

CURRICULUM VITAE

MARGARETA M. THOMSON

Professor of Educational Psychology
Teacher Education and Learning Sciences Department
College of Education
North Carolina State University
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EDUCATION

2004-2008 Florida State University, Tallahassee, FL, USA

Ph.D. in Educational Psychology and Learning Systems
Area of concentration: Learning and Cognition

2003-2004 University of South Carolina, Sumter, SC, USA

Elementary Education and Early Childhood Education (professional credentials)
*Course credit hours required for advancing the professional teaching certificate

1995-1996 Babes-Bolyai University, Cluj-Napoca, Romania

M.A. in Educational Consulting

1990-1995 Babes-Bolyai University, Cluj-Napoca, Romania

B.A. in Educational Sciences and Psychology
Area of concentration: Pedagogy

PROFESSIONAL EXPERIENCE

2014-present *Associate Professor*

Teacher Education and Learning Sciences Department
North Carolina State University, Raleigh, NC

- Teach both graduate and undergraduate level courses in Educational Psychology and related areas. In addition, I advise PhD and master's students and maintain an active program of research related to motivation and teacher development.
- Graduate program coordinator for Educational Psychology (2016 ongoing, except 2018-2019 AY during my Fulbright year).

2008 –2014 *Assistant Professor*

Elementary Education Department
North Carolina State University, Raleigh, NC

- Taught both graduate and undergraduate level courses in Educational Psychology and related areas. In addition, I advised PhD and master's students and maintained an active program of research related to motivation and teacher development.

Course development and teaching at NC State University

- EDP 304 Educational Psychology (undergraduate level course)
- EDP 370 Applied Child Development (undergraduate level course)
- ELM 350 Assessment of Learning and Behavior (undergraduate level course)
- EDP 504 Advanced Educational Psychology (graduate level course)
- ED 507 Principles of Developing and Interpreting Assessment (graduate level course)
- ELM 654 Internship in Elementary Education (graduate level course)
- ECI 709 Qualitative Analysis in Educational Psychology (graduate level course)
- ECI 709 & EDP 723 Motivation in Education (graduate level course)
- ED 730 Introduction to Qualitative Research in Education (graduate level course)

2007-2008, *Research Assistant, National High Magnetic Field Laboratory (NHMFL)*
Center for Integrating Research and Learning (CIRL), Tallahassee, FL

2004-2007, *Research Assistant, Learning System Institute (LSI)*
Florida Center for Reading Research (FCRR), Tallahassee, FL

2005-2007, *Consultant, Program for Instructional Excellence (PIE) Associate*
Academic & Professional Program Services, Florida State University, Tallahassee, FL

2004-2007, *Teaching Assistant*
Educational Psychology and Learning Systems Department
Florida State University, Tallahassee, FL

2000-2003, *Teacher, Crestwood High-School, Sumter, SC*
Area of teaching: *Special Education*
Taught students in the special education program, grade levels 9-12

1998-2000, *School-Psychologist/Counselor*
Consulting Educational Center, Cluj-Napoca, Romania

1995-1998, *Instructor, Pedagogy & Psychology Department*
Pedagogical College, Cluj-Napoca, Romania

1990-1995, *Teacher, School Nr.10, Cluj-Napoca, Romania*
Area of teaching: *Elementary Education*
Taught students in regular education classrooms, grade levels 1st, 2nd, 3rd & 4th

PUBLICATIONS**REFEREED BOOKS and BOOK CHAPTERS**

Mara, D. & Thomson, M.M. (Eds) (under review). *Theoretical and practical approached to non-formal education*. Irvine, California: Universal Publishers, Inc.

Thomson, M.M., Pop-Pacurar, I., Negru-Subtirica, O., Radut-Taciu, R. (under review).
Developing STEM motivation and growth-mindsets: A K-12 school intervention. In

Wood, R. (Ed.), *Children's Engagement with Science and STEM in Formal and Informal Contexts*. Cambridge, UK: Cambridge Scholars Publishing.

Palermo, C., **Thomson, M.M.** (2019). Classroom applications of automated writing evaluation. In Bailey, L. (Ed.), *Educational technology and the new world of persistent learning* (pp. 145-175). Hershey, PA: IGI Global Publishing.

Ramsden, C., **Thomson, M.M.** (2019). Cultivating a growth mindset to enhance leadership skills: Implications for principal preparation programs. In Storey, V. (Ed.), *Leading in change: Implications of school diversification for school leadership preparation in England and the United States* (pp. 227-241). Charlotte, NC: Information Age Publishing.

