

MISSISSIPPI
ACADEMY OF SCIENCES



**Second Annual
Summer Student Science
Symposium**

Thursday, July 26, 2018

**Location: Mississippi State University
The Bost Conference Center
Starkville, MS 39762**

Major Sponsors

**Office of the Vice President for Research and
Economic Development, MSU**

Mississippi Research Consortium

**Southeast Area Director's Office,
USDA-ARS, Stoneville, MS**

Cotton Incorporated

Bagley College of Engineering At MSU

**Division of Agriculture, Forestry & Veterinary
Medicine at MSU**

University of Mississippi Medical Center

Symposium Chairs:

Dr. Sukumar Saha, Chair
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Dr. Jason Keith, Co-Chair
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Dr. Scott T. Willard, Co-Chair
swillard@cals.msstate.edu

Dr. Ham Benghuzzi, MAS Divisional Advisor
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**Mississippi Academy of Sciences:
What We Do**

Communication Among Scientists

Each year, the Academy holds an annual meeting to present addresses, symposia, workshops, scientific papers, and exhibits of interest to its members. Research is presented in divisional meetings as podium or poster format. The meeting provides an excellent forum for members to exchange ideas and information. MAS publishes abstracts of the presented papers as part of the meeting program and as a supplement to its annual Journal.

The Academy also publishes *Science in Mississippi* (the Journal of the Mississippi Academy of Sciences). *Science in Mississippi* contains news and articles of interest to members and the scientific community. The Academy also helps to coordinate and organize scientific seminars and symposia in Mississippi.

Science Education

The Academy encourages potential scientists, engineers, and mathematicians through its youth activities. MAS sponsors the Mississippi Junior Academy of Science and participates in the Westinghouse Science Talent Search and other science-related programs at several educational levels. A number of research awards and grants are also available from MAS. The Academy encourages science education activities and programs throughout the state and maintains a liaison with the Mississippi Museum of Natural Science.

Assistance to the Community

MAS provides an inventory of science and technology expertise within the state. This information is available to members, state government agencies, the state legislature and other appropriate organizations and institutions. When called upon by state government, the Academy also offers information and counsel concerning science-related problems.

(<http://msacad.org>)

Summer Student Science Symposium

Goal: The symposium is designed to bring student researchers (undergraduates and graduates) across all branches of science divisions to present their research findings through **poster presentations** and interact with their peers and the scientific communities; explore career opportunities; make personal contacts that can lead to job opportunities; receive information from potential employers; enhance communication and networking skills; establish professional relationships; find out about internships and job opportunities with companies, universities, and USDA-ARS.

Who should attend: Students conducting research in the areas of agriculture and plant sciences; molecular biology, pathology, entomology, genetics, chemistry, health sciences, outcomes and population, all divisions of engineering or related subjects are highly encouraged to participate and compete for prestigious awards. Exhibitors from local vendors, institutions, companies interested in recruiting young students for their programs are encouraged to participate in the symposium. There will be three levels of booth exhibits are offered:

- **Standard Booth \$200**
- **Gold Booth \$300**
- **Diamond Booth \$500**

Awards and Recognitions: The first, second, and third place of poster presentations (Undergraduate and Graduate) will receive a Certificate and cash awards; and fourth, fifth, and sixth will receive Certificates; all student participants will receive honorable mention certificate from the Mississippi Academy of Sciences.

Poster Abstract Submission: All abstracts will be reviewed and applicants will be notified of their abstract acceptance no later than June 30, 2018.

Program Committee Coordinators:

1. **Scientific Committee Coordinator:**
Dr. Raja Reddy
Mississippi State University
2. **Local Arrangement Coordinator:**
Dr. Te-Ming Paul Tseng
Mississippi State University
3. **Student Awards Committee Coordinator:**
Dr. Michelle Tucci,
University of Mississippi Med Center

Deadlines:

Abstract Submission deadline: June 15, 2018

(See Website for Abstract Format at (<http://msacad.org/>))

Registration*	Fee	Deadline
Mentors	\$50	7/1/2018
Student Presenters	\$40	7/1/2018
Attendees and Non-Presenter	\$65	7/15/2018
On-site Registration	\$75	7/26/2018

*Registration fee included: Lunch, Coffee, Tea, Beverages, Snacks, program booklet and info, and access to all events.

