

SERA-IEG-6 2018 ANNUAL MEETING
THE GRADUATE HOTEL
295 E. DOUGHERTY St
ATHENS, GA 30601
JUNE 10-12



THE GRADUATE HOTEL

Administrative

Leticia Sonon, Chair

Tony Provin, Vice-chair

Gobi Huluka, Secretary

Tom Obreza, Advisor

Nathan McKinney Advisor

2018 SERA 6 Meeting Agenda

June 10, Sunday

5:00-9:00 PM Sunday Evening Session (The Graduate Hotel, Ballroom and Galleria I)

5:00-6:00 pm	Registration
6:00-7:30 pm	Welcome Reception and Dinner
7:30-8:30 pm	State Reports, Moderator Gobena Huluka
<ul style="list-style-type: none"> • Alabama • Arkansas • Florida • Georgia • Kentucky • Louisiana • Mississippi 	<ul style="list-style-type: none"> • Oklahoma • South Carolina • North Carolina • Tennessee • Texas • Virginia
8:30-8:40 pm	Agricultural Laboratory Proficiency Program (ALP) – Bob Miller
8:30-8:40 pm	LECO Corporation – Andy Flores
8:40-9:00 pm	Elementar Americas – Doug Steve
9:00-9:10 pm	Agilent – Kirk Holladay
9:10-9:20 pm	Spectro – Bob Dussich

June 11, Monday

Welcome and University of Georgia Extension Address

8:00-8:05	Introduction and Meeting Notes – Leticia Sonon UGA
8:05-8:15	Welcome Address – Dr. Sam Pardue, Dean CAES
8:15-8:30	State of UGA Extension – Dr. Laura Perry Johnson, Assoc. Dean for Extension

Technical Session

8:30-8:55	Developing Critical Leaf Chloride Concentrations in Soybeans – Nathan Slaton, AR
8:55-9:20	K calibration work with corn and soybeans – David Hardy, NC
9:20-9:45	Testing Fertilizer recommendations by yield goals for corn and cotton – Glenn Harris, GA
9:45-10:45	Break and Sponsors’ Exhibit Viewing
10:45-11:15	Use of Gypsum in Agriculture - Malcolm Sumner
11:15-11:40	P and K calibration in Caribbean Soils – David Sotomayor, PR
11:40-12:05	Cation Exchange Capacity – Measurements and Interpretations – Bob Miller, ALP
12:05-12:15	Timberline
12:15-12:25	Automation Techniques – Kevin Rackers
12:25	Leave for restaurant (lunch)
12:30-2:00 pm	Lunch
2:00-5:30	Laboratory Visit (Jason Lessl, Uttam Saha, Teresita Ona) and N Mineralization Calculator Demo (Julia Gaskin)
5:30 pm	Return to Hotel
6:30 pm	Leave Hotel for Dinner

June 12, 2018

Technical Session, Moderator Jason Lessl

8:00-8:20	Soil Quality Testing at Auburn University Soil Testing Lab – Charles Mitchell – Auburn University
8:20-8:30	EA Consummables
8:30-8:40	LabFit
8:40-9:00	Administrative Advisor Reports: Dr. Nathan McKinney, University of Arkansas (Research) and Dr. Tom Obreza, University of Florida (Extension)
9:00-10:00	Break and Exhibit Viewing
10:00-12:00	Reports and Business Meeting
	NAPT Report
	NCERA-13

