



Action in Agroforestry

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Michael Gold and Hannah Hemmelgarn, editors

Welcome Dr. Namrita Lall, New Adjunct Professor in MU School of Natural Resources

Welcome Dr. Namrita Lall, Professor at University of Pretoria, South Africa, a new Adjunct Faculty member in the MU School of Natural Resources. Dr. Lall's program is known for developing biobased skin care products (antimicrobial, anti-inflammatory) using natural phytochemicals. More than 10 commercial products have been launched in South Africa and European countries resulting from Prof. Lall's research program.

Dr. Lall is an active member of the MU-South African Partnerships Program and partner of the Missouri South African Education Program (UMSAEP), and has interacted with faculty members from CAFNR, the MU School of Natural Resources and in particular, Dr. Chung-Ho Lin of the Center for Agroforestry (UMCA).



Dr. Lall and SNR/UMCA scientists have initiated an international collaboration on medicinal plant science and natural product research, particular in the areas of compound profiling, metabolomics, high-throughput screening and skin care applications. Dr. Chung-Ho Lin is currently participating in the 44th Annual Conference of the South African Association of Botanists sponsored by University of Pretoria, South African National Biodiversity Institute and South African Association of Botanists, to facilitate knowledge exchange and collaboration efforts.

Dr. Lall and Scientists at CAFNR, SNR, and UMCA are currently developing several research proposals to sustain the research activity. In addition, Dr. Lall and UMCA scientists are working closely together with several companies in the private sectors, such as SanBio, to secure funds for supporting the partnership. Dr. Lall's program has access of the than 20,000 plant species in South Africa and their traditional use to treat skin disorder. UMCA and SNR scientists have been working closely with Dr. Lall's program to integrate the knowledge generated from Dr. Lall's program with the support of MU Life Science Center, MU Cells and Immunobiology Core, MU Animal Core, MU Metabolomic Core, KU High-Throughput Screening Facility to provide the scientific evidence that supports their pharmacological and therapeutic potential to safely and effectively treat disease.

KUDOS

Welcome to **Daniel Allen**, newly admitted online Agroforestry MS student, starting Spring 2018, working with Dr. Michael Gold.

Congratulations to the **Missouri Department of Conservation** for their sustainable forestry efforts. MDC announced this year that 653,428 acres of state land have been certified by the Sustainable Forestry Initiative (SFI) for the 2015-2019 Forest Management Standard.

UPCOMING EVENTS

Women in Agriculture Roundtable Discussion

1:00pm – 4:00pm / Jan. 23, 2018 / Bradford Research Center, 4968 S. Rangeline Rd, Columbia, MO 65201

Lincoln University Horticulture Program, in partnership with USDA Natural Resource Conservation Service (NRCS) would like to invite you to attend a roundtable discussion designed to help resource professionals in Missouri better serve our hardworking farmers and producers. This discussion is an opportunity to help us better understand your needs.

More information: Joyce Rainwater 314-800-4076 or Rainwater@lincolnu.edu

Agroforestry Symposium: Soil Health in Diverse Cropping Systems

8:30am – 6:00pm / Jan., 25, 2018 / Bond Life Sciences Center, Columbia MO

Invited speakers include:

Dr. Wayne Honeycutt, Soil Health Institute – *Priorities for Advancing Soil Health Management Systems*

Dr. Amelie Gaudin, UC Davis – *Soil Health and Promoting Multi-functional Agriculture Systems*

Sara Parker Pauley, Director, Missouri Department of Conservation – *Healthy Soils: The Missouri Partnership*

Dr. Nick Goeser, Soil Health Partnership – *Farmer Collaborative Research through the Soil Health Partnership*

Plus two panel discussions:

Farmer Perspectives on Enhancing Soil Health;

Programs and Agency Coordination for Soil Health in MO

Program details and **live streaming option** at <http://centerforagroforestry.org/events/symposia.php>

Seminar: Livestock Performance in Silvopasture Systems

9:00am – 10:00am / Feb. 9, 2018 / Room 210 ABNR Bldg. MU Campus, Columbia, MO

Dr. Gabriel Pent, Ruminant Livestock Systems Specialist, Virginia Tech.