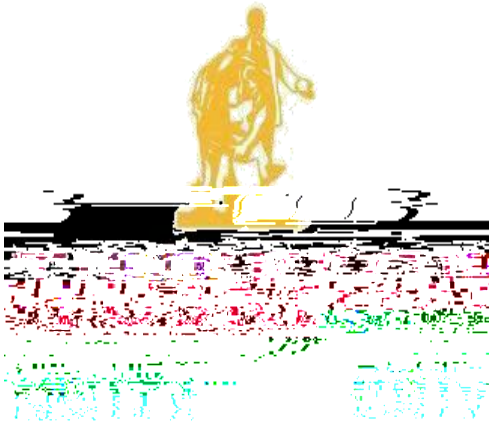

GRADUATE HANDBOOK

Effective October 1, 2017

Tuskegee University Graduate Handbook

This Handbook is the official document for regulations and procedures governing all Graduate School at Tuskegee University.

Graduate School of Tuskegee University are under the jurisdiction of the Vice President for Research and Dean of Graduate School, who reports to the Provost/Vice President for Academic Affairs. The Provost, in consultation with the Graduate Council chaired by the Vice President for Research and Dean of Graduate School, approves all matters governing Graduate Education at Tuskeg

PREFACE

Regulations outlined in this Handbook are effective October 1, 2017. All previous releases are hereby superseded. These regulations may be updated by a memora

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years, have prior experience mentoring graduate students and submitted proposals as a principal investigator or co-investigator in the past three years.

A **Full Member** of the graduate faculty is eligible to teach graduate courses, serve as major professor, co- major professor and/or advisory committee member of Master and/or Doctoral students, served as a member or chair of any graduate faculty committee and served as a member of the Graduate Council.

Ex-officio Membership is held by the President, the P

d. Graduate Degrees Offered

Graduate School Leading to the Doctor of Philosophy (Ph.D.) degree

Integrative Biosciences (IBS, offered jointly by CAENS, CAS & CVM) - The program effectively catalyzes and facilitates collaboration, discovery, creativity, and transformation tec

Master of Science in Food & Nutritional Science (Offered by CAENS) - The Master Science Degree programs in the Department of Food and Nutritional Sciences offer opportunities for creative endeavors through basic and applied research. This is best accompanied by a curriculum which is broad in scope and includes work in the areas of food safety, food product development, nutritional biochemistry and community nutrition.

Master of Science in Information Systems & Security Management (Offered by CBIS) ± The Information Systems and Security Management (I

The

Master of Science in Information Systems & Security Management (Offered by CBIS) The Information Systems and Security Management (ISSM) Master of Science program is designed

Master of Science in Veterinary Sciences (Offered by CVM) - The MS in Veterinary Science is offered by the College of Veterinary Medicine and it is designed to provide ca

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Doctor of Philosophy in Integrative

8. Personal Statement.
9. Three Letters of Recommendation.
10. Resume or Curriculum.

Doctor of Philosophy in Integrative Public Policy and Development

1. Admission to the IPPD Ph.D. Program is determined by six IPPD Faculty m e m b e r s on the Student Selection Committee and by the IPPD Dean ¶ V & R X Q F L O IPPD Program Office and the Office of Graduate School and Research then communicate admission to the candidates.
2. Candidates must have completed the B.S./B.A. and/or Master ¶ V degree in areas related to Integrative Public Policy, e.g., the Political Science, Economics/Agricultural Economics, Sociology/Rural Sociology, Anthropology and other related Social Sciences. If deemed necessary, the

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2. Affidavit of support for yourself & de

acceptance to the Graduate School implies that the applicant is capable of defraying the cost of the Graduate Program under consideration.

a. Initial Registration
After receiv

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Services will do everything possible to provide financial planning assistance to students. We beli

Policies governing graduate fellowships and research or teaching assistantships are as follows:

1. Applicants should generally have at least a grade point average of 3.00 out of a possible 4.00 in both undergraduate and any prior graduate work.
2. Holders of fellowships or assistantships are expected to pursue a full-time schedule of courses and teaching or research assignments. They must maintain the scholastic standards established for graduate students in good standing. They must not otherwise be gainfully employed during the term of appointment. A student cannot hold more than one appointment during any given period of time.

3. Teaching assistantships are awarded for the academic year only, unless otherwise noted, while

allowed either because of the level of the course or because it is a prerequisite for admission to graduate work in that area.