2018
SERA 6 Conference Registrants and Sponsors

	NAME	AFFILIATION
1	Alford, Shannon	Clemson University
2	Bergeron, Jamin	University of Florida
3	Beverly, Reuben	Auburn University
4	Duniho, Tyler	Clemson University
5	Farmaha, Bhupinder	Clemson University
6	Gamble, Audrey	Auburn University
7	Grove, John	University of Kentucky
8	Hardy, David	NCDCA – Soil Testing
9	Heckendorn, Steve	Virginia Tech
10	Herron, Cindy	University of Arkansas
11	Hicks, Kristin	NCDCA&CS
12	Jackson, Patricia	Clemson University
13	Jones, Keri	MS State University
14	Kissel , David	Univ of Georgia
15	Lafex, Diane	University of Arkansas
16	Lessl, Jay	University of Georgia
17	Martin, Amanda	University of Kentucky
18	McKinney, Nathan	University of Arkansas
19	Miller, Bob	ALP-CTS
20	Mitchell, Charles	Auburn University
21	Mowrer, Jake	Texas A&M Agrilife
22	Nathan, Manjula	University of Missouri
23	Obreza, Tom	UF/IFAS Extension
24	Oldham, Larry	MS State University
25	Ona, Teresita	Univ of Georgia
26	Osmond, Deanna	NC State University
27	Pena-Yewtukhiw, Eugenia	West Virginia Univ
28	Poffenbarger, Hanna	University of Kentucky
29	Prasad, Rishi	Auburn University
30	Ritchey, Edwin	University of Kentucky
31	Saha, Uttam	Univ of Georgia
32	Savoy, Hugh	University of Tennessee
33	Slaton, Nathan	University of Arkansas
34	Sonon, Leticia	Univ of Georgia
35	Sotomayor, David	Puerto Rico
36	Spargo, John	Penn State University
37	Villines, Cheri	University of Arkansas
38	Wang, Jim	Louisiana State University
39	Woodley, Alex	North Carolina State Univ
40	Yuangen, Yang	Univ of Georgia
41	Zhang, Hailin	Oklahoma State Univ

Sponsors/Exhibitors

	NAME	AFFILIATION
1	Bury Ellis, Sara	Timberline
2	Divis, Jeremy	Questron Technologies
3	Etzal, Ryan	LECO
4	Flores, Andy	LECO
5	Holladay, Kirk	Agilent
6	Hughes, Sandy	EA Consumables
7	Keene, Doug	Texas Scientific
8	Kelly, Jon	Spectro-Ametek
9	Larson, Mark	Elementar
10	Leibenguth, Sara	Seal Analytical
11	Leiken, Sergie	Texas Scientific
12	Mains, Jada-Star	Spectro-Ametek
13	Marsico, Ryan	Elementar
14	Rackers, Kevin	Automation Techniques
15	Tsourides, Deion	Spectro
16	Warrenfeltz, Dennis	LabFit
17	Yates, Al	Skalar

Highlights of the 2018 SERA-IEG 6 Meeting

- * The largest number of attendees in for the region in my opinion (18 Universities were represented; see group picture and attendees list).
- * The largest number of sponsors and exhibitors for the region in my opinion (see list above).
- * SERA-IEG 6 funding is renewed for the next 5 years (until 2022).
- * Jim Wang of LSU was elected as an incoming secretary for SERA-IEG 6 and, Tony Provin and Gobi Huluka will be the incoming chair and vice-chair, respectively.
- * The 2019 SERA-IEG Annual Meeting will be hosted by Oklahoma State University on June 9 – 11, 2019 and Hailin Zhang will be coordinating.
- * Papers presented during the meeting will be available at <http://aesl.ces.uga.edu/sera6/MIN/2018.asp>
- * The Southern Working Group CIG-P (conservation innovations grants on phosphorus index) for Southern States was held for one day after the end of SERA-IEG 6 meeting at the same location.



2018 SERA-IEG 6 Group

Summary of Events for 2018 during June 10-12, 2018

June 10

- * Dr. Leticia Sonon welcomed all the participants to Athens and made overview of the program for the next two days.
- * She thanked sponsors and named them in categories of Gold, Silver and Bronze.
- * After introduction of each person, dinner was served.
- * State Reports were presented after dinner and a call was to submit the report to the secretary.
- * Sponsors presentations continued after State Reports according to the program. ALP, Leco, Elementar America, Agilant and Labfit.

June 11

- * Dr. Leticia Sonon welcomed the group again and introduced Dr. Sam Pardue, Dean CAES and Dr. Laura Perry Johnson, Associate Dean of Extension who spoke on the state of agriculture in Georgia in particular and US in general.
- * Technical Sessions continued according to the schedule: Developing Critical Leaf Chloride Concentrations in Soybeans – Nathan Slaton, AR; K calibration work with corn and soybeans – David Hardy, NC; Testing Fertilizer recommendations by yield goals for corn and cotton – Glenn Harris, GA;
- * Break and Sponsors' exhibit viewing; Use of Gypsum in Agriculture - Malcolm Sumner; P and K calibration in Caribbean Soils – David Sotomayor, PR; Cation Exchange Capacity – Measurements and Interpretations – Bob Miller, ALP
- * After lunch, UGA laboratory visit was conducted by Jason Lessl, Uttam Saha, Teresita Ona and N Mineralization Calculator Demo by David Kissel and Julia Gaskin.

