

SABER SEMINAR SERIES

SPRING 2023

QuantCrit as a Methodological Framework to Support Equity and Justice in Chemistry Education Research

Thursday
Feb. 2nd, 2023

9 am PT, 10 am MT,
11 am CT, 12 ET

Paulette Vincent-Ruz

📍 NM State University ✉️ pvr@nmsu.edu

The myth of meritocracy obscures the reality of injustice manifesting as educational debts along gender, racial, and other marginalized identities. Particularly, in Discipline-Based Education Research (DBER), the study of equity and justice problems centers theoretical and methodological practices that perpetuate the racism-race reification process and fails to provide insight that can dismantle an unjust system. In this talk, I will present (1) the “Resources for Equitable Activation of Chemical Thinking Framework”, a framework I proposed to center equity theories in Chemistry Education Research, and (2) my QuantCrit methodological approach. I will apply this equity-centered approach to unearth a counterstory to traditional and harmful explanations of the “underperformance” of Black students in an Introductory Chemistry course. Furthermore, I will show how this equity-centered approach allows us to reach conclusions with practical implications that improve instructors' practice, and better support their marginalized students. Finally, I will present how both my theoretical and methodological perspectives will be applied to build an Equity-Centered Research Program that aims to solve both theoretical and practical issues in Chemistry Education Research.



Follow the link to join or scan the QR code below:

<https://asu.zoom.us/j/81604207167>