A student registered for a non-graduate credit course must complete all req

S ±Satisfactory, U ±Unsatisfactory, I -- Incomplete

The grade point average is computed for all graduate courses taken while enrolled at the University whether the courses are in the student's current curriculum or not, unless the courses are repeated. For Veterinary Medicine students, courses completed in the Animal/Veterinary Science program are excluded. No grade below "C" will be accepted for graduate credit. A graduate student who earns a grade of ³C´, "D", "F" or ³<´in any course carrying graduate credit may repeat the course. Only the highest grade earned as the result of repeating the course will be used in computing the overall grade point average.

b. Academic Standing

A student pursuing a graduate degree at Tuskegee University must maintain a "B" (3.00) average in all work included in the graduate program of study, with no more than **six semester hours of "C" grades.** Grades of "D" are not acceptable. If a student ¶ V grade point average falls below 3.0, it ¶ V the responsibility of the Department Head/Program Director will recommend to the Dean of Graduate School, with a copy to the academic dean, to place the student on probation for a period of one or two semesters. The Dean of Graduate School will designate the student as **pr**

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The student must be a candidate for the degree.

The student must have completed all courses for the degree with a minimum cumulative grade point average of 3.0.

The student must assist the Major Professor/Department Head in completing the Letter of Completion of the Degree Requirements and sending it to the Office of Graduate School.

b. Master of Science and Doctor of Philosop reW*nBTF3 12 Tf1 0 0 1 321.53 611.98 Tm0 g0 G

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oral examination.

2. Be submitted to the Dean of Graduate School at least **one week** prior to the date of the examination.
3. Indicate the names of five members of the examination committee,

including those on the advisory committee. A majority of the members of the examination committee must be from the area of the student's specialization. Students are encouraged to complete their work in a timely manner so that oral examinations may be scheduled before the week of the regular final examinations. It is the responsibility of the Major Professor and not that of the student to arrange a convenient time for the oral examination.

Major Professor: Receives from the Dean of Graduate School statements of appointment for each member of the Examination Committee and five blank copies of the Examination Report. Distributes the appointment letters to the members of the Exami Copies of

Dean of Graduate School:	Sends original abstract, original thesis and required extra copies to the Library for binding.
Dean of Graduate School:	Sends Letter of Completion and copy of Examination Report to the Department Head, College Dean, and the Registrar.

APPENDIX - A

Samples of Cover Pages:

Farhan Sultana, MS

Kayla Diane Newman, MS

Dereck Hubbard, PhD

Kwame Kenyatta Matthew

Characterizing the Evolution of Rhizosphere Microbial Communities in Two Cultivars of Sweet Potato (*Ipomoea Batatas*) (L.) Grown in High Tunnel Houses

By

Farhana Sultana

A Thesis Submitte

t

EFFECT OF PEPTIDE TYROSINE TYROSINE ON FOOD INTAKE IN MALE SPRAGUE DAWLEY RATS

By
Kayla Diane Newman

SYNTHESIS AND CHARACTERIZATION OF NOVEL RESOLE PHENOLIC RESIN SYSTEM BASED ON LIGNIN EXTRACTED FROM DIFFERENT BIOMASS RESOURCES

By

Dereca Hubbard

A Dissertation Submitted to the Graduate Faculty of Tuskegee University
in Partial Fulfillment of the Requirements for the Degree:

DOCTOR OF PHILOSOPHY IN MATERIALS SCIENCE AND ENGINEERING

Tuskegee University
Tuskegee, Alabama 36088
July 2016

IDENTIFICATION OF CHEMICAL INHIBITORS FOR NOVEL THERAPEUTIC MOLECULAR TARGETS IN *HAEMONCHUS CONTORTUS*

By

Kwame Kenyatta Matthews

A Dissertation Submitted to the Graduate Faculty of Tuskegee University in Partial Fulfillment of the Requirements for the Degree of

DOCTOR OF PHILOSOPHY IN INTEGRATIVE BIOSCIENCES

TUSKEGEE UNIVERSITY Tuskegee, AL 36088

July 2016

APPENDIX-B

Samples of Signature Pages:

Farhan Sultana, M.S.,

Kayla Diane Newman, M.S.,

Dereck Hubbard, Ph.D.,

Kwame Kenyatta Matthews, Ph.D.