June 12

- * Soil Quality Testing at Auburn University Soil Testing Lab – Charles Mitchell – Auburn University
- * Presentations by Sponsors and exhibit viewing
- * Administrative Advisor Reports: Dr. Nathan McKinney, University of Arkansas (Research) and Dr. Tom Obreza, University of Florida (Extension)

Dr. Tom Obreza:

Thanked SERA-6 leadership for the largest attendance and spoke on the following subjects:

- * Explained the role of SERA-6, its administration protocol and said that “administrators are not bad people but they try to help you.”
- * Budgets are getting better in some Southeast states
- * A need for hemp recommendation for medicinal oil
- * Soil quality/health is evolving with provide entities involved
- * Land grant soil labs should be consistent in making recommendations

Dr. Nathan McKinney

- * Thanked and seconded Dr. Obreza and spoke on:
- * Congratulated SERA 6 for securing funding until 2022
- * The need for expected measurable outcome and impact reporting for the group
- * The need for unified testing procedures and making recommendations

Dr. Manjula, NCERA 13 Representative

- * She reported on difficulties facing public labs due funding
- * Regionalized recommendations are taking being adopted in some neighboring states
- * Soil health was the main topic of interest during a meeting

- * Whitepaper is in the working on S & P determinations

Business Meeting

- * Oklahoma will be hosting the next annual meeting
- * Jim Wang was elected incoming secretary
- * UGA will host the SERA 6 website and listserve

ADJOURN

STATE REPORTS

ALABAMA (Reuben Beverly –Auburn University)

The past year has been one of profound change for the Auburn University Soil, Forage and Water Testing Laboratory, in terms of organization and administration, staffing, and instrumentation and programming. Similar to past years, in calendar year 2017 the lab reported 25926 routine soil samples, 3471 special soil samples of various kinds, 927 forage and feed samples, and 451 other samples.

The organizational change came about as the lab was transferred from administration by the Crop, Soils and Environmental Science Department to the Agricultural Experiment Station Administration. This was the result of a strategic plan analyzing the current and future operation of the laboratory. With this change, Dr. Dale Monks was appointed Director of the Laboratory, and Reuben Beverly was hired as Associate Director to provide daily direction. As part of this reorganization, Dr. Gobi Huluka was transferred to full-time teaching and research responsibilities in the CSES Department. Also, Dr. Charles Mitchell, Extension Soil Fertility Specialist, retired, and has been replaced by Dr. Audrey Gamble. The lab also had two technicians to retire in December, and we have been covering the labor needs with part-time (TES) and student workers.

Funding remains a challenge for the lab, but the Alabama Farmers Federation (ALFA) provided \$150,000 in funding to support instrument upgrades. We have replaced our pH robot, and we are in the process of purchasing a new ICP and a new nitrogen combustion analyzer. We expect to have these instruments implemented by the end of the summer.

Programmatically, we are trying to expand our current sample volume by reaching out to our traditional farmer clientele, as well as expanding into newer areas of service. We have partnered with livestock and forage Extension counterparts to encourage more soil and forage testing on pasture and hay production fields. We are working on a more user-friendly report form for our home lawn and garden and wildlife food plot customers. And, we continue to work to optimize the Soil Quality/Soil Health test so that it will be both reliable and useful for its intended purpose of encouraging farmers to use better soil-preserving and soil-enhancing production methods. Dr. Mitchell and Dr. Gamble will be presenting a discussion of this test during the technical session.

ARKANSAS (University of Arkansas Soil Testing and Research Laboratories, Marianna & Fayetteville – Nathan Slaton, Diane Lafex, and Cindy Herron

- The Marianna Laboratory analyzed 184,953 client samples in 2017 (Table 1). Grid samples (135,351) accounted for 73% of the total samples analyzed at Marianna. October and November continue to be the two busiest months with more than 98,000 analyzed in 2017. Turnaround time in 2016 was <14 days for 99% of the samples received.
- Sample numbers at the Fayetteville Laboratory were comparable to prior years (Table 1).
- Implementation of LabLite LIMS is in progress with programming ongoing. The first on-site training occurred in May 2017. Pilot testing and implementation is tentatively scheduled for late summer. Prenumbered boxes with a barcode will be used with the LIMS.
- The Fayetteville Lab added a new NIR instrument in 2017.

