

00:22:46 Katharyn Duffy Woods: Welcome all! Please remember to sign in for today's seminar regardless of your affiliation. This is essential for our NSF reporting:
<https://forms.gle/qAvYxaoiEeTmCa7J9>

00:26:44 Katharyn Duffy Woods: I share your experience Ruth, I had 1 female faculty member in my undergrad degree

00:26:51 Katharyn Duffy Woods: Welcome all! Please remember to sign in for today's seminar regardless of your affiliation. This is essential for our NSF reporting:
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00:28:22 Kiona Ogle (she/her): I only had ONE professor in my Grad studies at Duke, and she was in the stats department, and I found her to be a unique and valuable resource!

00:29:15 Ted Schuur: We think things are great for women in science, and they are in biology/ecology .. does this extend to all fields?

00:30:05 Kimberly Samuels-Crow: In the meantime, 12 people have not signed in yet - here is the link!
<https://forms.gle/qAvYxaoiEeTmCa7J9>

00:32:28 Jenna Keany: I've had many great women professors, however seeing women as PI's was less common (many women as teaching professors).

00:32:41 Katharyn Duffy Woods: Don't worry Ruth, the recording is just for students/internally

00:32:55 Katharyn Duffy Woods: *internal use

00:35:22 Kiona Ogle (she/her): red = P; green = N.

00:35:57 Nancy Johnson: soil pH has a big effect on P availability

00:42:02 Katharyn Duffy Woods: Welcome all! Please remember to sign in for today's seminar regardless of your affiliation. This is essential for our NSF reporting:
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00:51:07 Katharyn Duffy Woods: Students: remember to gather questions, they count for your seminar summary which you can submit here: <https://forms.gle/iW72oQJUukw9RvJ5A>

00:51:58 Andrew Richardson: Feel free to speak up if you have questions!

00:52:30 Camille Gaillard: Could it be that applying P fertilizer somehow damaged the roots? What's the likelihood that the method to apply fertilizer makes a difference? Also, different fertilizers favor the growth of different parts of a plant, so can we compare their effect on a single part of the plant?

00:55:58 Ted Schuur: Is there any correlation between tree size and species?

00:57:57 Ellery Madeleine Vaughan: A few questions: Have you observed an effect of P addition on the total N soil pool and vice versa?
Do you expect warming temperatures will lead to increased decomposition rates and subsequently increased nutrient mineralization and greater nutrient availability in your system with time as climate change progresses? What was the source you mentioned for young stands responding more strongly than intermediate or old to nutrient addition? Have you observed shifts in understory species composition in response to fertilization by N, P or both? Thank you!

00:58:53 Camille Gaillard: Did you consider how N and P mineralize in these types of soil?

00:59:12 crs658: Do you have any estimate of the relative increase of fine roots to increases in aboveground biomass?

01:00:38 Kimberly Samuels-Crow: That sounds fun

01:02:02 Camille Gaillard: Sorry, I don't have camera and mic at the office

01:02:04 Ellery Madeleine Vaughan: What advice to you have for people who want to start incorporating uncertainty analysis into ecosystem budgets in their studies?

01:03:10 Nancy Johnson: Have you tried to measure the amount of mycorrhizal hyphae in the soil?

01:06:06 Brittany Rose Schweiger: How might climate change affect which is more limiting, N or P?

01:06:15 Jenna Keany: I loved the idea of polling your lab for figure ideas using crayons. I was wondering what other techniques have you used in your lab to foster successful collaboration and participation?

01:10:00 Nancy Johnson: Do you think that when systems are fertilized, plants may reduce allocation to mycorrhizal symbioses and shift into using their own roots instead? We see that in herbaceous plants.

01:11:24 Brittany Rose Schweiger: Thank you!

01:13:45 Jenna Keany: Thanks!

01:21:06 Blase Lasala: Thanks!