THESIS
APPROVED BY

_____

Major Professor

_____

Major Professor

_____

Dean College of Arts and Sciences

_____

Shaik Jeelani - Dean of Graduate School

FOR: FARHANA SULTANA

Student

_____

Characterizing the Evolution of Rhizosphere Microbial Communities in Two Cultivars of Sweet Potato (*Ipomoea Balatas*) (L.) Grown in High Tunnel Houses

_____

Title of Thesis

Thesis Approved by:

Major Professor Dean

of College

Dean of Graduate School

for

Kayla Diane Newman
Student

EFFECT OF PEPTIDE TYROSINE TYROSINE ON FOOD INTAKE IN MALE SPRAGUE DAWLEY RATS

Thesis Title

‡

DISSERTATION APPROVED BY: Dr.

_____

_____

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APPENDIX - C

Samples of

ABSTRACT

Characterizing the Evolution of Rhizosphere Microbial Communities in Two Cultivars of Sweet Potato *(Ipomoea Batatas)* (L.) Grown in High

dominant phylum was found and it was accounted 45% of bacterial phylum. Alpha proteobacteria

was the largest classified class and it was comprised the 25% bacterial class. The genus *Bacillus* was the most abundant b a c t e r i a in the sweet potato r hi z os p h er e of all treatments and were increased significantly i n plant growth stage and it helps plant for phosphorus and potassium solubilization a n d protects plant from plant pathogens. Nitrogen fixing bacteria *Rhizobium*, *Azospirillum*, *Bradyrhizobium*, *Mesorhizobium* were significantly increased in plant growth stages. Nitrifying bacteria *Nitrosomonas* and *Nitrosococcus* were significantly decreased in trellising treatment. However, *Nitrosomonas* and *Nitrobacter* significantly increased in plant growth stage. For fungi, result showed that plant developmental stage had a significant influence on the fungal community of sweet potato rhizosphere. Fungal richness, evenness and diversity was high in cultivarl892 than cultivar Carver and the level of significance was 0.04. For, fungal diversity, richness and evenness were found more in non-trellising treatment (P value= 0.0000 I) and the plant d e v e l o p me n t a l stage. This i n d i c a t e s that plant d e v el o pme n t a l stage h a d a significant effect on the microbial community o n sweet p o t a t o r h i z o s p h e r e . *Ascomycota* was the most dominant phylum was found for fungi and it was found 68% of fungal phylum. *Sordariomycetes* was the largest classified class and it was found the 33% bacterial class. This study showed that sweet potato cultivation would be beneficial for soil fertility.

ABSTRACT

EFFECT OF PEPTIDE TYROSINE TYROSINE ON FOOD INTAKE IN MALE SPRAGUE DAWLEY RATS

By

Kayla Diane Newman

Peptide YY (PYY) is a 36 amino acid peptide that

to saline control. In the old rats we found that PYY 3-36 decreased the first MS (5, 10 and 20 nmol/kg), shortened the first IMI (10 nmol/kg), decreased the second satiety ratio (5 nmol/kg) and decreased the duration to the first meal (10 nmol/kg) relative to saline control. In addition, in the old rats PYY 3-36 increased Fos-LI in the AP, NTS, and the DMV of the hindbrain and in the myenteric and submucosal plexuses of the duodenum and myenteric plexus of the jejunum. In conclusion, the results of study suggest that the gastrointestinal tract contains sites of action that regulate the feeding responses evoked by both forms of PYY.

ABSTRACT

SYN

used to observe the thermal behavior of each extracted lignin and commercial lignin. It was found that commercial lignin had the greatest thermal properties followed by lignin extracted from flax fiber and alfalfa fiber. This proved that the thermal properties of lignin are dependent on its source. Thus, 40, 50, and 60 % of lignin from alfalfa fiber, flax fiber, and commercial lignin were used as partial replacements for the phenol precursor in the synthesis of the resole phenolic bio-resins. The resulting materials were subjected to thermogravimetric analysis (TGA) to observe the overall thermal stability and degradation properties of unmodified and modified resole phenol formaldehyde resins. Results from TGA scan and corresponding derivative weight loss curves

DTG Weight Loss Curves 1.52 Tf1 0 0 1 333.67 576.58 Tm0 g0 G 0.00384 Tc[(G[(n)T

and 7 f.! M, respectively and compound NSC-641296 inhibited enzyme activity 48%, 56% and 58%± 2.9% when used at 10, 12 and 14 f.! M, respectively. Compounds NSC-323241 and NSC-158011 showed no significant effect compared to control. In objective two, NSC-641296 resulted in a linear decrease in third-stage larval viability ($P < 0.0001$) when compared to untreated larvae