- The annual summary of soil-test data and selected soil fertility and plant nutrition research was published in the Wayne Sabbe Arkansas Fertility Studies 2016 which is available on-line <https://arkansas-ag-news.uark.edu/pdf/649.pdf>.
- Dr. Hatten left the Fayetteville Laboratory in February 2018 for other employment.
- Both labs are enrolled in ALP rather than NAPT in 2018.
- A video (soil test lab tour) was made in early 2018: <https://aes.uark.edu/research-locations/soil-testing-and-research-laboratory/Soil-testing-lab-virtual-tour.aspx>.

Table 1. Laboratory analyses performed by the University of Arkansas Fayetteville and Marianna laboratories during 2017 (January-December).

Sample Category	Fayetteville Lab	Marianna Lab	Total
Forage/Feed	1,073	--	1,073
Diagnostic Plant	252	--	252
Diagnostic Soil	275	--	275
Manures-Total	1,198	--	1,198
<i>Dry Manures</i>	1086	--	1086
<i>Liquid Manures</i>	208	--	208
Strawberry Monitoring	408	--	408
Orchard Monitoring	0	--	0
Growing Media	12	--	16
Plant Samples	7,678	146	7,678
Soil Samples	2,103	184,953	187,056
Prepared Samples	14,627	--	14,627
Totals	27,626	185,099	212,725

FLORIDA (Jamin Bergeron, University of Florida)

From June 1, 2017 through May June 30, 2018 the laboratories processed

Laboratory	Samples processed June 2017- June 2018	Samples processed June 2016-May 2017	Year to Year comparison
ARL (Analytical Research)	21937	11490	91% increase
ESTL (Extension Soil Testing)	15174	18087	16% decrease
EWQL (Environmental Water Quality)	195	2067	90% decrease
LWTL (Livestock Waste Testing)	470	386	22% increase

The laboratory purchased 2 Hamilton automatic dilutors this year and one new TKN digestion block from Seal. Last year the lab purchased an Elementar Vario Max cube CNS Analyzer and a LabFit pH robot. These instruments, pH robot and automatic dilutors, have helped the lab more efficiently process samples. The combustion methods are about to be introduced to extension clients. The standard soil fertility test is in process of being revised to include micro-nutrients with each sample submitted for \$10 price instead of \$12 currently.

The WebLIMS is being used in production, with lots of improvements happening. Many bugs and glitches are being worked through and around, but improvements are noted.

Personnel changes – the lab has recently lost one of the chemists and is in the process of hiring another right now. We have hired a new laboratory technician in the last month.

EWQL has an audit scheduled this summer with NELAC for accreditation purposes.

The ARL has been working on an extraction procedure for Boron in order to add to the list of analyses that we offer. The work has been challenging and has had a few learning curves for all involved, but progress has been made and results are pending.

Other improvements for 2018 will include cost savings measures to reduce supply costs, changes to ICP methods to lower reporting limits, reduce the number of dilutions and reanalyzes, etc.

GEORGIA (Jason Lessl University of Georgia)

UGA State Report - 2018

Sample #'s

Soil: 64,000

Manure: 1,400

Water: 8,700

Plant: 4,500

Feed: 7,300

Micro: 2,800

Proficiency Programs and Certifications

International Organization for Standardization ISO-17025

Assoc. of American Feed Control Officials (AAFCO)

American Oil Chemists' Society Laboratory Proficiency Program

Env. Resource Associates (ERA): Coliform and E. coli

MN Dept. of Agriculture Manure Analysis Proficiency

National Forage Testing Association (NFTA)

Agricultural Laboratory Proficiency Program (ALP)

NSI Solutions, Inc.

State of Georgia EPD (EPD): Drinking water microbiology

United States Geological Survey (USGS)

New Calculator's to help growers

Food Safety Modernization Act (FSMA) Calculator

Nitrogen Availability Calculator

New Extension Publications

Household Water Treatment: Disinfection Methods and Devices

Ensuring Safe Private Well Water for household use after a flood

KENTUCKY (Amanda Martin - University of Kentucky)

Kentucky Lab Report for 2018 SERA6

1. Sample numbers from 2017 (includes both Lexington and Princeton labs)

28,963: Agriculture samples

9,893: Home lawn and garden

1,067: Commercial horticulture

115: Greenhouse media

289: Animal waste

30: PSNT

6,483: Research samples

47,068: Total

2. Began analyzing ag lime samples fall 2016 for the state ag lime law administered by the Kentucky Department of Agriculture. About 140 samples are collected from our inspectors and analyzed per year. Results are posted on the soils web site and presented in soil test reports for quarry specific lime recommendations.

