

Hengameh Kermani, Ph.D.

2017

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EDUCATION

Ph.D., Educational Psychology: Early Childhood Education, University of California Santa Barbara

M.Ed., Early Childhood Education, University of California Santa Barbara

B.A., Developmental Psychology and Sociology, University of California Santa Barbara

CURRENT POSITION

Associate Professor and Program Coordinator, University of North Carolina Wilmington

AREAS OF INTERESTS

Early childhood teacher education, scaffolding, use of technology to enhance children's early math, professional development, and Early STEM education

SAMPLE ACCOMPLISHMENTS

- Fall 2016, Deans' Mini-Research Award (\$2,000). Watson College of Education at the University of North Carolina Wilmington
- Fall 2015, Deans' Mini-Research Award (\$2,100). Watson College of Education at the University of North Carolina Wilmington
- Fall 2014, ETEAL Applied Learning Initiative Grant (\$3,500). Joint project with Dr. Aldemir
- Fall 2014, Deans' Mini-Research Award (\$1,965). Watson College of Education at the University of North Carolina Wilmington. Joint project with Dr. Aldemir
- Fall 2014, Early Childhood, Elementary, Middle-grade, Language and Literacy, and Special Education (\$1,000). Support for Faculty Innovations
- Fall 2013, Deans' Mini-Research Award (\$1,500). Watson College of Education at the University of North Carolina Wilmington.
- Fall 2012, Cahill Award (\$3,150) Reaching Potential: Incorporating Science, Technology, Engineering, and Mathematics (STEM) Education in Early Childhood Settings. Joint project with Dr. Aldemir
- Summer 2011, Faculty Travel Grant (\$1,000). Office of International Program.
- Fall 2006, Faculty Reassignment Award
- Spring 2002, Recipient of Chancellor's Award for Excellence in Teaching in the School of Education

TEACHING

2001 to Present	Associate Professor University of North Carolina Wilmington
1995 – 2001	Assistant Professor University of North Carolina Wilmington
1992 -- 1995	Research Assistant University of California Santa Barbara
1988 – 1991	Early Childhood Educator UCSB Children's Center

SCHOLARSHIP

Selected Publications

- Aldemir, J., & **Kermani, H.** (2016). Integrated STEM curriculum: improving educational outcomes for Head Start children. *Early Child Development and Care*. DOI: 10.1080/03004430.2016.1185102
- Kermani, H.** & Aldemir, J. (2015). Preparing children for success: Integrating science, math and technology in early childhood classroom. *Early Child Development and Care*, 185 (9), 1504-1527. DOI:10.1080/03004430.2015.1007371
- Thompson, C., Moallem, M., & **Kermani, H.** (2012). Scenes of Struggle: Emerging Technologies as Tools for Multicultural Engagement. In M. Bhattacharya, N. Mach, and M. Moallem (Eds.), *Emerging Technologies for Learning: Impact on Cognition and Culture* Published by AACE--Association for the Advancement of Computing in Education
- Kermani, H.** (2007). The promotion of literacy for minority children in early childhood classroom settings. In B.A. Honchell and M. Schulz (Eds.). *Literacy for diverse learners*. Norwood, MA: Christopher Gordon Publisher, Inc.
- Moallem, M., Chen, S. J., & **Kermani, H.** (2005). Using handheld, wireless computers to improve assessment of learning and instruction. *Educational Technology*, 45(6), 12-22.
- Janes, H., & **Kermani, H.** (2001). Caregivers' story reading to young children in family literacy programs: Pleasure or punishment? *Journal of Adolescent and Adult Literacy*, 44 (5), 2-10.
- Kermani, H.** & Brenner, M. (2000). Maternal scaffolding in the child's Zone of proximal development across tasks: Cross cultural perspectives. *Journal of Research in Childhood Education*, 15(1), 30-52.
- Kermani, H.**, & Janes, H. (1999). Adjustment in maternal scaffolding in low-income immigrant Latino families. *Hispanic Journal of Behavioral Sciences*, 21(2), 134-153.

Selected Presentations:

- Kermani, H. & Aldemir, J. (2017). *Does STEM integrated professional development impact early childhood teachers' pedagogical beliefs? A case study*. Poster accepted for presentation at American Educational Research Association. San Antonio, TX.
- Kermani, H. & Aldemir, J. (2016). *Using iPads in the classroom to teach young children early math skills*. Poster presented at the Society for Information Technology and Teacher Education. Savannah, GA.
- Aldemir, J. & Kermani, H. (2016). *Preservice teachers' perceptions of using technology with young children: An applied experience*. Poster presented at the Society for Information Technology and Teacher Education. Savannah, GA.
- Aldemir, J., & Kermani, H. (2016). *How does STEM work in pre-kindergarten classroom? A Head Start Case Study*. Paper presented at the Early Childhood Science, Technology, Engineering, and Math (ECSTEM) conference. Pasadena, CA.
- Aldemir, J., & Kermani, H. (2015). *STEM education in pre-kindergarten: A Head Start*. Paper presented at the American Educational Research Association. Chicago, IL.
- Kermani, H., & Aldemir, J. (2015). *Using iPads to support children's learning of mathematics*. AERA Conference, Chicago, IL. **(Poster was nominated for best research poster)**
- Aldemir, J., & Kermani, H. (2014). *Incorporating Science and Math in a pre-K setting: A case of public school program*. Poster presented at NAEYC Annual Expo, Dallas, TX.
- Kermani, H. (2014). Emerging and future trends and issues in education. Workshop presented at the Professional Development Conference. American Creative Academy, Kuwait City, Kuwait.

- Kermani, H. & LaRue, K. (2014). *ABC and 123: How children's books can increase mathematical thinking*. Workshop presented at the 19th annual conference Cape Fear Association for Education of Young Children
- Kermani, H. (2013). Technology Supported Math Instruction for Young Children from Low SES. Paper presented at the American Educational Research Association. San Francisco, CA.
- Kermani, H. (2012). *Using Computer Mathematics Games to Promote Young Children's Learning of Number Sense*. Paper presented at the "Innovations in Learning and Technology: Asia-Pacific Perspectives" conference. Victoria, B.C.
- Kermani, H. (2012). *Young Children Learning Mathematics through Computer Games*. Poster presented at Head Start's Eleventh National Research Conference, "Research on Young Children and Families: Effective Practices in an Age of Diversity and Change." Washington, DC.
- Kermani, H. (2011). *The Effects of Mathematics Computer Math Games on Pre-kindergartners' Learning of Number Sense: Exploring the Significance of Teacher's Scaffolding*. Paper presented at the American Association of Educational Research (April, 2011). New Orleans, LA.

SERVICE

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| 2015-present | Malaysian Journal of Learning and Instruction, Editorial Board Member |
| 2007-present | Education of Young Children Program, Coordinator |
| 2016-Present | Faculty Welfare Committee, Member |
| 2016-Present | Hearing Panel (Stand by), Member |
| 2015-Present | Watson College of Education Curriculum Committee, Member |
| 2015-Present | Teacher Education Council Committee, Member |
| 2015-Present | Office of International Program Committee, Member |
| 2013-present | New Hanover County NC Pre-K Advisory Committee, Member |
| 2012-Present | Cape Fear Community College Early Childhood Advisory Committee, Member |
| 2012-2013 | Infant/Toddler Emphasis Group, Smart Start Partnership for Children, Member |