Collaboration and Cause: Fragile Alliance on Behalf of Mayan Bees

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When a problem turns into a cause

- Transdisciplinarity involving humanities
- Interspecies or more than human approach
- Interculturality
1. Transdisciplinarity

Dialogues of knowledges and memories
Environmental Transdisciplinary Humanities Transform our Ways of Thinking
The World According to Amaranth: Interspecies Memory in Tehuacán Valley
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Indians had come to recognize that their fate and the fate of amaranth was one and the same.

—John N. Cole, *Amaranth: From the Past for the Future*

According to Toledo and Barrera-Bassols, *biocultural memory* is a knowledge of the environment with its multiple forms of life relevant to human survival that allows us to continue inhabiting the planet. The concept involves human subjective perception of the environment as a space of life where we establish relationships with different creatures that help us satisfy our needs. In this essay, I stretch this concept to see memory as an inter-active hybrid material and semiotic process occurring between humans and certain elements of the nonhuman environment.
HUMANITIES AND BIOLOGY AND ENTOMOLOGY
Collaboration with Sainath Suryanarayanan
La Venganza del Amaranto

o como la soja
y la fumigación
enferman y matan
HUMANITIES AND TOXICOLOGY, Collaboration with Angel Polanco
CONCEPT: BODY IN THE CONTEXT OF TOXICITY
• Both interspecies constellations: Milpa-Melipona-Maya and the industrial agriculture encompassing GE-soy, pesticides, Mennonites (and some others including Mayans) have formed around themselves networks of technologies whose powers are both productive and destructive, and whose very manifestations are however, radically dissimilar.

(2) (PDF) MILPA MELIPONA Maya.

• We are sure that economy, land tenure and politics constitute principal factors of transformation in Hispanic agricultures, but we believe that the stories told from these perspectives can be enriched if we appreciate what Birgit Müller (2015) calls “agentivity” of nonhumans, such as the milpa plants and Melipona bees in the case of Yucatec Mayans.
3. Interculturality and ... back to Trancidiciplinariness in conclusion