List of Journal Articles Read During Summers of 2015 and 2016 (in order of access)

JEE (Journal of Environmental Engineering), Oct. 2012, Vol.101, No. 4, *Engineering Identity Among Pre-Adolescent Learners* B.M. Capobianco, B.French, H.A. Diefes-Dux

JEE July 2012, Vol. 101, No. 3, *Engineering in the K-12 STEM,* R. Carr, L.D. Bennett IV, J. Strobel

JEE April 2011, Vol. 100,No.2, *What is an Engineer? Implications of Elementary School Students' Conceptions of an Engineer,* B.M. Capobianco, H.A. Diefes-Dux, I. Mena, J.Weller

JEE January 2015, Vol. 104, No.1, *The Making of a Whole New Engineer: Four Unexpected Lessons for Engineering Educators and Education Researchers*, David Goldberg and Mark Somerville (editorial)

JEE July 2011, Vol. 100, No.3, *Precollegiate Engineering Experiences Influencing Student Self-Efficacy*, T.D. Fantz, T. Siller, M. DeMiranda

International Journal of Science Education, 14 April 2006, Vol.28, No. 5, *The Language Demands of Science Reading in Middle School*, Zhihui Fang

Case Studies:

The Past Foundation, Aug. 10, 2012, *Moriss Math and Engineering: A Case Study of K-5 STEM Education Program Development*, Monica S. Hunter

Journal of Professional Issues in Engineering Education and Practice, Vol. 139, No. 2, April 2013, *Partnerships and Experience In Building STEM Pipelines*, Patricia A.S. Ralston, Jeffrey Hieb, Gary Rivoli

Journal of Pre-College Engineering Education Research 1:2 (2011) 1-13, *STEM Integration: Teacher Perceptions and Practice*, Wang, Moore, Roehrig and Park (University of Minnesota)

JEE, October 2012, Vol.101, No.4, *The Informed Design and Teaching Matrix*, D.P. Crismond and R. Adams

JEE, Oct. 2001, *A K-12/ University Partnership: Creating Tomorrow's Engineers*, J. DeGrazia, J. Sullivan, L.E.Carlson, and D.W. Carlson

JEE, July 2008, *Advancing Engineering Education in P-12 Classrooms,* Sean Brophy

JEE January 2001, Vol. 90, Issue 1, *Assessing K-12 Pre-Engineering Outreach Programs*, Poole, DeGrazia, Sullivan

Journal of Science Education for Students With Disabilities, Winter 2013/2014, Vol.17, No. 1, *Signs of Autonomy: Facilitating Independence and Inquiry in Deaf Science Classrooms*, Kahn, Feldman,Cooke

School Science and Mathematics, April 2111, Vol.111, Issue 4, *Exploring the Responses of Underrepresented Students in Science to an Elementary Classroom Outreach Program*, Shanahan, Pedretti, DeCoito & Baker

JEE October 2013, Vol. 102, Issue 4, *Engineering Design-Base*d *Sciences, Science Content Performance and Science Attitudes in Elementary School*, Wendell and Rogers

School Science and Mathematics, October 2014, Vol. 114, Issue 6, *STEM Teachers Planned and Enacted Attempts at Implementing Engineering Design-Based Instruction,* Capobianco and Rupp

(on Georgia Tech website) *STEM Outreach: Georgia Tech Supports the Goal of Attracting the Next Generation of Scientists and Engineers*

(to be read) ASEE, *Mapping Rural Students STEM Involvement: Case Studies of Chemical Engineering Undergraduate Enrollment in the States of Illinois and Kansas,* Versypt

(to be read) Hanover Research, March 2012, *Best Practices in Elementary STEM Programs*

(to be read) NSTA Press, *NGSS For All Students,* Lee, Miller, Janusyk

Research and articles related to deafness and hearing impairment:

Journal of Science Education for Students With Disabilities, Winter 2013/2014, Vol.17, No. 1, *Signs of Autonomy: Facilitating Independence and Inquiry in Deaf Science Classrooms*, Kahn, Feldman, Cooke

Accommodating Students with Disabilities in Science, Technology, Engineering and Mathematics (STEM): Findings From research and Practice for Middle Grades through University Education, Moon, Todd, Morton, Ivey (Georgia Tech) NSF funded

Competitive STEM Program at University of Washington Targets Deaf, Hard of Hearing Students, Michelle Ma (University of Washington) NSF, Bill and Melinda Gates funded

NSF Research Grants -

- Overcoming Barriers to STEM Success for Deaf Undergraduates (Gallaudet College)
- Project Access, Project Fast Forward (NTID)
- Improving Access to STEM Education for Deaf and Hard of Hearing Students, Marc Marschark (RIT)

Also: Career: Fundamental Studies of Cross – Kingdom Aggregate Biofilms for Energy Efficient Wastewater Treatment, C. Butler, 2014