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DOCTORAL SCHOOL DEPARTMENT
Domain: Education Sciences
Doctoral supervisor:
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RESEARCH DOMAIN: EPISTEMIC COGNITION

Proposed themes and references for research

General references

- Florin Frumos, (2023) *Cogniția epistemică. Fundamente și implicații în educație*, Editura Polirom, Iași.
- Greene, J. A., Sandoval, W.A., & Brăten, I. (Eds.). (2016). *Handbook of epistemic cognition*. New York: Routledge.
- Chinn, C. A., Buckland, L. A., & Samarapungavan, A. L. A. (2011). Expanding the dimensions of epistemic cognition: Arguments from philosophy and psychology. *Educational Psychologist*, 46(3), 141–167.
- Chinn, C. A., Rinehart, R. W., & Buckland, L. A. (2014). Epistemic cognition and evaluating information: Applying the AIR model of epistemic cognition. In D. Rapp & J. Braasch (Eds.), *Processing inaccurate information: Theoretical and applied perspectives from cognitive science and the educational sciences* (pp. 425–453). MIT Press.

1. Early epistemic cognition

- Burr, J. E., & Hofer, B. K. (2002). Personal epistemology and theory of mind: Deciphering young children's beliefs about knowledge and knowing. *New Ideas in Psychology*, 20, 199–224.
- Wellman, H. M. (2011). Developing a theory of mind. In U. Goswami (Ed.), *The Wiley Blackwell handbook of childhood cognitive development* (2nd ed., pp. 258–284). Oxford, England: Wiley-Blackwell.
- Sodian, B., & Kristen, S. (2016). Theory of mind. In J. A. Greene, W. A. Sandoval, & I. Brăten (Eds.), *Handbook of epistemic cognition* (pp. 68–85). New York, NY: Routledge.

2. Epistemic emotions

- Pekrun, R., & Linnenbrink-Garcia, L. (Eds.). (2014). *International handbook of emotions in education*. New York, NY: Taylor & Francis.
- Reinhard Pekrun R., Vogl E., Muis K., & Sinatra G., (2016): Measuring emotions during epistemic activities: the Epistemically-Related Emotion Scales, *Cognition and Emotion*, 31.

3. Disciplinary Perspectives on Epistemic Cognition (Epistemic cognition in Science; in History; in Mathematics; in Literature)

- Elby, A., Macrander, C., & Hammer, D. (2016). Epistemic cognition in science. In J. A. Greene, W. A. Sandoval, & I. Bråten (Eds.), *Handbook of epistemic cognition* (pp. 113-127), New York, Routledge.
- VanSledright, B. & Maggioni, L. (2016). Epistemic cognition in history. In J. A. Greene, W. A. Sandoval, & I. Bråten (Eds.) *Handbook of epistemic cognition* (pp. 128–146). New York: Routledge.
- Depaepe, F., De Corte, E., & Verschaffel, L. (2016). Mathematical epistemological beliefs: A review of the research literature. In J. A. Greene, W. A. Sandoval, & I. Bråten (Eds.), *Handbook of epistemic cognition* (pp. 147–164). New York, NY: Routledge.
- Lee, C. D., Goldman, S. R., Levine, S., & Magliano, J. (2016). Epistemic cognition in literary reasoning. In J. A. Greene, W. A. Sandoval, & I. Bråten (Eds.), *Handbook of epistemic cognition* (pp. 165-183), New York, Routledge.

4. Epistemic cognition interventions

- Greene, J. A., Yu, S. B. (2016), Educating Critical Thinkers: The Role of Epistemic Cognition, *Policy Insights from the Behavioral and Brain Sciences*, Vol. 3(1) 45–53.

4. 1. Teachers' epistemic cognition

- Lunn Brownlee, J., Schraw, G., Walker, S., & Ryan, M. (2016). Changes in preservice teachers' personal epistemologies, in Greene J., A., Sandoval, W. & Braten, I., (Eds.) *Handbook of epistemic cognition*, Routledge, Taylor and Francis. NY and London.
- Merk S., Rosman T., Rueß J., Syring M., Schneider J. (2017). Pre-service teachers' perceived value of general pedagogical knowledge for practice: Relations with epistemic beliefs and source beliefs. *PLoS ONE* 12(9): e0184971. <https://doi.org/10.1371/journal.pone.0184971>.
- Smith, M., (2016), Examining the Relationship between a Sophisticated Personal Epistemology and Desired Pedagogical Practices in Trainee Teachers, *Journal of Education & Social Policy* Vol. 3, No. 3.
- Buehl, M. M. & Fives, H. (2016). The role of epistemic cognition in teacher learning and praxis, in Greene J., A., Sandoval, W. & Bråten, I., (Eds.) *Handbook of epistemic cognition*, (pp. 247-264), New York, Routledge.

4. 2. Students' epistemic cognition

- Ryu, S & Sandoval, W. A. (2012). Improvements to elementary childrens' epistemic understanding from sustained argumentation. *Science Education*, 96(3), 488-526.
- Bendixen, L. D. (2016). Teaching for epistemic change in elementary classrooms. In J. A. Greene, W. A. Sandoval, & I. Bråten (Eds.), *Handbook of epistemic cognition* (pp. 281–299). New York, NY: Routledge.
- Muis, K. R. Trevors, G., & Chevrier, (2016) M. Epistemic climate for epistemic change. In J. A. Greene, W. A. Sandoval, & I. Bråten (Eds.), *Handbook of epistemic cognition* (pp. 331-359), New York, Routledge.