*Presenters must register upon acceptance of abstracts

Marvelous Door Prizes will be provided during coffee breaks

Event detail will be announced soon through MAS website (<http://msacad.org/>)

Tentative Program

8:00-11:00 A.M.: Registration and Poster Set Up

Time	Event
9:00-9:15 AM	Opening of the event by Dr. Sukumar Saha
9:15-9:20 AM	Dr. Ken Butler, MAS President
9:20-9:45 AM	Keynote #1 and Host Institution Welcome Remarks: Dr. David Shaw, Vice President for Research and Economic Development, MSU. Title: <i>Research for the 21st Century and Beyond</i>
9:45-10:10 AM	Keynote #2: Dr. Kater Hake, Vice President of Agricultural & Environmental Research, Cotton Incorporated Title: <i>The Science and Skills that Will Power Farming's Future</i>
10:35-11:00 AM	Coffee Break
11:00-10:25 AM	Keynote #3: Dr. Babu P. Patilola, Dean and Professor of Biology Alcorn State University Title: <i>Indispensable strategies to be a standout student: Going back to basics</i>
11:25-11:55 AM	Keynote #4: Dr. Ham Benghuzzi, Executive Director of Mississippi Academy of Sciences Title: <i>MAS: 82 Years of Science and Engineering Legacy</i>
11:55-11:59 AM	Dr. Michelle Tucci, Chair of Student Awards Committee and JMAS Chief Editor, University of Mississippi Medical Center
12:00-1:15 PM	Lunch Provided
1:15-3:00 PM	Student Poster Presentations and Judging
3:00-3:15 PM	Coffee Break
3:15-4:00 PM	Awards Ceremony and Student Completion Winners Announcements
4:00-4:10 PM	Dr. Sukumar Saha, Event Coordinator; Closing Remarks

<http://msacad.org>

Student Awards: Best poster presentations will be selected by expert judges according to MAS guidelines. There will be three student award categories with five winners in each. In each category, the first, second and third place winners will receive cash and certificates, and fourth and fifth places will receive an honorable mention certificates. All 15 winners from three categories will receive complementary one year membership to MAS. The categories for outstanding student poster presentations are: (1) Undergraduate, (2) Graduate, and Post-Doc/Residents.

Driving Direction: From Highway 12 (traveling East) – Stay on Highway 12 until the light at Spring Street (Hampton Inn is on the right). After the light, the highway divides. Stay right to the Columbus 82 lanes. **Do not go left to the MSU lanes.** Turn right at the next light (Russell Street.) Turn left at the first road. The Bost Extension Center is the four-story building in front of you

From Highway 25 South – Follow Highway 25 to Highway 12 intersection and turn right on Highway 12. Go four lights to Spring Street and follow directions from Highway 12 above.

From Highway 25 Bypass – Take the Starkville exit and after coming to the end of a curved off ramp, at the traffic light turn left onto Highway 12 (under a bridge, Wal-mart is on the left) and go straight. You are now on Highway 12. Go several miles and follow Highway 12 direction about.

From Highway 82 West - Take the third exit, which is the Highway 12 West/Mississippi State University Exit. Stay on this road to the first light (Russell Street), and turn left. Turn left again at the first road. The Bost Extension Center is the four-story building in front of you.

From Highway 82 East – After taking the Starkville exit, merge onto Hwy 182. Turn left

at the first intersection past the Highway Patrol Station (left of the highway) at MSU Entrance. Go straight at the 4-way stop. Will come to a second 4-way stop; turn right onto Barr Avenue. The football stadium on left; go straight at the 4-way stop. Turn left on the first road to the left. Bost Extension Center is the four-story building in front of you.

From Tupelo or West Point. on Highway 45 Alt. South - merge right onto Highway 182 towards Starkville (will see sign). Take next Starkville exit (curved off ramp turning right) and merge right onto Highway 182. Turn left at first intersection past the Highway Patrol Station (left on Highway) at the MSU Entrance. Go straight at the 4-way stop. Turn right onto Barr Avenue at the second 4-way stop. The football stadium is on the left; go straight at the 4-way stop. Turn left on the first road to the left. Bost Extension Center is the four-story building in front of you



MISSISSIPPI RESEARCH CONSORTIUM