3. Princeton soils lab experienced a transition with a new manager in Fall 2016. Amanda Martin replaced Paula Howe who retired.

4. Princeton lab at Princeton Experimental Research Station is experiencing infrastructure changes as the entire station is undergoing renovation with new office and lab space to support a Grain and Forage Center of Excellence. Construction began spring of 2018 and is anticipated to be complete mid 2019.

5. Plans are being developed to add soil organic matter test via loss on ignition at the Lexington and Princeton labs. Also, plans are developing for adding plant tissue testing at the Princeton lab.

LOUISIANA (Jim Wang – University of Louisiana)

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MISSISSIPPI (Keri Jones – Mississippi State University)

The MSU-ES Soil Testing lab analyzed 18,000 soil samples and 504 tissue samples. The price for routine soils has increased to \$8.00 per sample.

NORTH CAROLINA (David Hardy and Kristin Hicks – North Carolina Department of Agriculture)

The Soil Testing Section analyzed 303,800 soil samples in FY2018. Reports issued with fertilizer/lime recommendations totaled 38,005.

The lab began measuring pH using 1:1 (V/V) 0.01 M CaCl₂ in September 2017. Water pH is reported to clients by adding 0.6 pH units to the salt pH reading. Study showed the buffer pH to be unchanged by the new method.

A 2nd pH robot was added to the lab and a custom-designed dispenser for salt pH and Mehlich buffer was placed into operation in September 2017.

Research continues with K validation study in soybeans and corn. These studies will be completed at the end of the summer, 2018. Research is being conducted in conjunction with faculty from NCSU- the Crop Science and Soil Science department.

Plant/Waste/Solutions/Media Section

New Services. Molybdenum was added as an available test for waste (to support composters), and solution and media (to support nursery/greenhouse industry). It is already available for plants.

New Equipment. We purchased a Fritsch Universal Cutting Mill PULVERISETTE 19 for

100-120 V/1~[~], 50/60 Hz, 1700 Watt, 2800/3400rpm for grinding Miscanthus, corn and other difficult to grind samples.

Research. 1) Nitrogen Management in Winter Barley to Obtain Malting Quality. We have finished year one of this study. 2) Development of plant sufficiency ranges for N, K and S in Industrial Hemp for field production of hemp seed. We are starting year 1 at 3 sites. 3) Pilot study to examine the effect of fertility on CBD and THC levels in industrial hemp. Beginning of year 1. 4) Greenhouse study to develop nutrient disorder identification in greenhouse hemp production. Beginning of year 1. 5) Blackberry study to evaluate fertility recommendations for double-cropped and single-cropped primocane-fruiting blackberries. Year 1.

Sample numbers. This year was a record year for plant tissue samples at >17,000 samples and also a record year for total samples at > 35,000 plant, waste, solutions and media samples.

OKLAHOMA (Hailin Zhang – Oklahoma State University)

1. The total number of samples analyzed was 68,403 in 2017, which is a historical high. We tested 43,760 soil, 4,549 water, 7,267 forage, 1,149 waste, 32 greenhouse growth media, and 11,529 various research samples during the year. Sample volumes have been gradually increased from about 32,000 in 1997 to the current volume.

2. A GC-head space CO₂ evolution determination was developed as one of the soil health parameters (<https://dl.sciencesocieties.org/publications/ael/articles/3/1/180008>).

SOUTH CAROLINA (Shannon Alford – Clemson University)

Soil samples ~54,000 and 7,500 research samples and some drinking water samples

TENNESSEE (Robert Florence – University of Tennessee)

Services: The University of Tennessee Soil, Plant, & Pest Center currently offers soil, plant disease, insect ID, plant tissue nutrients, and forage quality analysis. Soil analysis is split about even between farmers and homeowners. In calendar year 2017 we analyzed about 17,000 soil samples, 500 plant disease and insect ID's, 150 plant tissue, and 900 forage samples.

Personnel: The lab is currently staffed by a director, two office administrators, one plant diagnostician, and one soil & plant analyst. Hugh Savoy has retired and we are in the process of filling the extension soil scientist position.

