Doctoral Proficiency Examination- Science Education Reading List

1. Koballa, T.R., & Glynn, S.M. (2007). Attitudinal and motivational constructs in science learning. In S. K. Abell & N. G. Lederman (Eds.), Handbook of Research on Science Education (pp. 75-85). New Jersey: Lawrence Erlbaum Associates (10 pages)

2. Lederman, N.G. & Lederman, J.S. (2019). Teaching and learning nature of scientific knowledge: Is it Déjà vu all over again? Disciplinary and Interdisciplinary Science Education Research, 1(6), 1-9. https://doi.org/10.1186/s43031-019-0002-0 (9 pages)

3. Lederman N.G., Antink, A. & Bartos, S. (2014). Nature of science, scientific inquiry, and socio-scientific issues arising from genetics: A pathway to developing a scientifically literate citizenry. Science & Education, 23, 285–302. DOI 10.1007/s11191-012-9503-3 (18 pages)

4. Jones, M. G. & Carter G. (2007). Science teacher's attitudes and beliefs. In S. K. Abell & N. G. Lederman (Eds.) Handbook of Research on Science Education (pp. 1067-1082). New Jersey: Lawrence Erlbaum Associates (15 pages)