td>
<td>MSfo.</td>
</tr>
</tbody>
</table>

**Bohora, Som Bahadur. Spatial Variability in Response of Deltaic Baldcypress Forests to Hydrology and Climate. 69 p. R. Keim, J. Chambers. MSfo.**


**DaSilva, Abram Aty. Water Quality Dynamics of Low-Gradient, Headwater Streams in a Timber-Industry Dominated Watershed in Louisiana. 117 p. Yi-Jun Xu. MSfo.**

**Davis, Bruce Edward. Habitat Use, Movements, and Ecology of Female Mottled Ducks on the Gulf Coast of Louisiana and Texas.. 66 p. Frank Rohwer. PhDwild.**

**DeLeon, Emma Elizabeth. Ecology of Rusty Blackbirds Wintering in Louisiana: Seasonal Trends, Flock Composition and Habitat Associations. 115 p. Philip Stouffer. MSwi.**

**Eberline, Benjamin S. Population Dynamics of the Eastern Oyster in the Northern Gulf of Mexico. 66 p. Megan La Peyre. MSfi.**

**Fitzgerald, Alexandra Marie. Effects of Varying Land Use on Headwater Stream Fish Assemblages and In-Stream Habitats in Southwestern Louisiana. 145 p. Michael D. Kaller. MSfi.**

**Furlong, Jessica Nicole. Artificial Oyster Reefs in the Northern Gulf of Mexico: Management, Material, and Faunal Effects. 116 p. Megan La Peyre. MSfi.**

**Gee, Hugo. The Effects of Hydrologic Modifications on Floodplain Forest Tree Recruitment and Growth in the Mississippi River Alluvial Valley, USA. 154 p. Sammy L. King. PhDwfs.**

**Hu, E. High-Throughput Sperm Cryopreservation of Aquatic Species. 284 p. Terrence R. Teirsch. PhDwfs.**

**Joshi, Sanjeev. Evaluation of Growth Rates and Establishment Patterns of Water-elm (Planera aquatica) and Baldcypress (Taxodium distichum) in Response to Hydrologic and Climatic Conditions at Catahoula Lake, Louisiana. 68 p. Sammy L. King. MSfo.**


Legleu, Christina. Modeling Gopher Tortoise (Gopherus polyphemus) Habitat in a Fire-Dependent Ecosystem in North Florida. 91 p. J. Andrew Nyman. MSwi.


Oliver, Devon Charles. Movements and Habitat Use of Southeastern Blue Sucker Cycleptus Merdionalis in the Lower Pearl River. 53 p. William E. Kelso. MSfi.


2013


Vazquez, Jose Alexander. Fish and Macroinvertebrate Assemblage Composition and Diversity at Revetted Banks in the Pearl River and the Response of These Assemblages to a Paper Mill Effluent Spill. 88 p. William E. Kelso. MSfi.

Major Professor Index

Afton, Alan D. 0602 0705 0710 1007
Cao, Quang V. 1116
Chamberlain, Michael 0604 0617 0707 0709 0715 0801 0803 0905 0909 1103 1105 1106
Chambers, Jim L. 1201 1203
Chang, Sun J. 0616 1113
Day, John 1217
de Hoop, Cornelis 0608 0806 1005 1215
Dean, Thomas J. 0712 814 1011
Dozier, Hallie 0907
Green, Christopher 1102
Hopper-Bui, Linda 0617
Kaller, Michael D 1118 1208
Keim, Richard 1217 1201 0601 1016
Kelso, William E. 0716 0902 0912 1004 1014 1218 1220 1304
King, Sammy L. 0613 0704 0714 0802 0809 0910 1019 1108 1210 1212 1219
La Peyre, Megan 0807 1006 1009 1101 1207 1209 1301
Liu, Zhijun 0718 0908 1214
Lutz, Greg 0603
Miller, Craig A. 0614 0906
Nyman, J. Andrew 0605 0612 1018 1117 1216
Reigh, Robert C. 0805 1110
Rohwer, Frank 0615 0702 0708 0717 1012 1013 1017 1205
Romaine, Robert 0904
Rutherford, D. Allan 0703 1008 1202
Shupe, Todd F. 0706 0713 0810 0903 1020
Stine, Michael 0814
Stouffer, Philip 0606 0609 0610 0811 1001 1107 1112 1206
Supan, John 0711 0808 1010 1302
Teirsch, Terrence R. 1003 1104 1211
Vlosky, Rishard 0607 0611 0701 0804 0812 0813 0901 1111 1114 1115 1119
Wu, Quinglin 0815 0913 1120 1213
Xu, Yi-Jun 0911 1002 1015 1021 1109 1204 1303

**Student Index (with links) 2006 to May 2013**

Aguilar, Francisco Xavier 0701
Amos, John Blake 0601
Anteau, Michael Jason 0602
Armas-Rosales, Alvaro M 0603
Arquilla, Brian Joseph 0702
Baffoe, Abraham 0901
Bahm, Jesse Adam 0703
Barlow, Sarah Jane 0704
Bechard, Anne M. 0801
Beck, Steven Lee 1101
Bohora, Som Bahadur 1201
Bonvillian, Christopher Paul 1202
Brooks, Matthew Edward 1001
Brown, Charles Alexander 1102
Brown, Kristopher 1002
Burke, Jason Douglas 0604
Burnside, Wesley Michael 1003
Byrne, Michael E 1103
Cannaday, Christopher Dean 0605
Cochran, John Wesley 0802
Crook, Annelie Crook 0803
Cuevas Uribe, Rafael 1104
Culpepper, Denton William 1203
DaSilva, Abram Atys 1204
Davis, Bruce Edward 0705
Davis, Bruce Edward 1205
DeLeon, Emma Elizabeth 1206
DiBenedetto, Kayla Cheree 0902
DiMiceli, Jennifer K. 0606
Doomson, Odoom 0804
Du, Tianchuan 0903
Duery, Shadia 0607
Dupre, Robert Henry 0608
Eberline, Benjamin S 1207
Fitzgerald, Alexandra Marie 1208
Fox, David M. 0609
Oliver, Devon Charles 1218
Olson, Ryan D. 1111
Owens, Falyn LeAnn 1112
Palasz, Laura M. 0811
Pan, Hui 0713
Parajuli, Rajan 1113
Perera, Polwattage Kushil 0812
Perera, Polwattage Kushil 1114
Perera, Rangika T. 1115
Perera, Rangika Thilakshi 0813
Perkins, Marie 0714
Pickens, Bradley A. 1219
Pierluissi, Sergio 0613
Pieron, Matthew R. 1017
Poudel, Krishna Prasad 1116
Rosen, Timothy 1303
Scaroni, Amy E 1117
Schaffer, Dawn 0614
Sheftall IV, William Lowe 1118
Swarowski, Thomas Michael 0615
Smithhart, Roger D 1119
Song, Nianfu 0616
Temple, Danielle Lolene 0715
Thayer, Justin W. 0909
Tobias, Vanessa Danielle 1018
Valente, Jonathon Joseph 0910
Vazquez, Jose Alexander 1304
Villani, Rachel K 1019
Walley, Rachel Cathleen 0716
Wang, Fugui 0911
Ward, Brian Michael 0912
West, Jonathan L 1220
Wiens, Darren Kirk 0717
Womack, Lee A. 0617
Wu, Lisha 0814
Wu, Xiaojun 0718
Xu, Yanjun 0913
Yao, Fei 0815
Yu, Bin 1020
Yue, Yiying 1120
Zhong, Biao 1021