Equipment upgrades: We had no equipment upgrades this past year.

Software upgrades: We had no software upgrades this past year.

TEXAS (Jake Mowrer – Texas A & M University)

About 46,000 soil samples

Fertilizer calculator developed; Master Gardeners outreach

NPS Research and deep soil profile sampling (up to 2 feet)

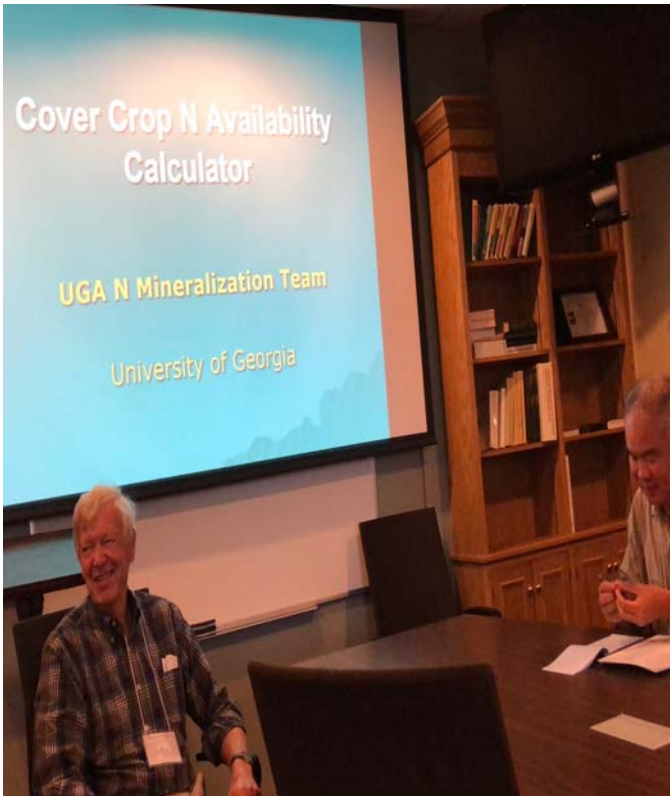
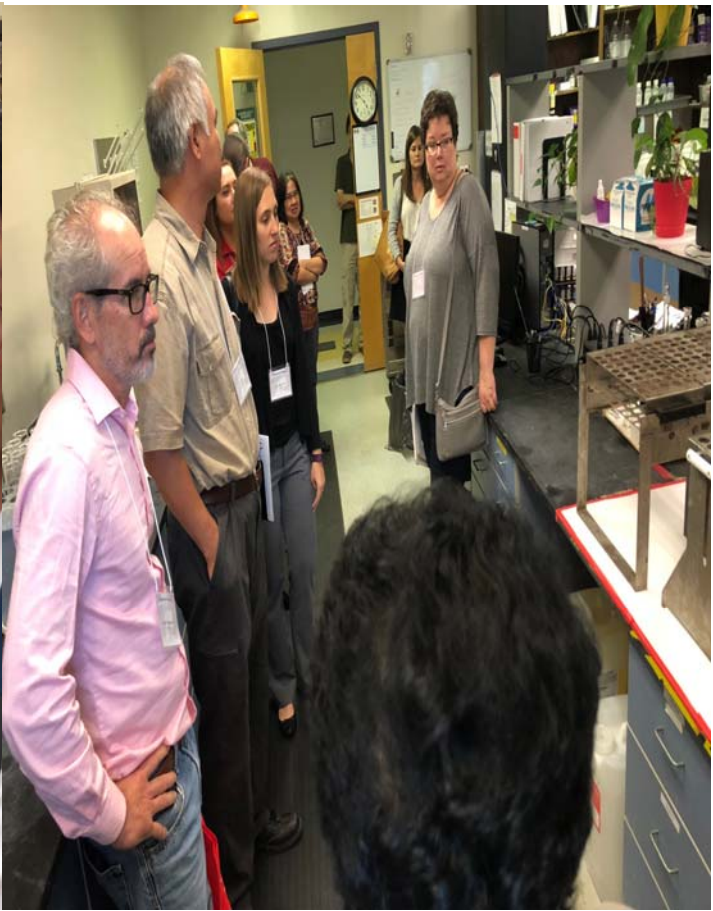
Compiled by Gobi Huluka

Some SERA-IEG 6 2018 Pictures (no captions necessary)









Thank you SERA-6 for the beautiful memories...

