

Mite-y Talks: 2023 International Webinar Series

The **Acarological Society of America (ASA)** is pleased to present to you our second year of international webinar series. The aim of our web series is to showcase research in acarology and make it accessible to a broader audience. We feature acarologists who have largely contributed to the study of Acari through a career of innovative research in multiple subfields of acarology. Join us to learn more about their research and ask questions!

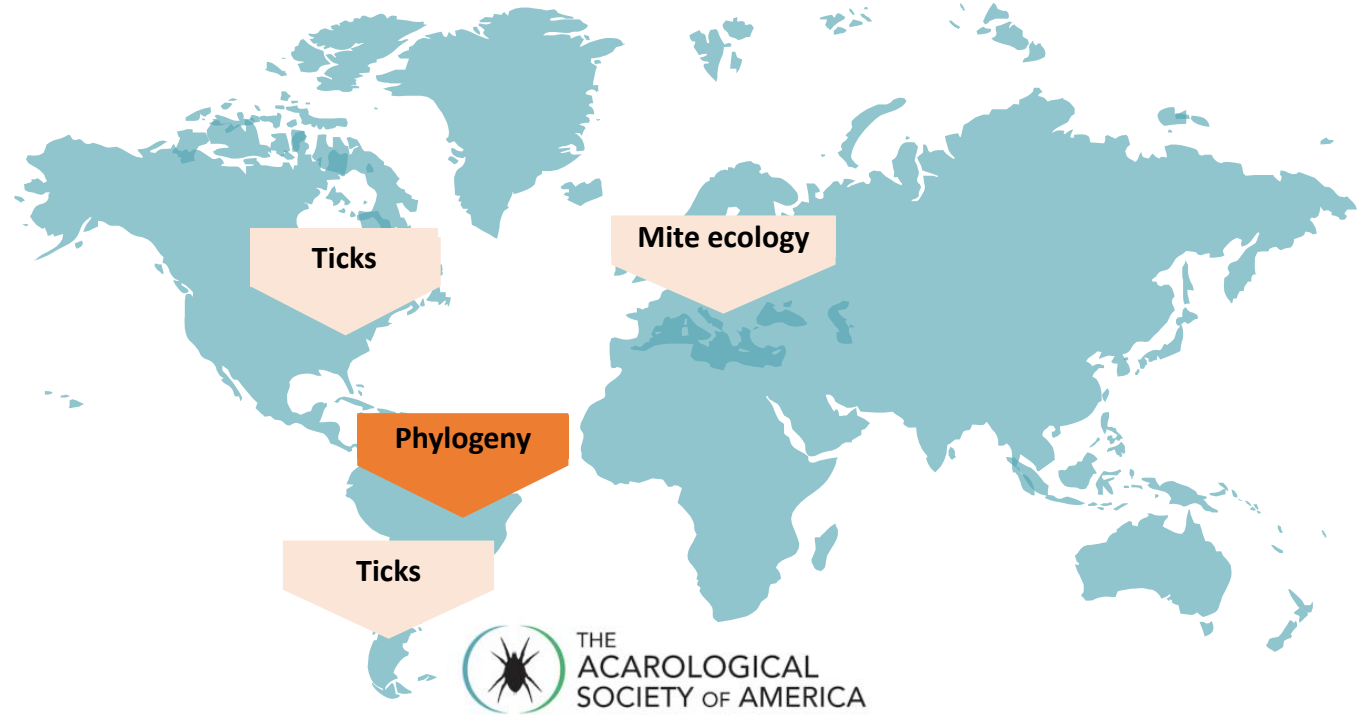
This month, we will be hearing from Dr. Almir Pepato, Associate Professor at Universidade Federal de Minas Gerais, Brazil:



Dr. Almir Rogerio Pepato

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Old but gold: surprises from Sanger sequencing on Acariformes phylogeny

Analysis of molecular data found that megadiverse Parasitengona is closely related to aquatic, mostly marine, Halacaroidea. Parasitengona presents six independent ancient lineages, with unresolved phylogenetic relationships: Stygothrombiidae, Allotanaupodidae, Calyptostomatidae, Trombidiina, Erythraeoidea and Hydrachnidia. In Trombidiina a clade consisting of the families Johnstonianidae, Chyzeridae, Neotrombidiidae and Trombellidae and another comprising the remaining families was recovered. Among Halacaroidea, four transitions from the marine to freshwater were recovered, two recent (in genera) and two dating from the Paleozoic, one comprising the genera *Limnohalacarus*, *Soldanellonyx*, *Porohalacarus*, *Porolohmannella*, and the genus *Lobohalacarus*. Limitations of approaches on sampling and divergence time inference techniques will also be discussed.



Wednesday,
July 12, 2023
2 PM (ET)



Registration Link:

<https://ufl.zoom.us/meeting/register/tJMldOyhrT8vGtPkI8XB8IKo3z6Z8JRIgTP>



<https://www.youtube.com/channel/UChhTYCYByN0W8E9b-NiRTgA>



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