Leticia, you have been an important part of my professional career. Sorry to see you leave UGA lab, as I was one of your clients. You have been a key figure in building up the SERA-6 group, as it is now. Warm regards, and much success. David S.

It has been a privilege and honor to work with her over the years through many challenges and conference calls. Her hosting earlier this summer was a tour de force of excellence, as was her entire six-year leadership rotation. Her note below says volumes. Thank you! Larry O.

Leticia, I'm so glad I got to know you and we had a lot of fun at the meetings! Good luck to you in the future. I'm sure you'll be great at whatever you're doing. If you're ever around Clemson please look me up. Kathy M.

Leticia- Congratulations on continuing to forge ahead. Look forward to hearing about the enthusiastic and good work as always. Best! -- Rao M.

Leticia
When you land, send me your new email! And best of luck, I'll miss you.
Deanna O.

Hi Leticia,
Congratulations on your new job. Your input at UGA and SERA6 will be hard to replace. Best of luck in all of your future adventures!
Nancy W. (retired)

Let me add my congratulations and best wishes in your new professional opportunity. Although I have not been associated with SERA-6 for long, I have appreciated your collaboration during my time with GDA and more recently at Auburn. Thanks again for your help and support. Please let me know if I can be of service in your new position. -- Reuben B.

Hi Leticia,
Congratulations on your new job and I assure it matches your professional interest and career goals. I am sad to know you will be leaving UGA as your participation will be greatly missed at the SERA-6 meetings. Wishing you well in your new position and will be looking forward to meeting you at the professional society meetings! All the best!
Manjula N.

Thank you for all of your hard work and effort on behalf of SERA 6. You have been a huge asset and made a big impact. -- Nathan McKinney
Farewell, Leticia!
Your leadership skills, warm personality, and hospitality were on display in Athens earlier this summer. We will all miss you and we wish you the best.
Tom Obreza

Leticia, Thanks for what you have done for SERA-6 and the agricultural testing industry and best wishes to your future endeavor.
Hailin Z.

Congrats and good luck with the new job. Your smile and leadership will be missed, let me know if I can ever help you. Cheers, Nathan S.

But it is difficult to find an amazing personality like you and Saha! I hope this also workout for the family.
Bhupinder

Leticia:
Congrats on your new position. You have been a great contributor to the SERA-6 and Mid-Atlantic work groups and through your leadership both organizations have thrived. I wish you the best in pursuing your goals in the new position and hope to continue to work with you in the new position. All the Best! --- Bob M.

Dear Leticia,
You have been instrumental in making SERA 6 the most active group among its peers. You will be missed immensely. I do wish you all the best in your new research and leadership job.
Gobi

Leticia,
You're breaking my heart here. Since I started my career you have consistently been one of the best parts of all the soil meetings. I really hope we do get to see you around more often than not. Are you still going to be working in the soil testing sector?
I wish you the best, but I'm going to miss having you at UGA terribly.
Josh M.

Leticia,
Congratulations! I am excited for this opportunity that you have. I know it must be a strong desire. Thank you for your leadership and friendship as I have gotten to know you over several years with SERA6 and Mid-Atlantic. I have greatly valued and enjoyed all of our interactions! Do hope that we can continue those in your upcoming position if that allows. Please let me know if I can support you in the future. Best wishes in this new position and life as it unfolds.
Sincerely, David H.



Leticia,
It was a pleasure and honor to know you. I hope to meet you in the meetings. Good luck in your new position. - Morteza M.

Best wishes Leticia. You'll be greatly missed!
Steve H.

Leticia,
Many well wishes and good luck in the next stage of your career.
Frank S.

Leticia,
We will miss your enthusiasm in soil testing! Best wishes and good luck! -- Jim W.

Leticia, good luck and much success on your new job.
Doug Carroll, Retired and loving it.

I wish you success in your new position. Thanks for your work in SERA 6, and I am sure I will meet you in our Soil Sci. Society's meetings.
Sincerely
Eugenia

Congratulations Leticia! You will be missed!
Kendal H.

Wishing you much success on your new journey! --- Cindy H.

Congratulations and best of luck. Glad for you. Keep in touch. Bob D.

Thank you Leticia for the memories!!! (Late addition)