Thomson, M.M. (2018). Identifying and examining motivational profiles: Distinct typologies with blended motives. In M. Gill (Ed.), *SAGE research methods psychology* (pp. 1-13). London, UK: Sage Publications.

Spencer, D. A., **Thomson, M.M.**, & Jones, J. (2018). Changes in enhancing socially-shared metacognition among undergraduate students during an online introductory geology course. In Fitzgerald, C., Laurian-Fitzgerald, S. & Popa, C. (Ed.), *Handbook of research on student-centered strategies in online adult learning environments* (pp. 406-439). Hershey, PA: IGI Global Publishing.

Thomson, M.M. (2017). A mixed-methods investigation: Involvement in a Research Experiences for Teachers' (RET) professional development programme. In M. Gill (Ed.), *SAGE research methods cases education* (pp. 1-13). London, UK: Sage Publications.

REFEREED PUBLICATIONS IN JOURNALS

Thomson, M.M., Huggins, E, Carrier, S., & Gray, D. (revised and resubmitted). Developmental trajectories for elementary novice teachers: Teaching efficacy, instructional beliefs, and domain knowledge. *The Journal of Experimental Education*.

Thomson, M.M., Gray, D., Walkowiak, T. & Alnizami, R. (revised and resubmitted). Developmental trajectories for elementary novice teachers: Teaching efficacy and mathematics knowledge. *Journal of Teacher Education*.

Thomson, M.M., Walkowiak, T. & Whitehead, A., & Huggins, E. (2020). Mathematics teaching efficacy and developmental trajectories: A mixed-methods investigation of novice K-5 teachers. *Teaching and Teacher Education*, 87, 1-14.

Thomson, M.M., Huggins, E. & Williams, W. (2019). Developmental science efficacy trajectories of novice teachers from a STEM-focused program: A longitudinal mixed-methods investigation. *Teaching and Teacher Education*, 77, 253-265.

- Thomson, M.M.,** Zakaria, Z. & Radut-Taciu, R. (2019). Perceptions of scientists and stereotypes through the eyes of young school children. *Education Research International*, 1-13.
- Thomson, M.M.** & Turner, E. J. (2019). The Role of emotions in teachers' professional development: Attending a Research Experience for Teachers (RET) program. *Education Research International*. DOI: <https://doi.org/10.1155/2019/5856793>
- Palermo, C., & **Thomson M.M.** (2018). Teacher implementation of self-regulated strategy development with an automated writing evaluation system: Effects on the Argumentative writing performance of middle school students. *Contemporary Educational Psychology*, 54, 255-270.
- Palermo, C., & **Thomson M.M.** (2018). Large-scale assessment as professional development: teachers' motivations, ability beliefs and values. *Teacher Development*, 23, 192-212.
- Thomson, M.M.,** & Palermo, C. (2018). Using an expectancy-value model to understand teaching motivation among nontraditional preservice teachers: A phenomenological study approach. *Action in Teacher Education*, 40 (2),151-168.
- Thomson, M.M.,** DiFrancesca, D., Carrier, S., Lee, C. & Walkowiak, T. (2018). Changes in teaching efficacy beliefs among elementary preservice teachers from a STEM-focused Program: Case study analysis. *Journal of Interdisciplinary Teacher Leadership*, 2 (1), 29-43.
- Thomson, M.M.,** & McClannon, J. C. (2018). Motivational beliefs among nontraditional prospective teachers from the United States: Expectancies and values. *Educattia 21 Journal*, 16, 22-32.
- Carrier, S.J., Whitehead, A.N., Luginbuhl, S.C., Walkowiak, T.A., & **Thomson, M.M.** (2017). The development of elementary teacher identities as teachers of science. *International Journal of Science Education*, 39 (13), 1733-1754.
- Thomson, M.M.,** & Nietfeld, J. L. (2017). Knowledge, monitoring, and beliefs: A comparative analysis among preservice teachers from three different STEM-focused program. *Journal of Interdisciplinary Teacher Leadership*, 1 (2), 19-27.
- Thomson, M.M.,** DiFrancesca, D., Carrier, S., & Lee, C. (2017). Teaching efficacy: Exploring relationships between mathematics and science self-efficacy beliefs, PCK and domain knowledge among preservice teachers from the United States. *Teacher Development*, 21 (1), 1-20.
- Thomson, M.M.** (2016). Domain identification and stereotypes: Representations of scientists among Romanian elementary school students. *International Journal of Higher Education Management*, 2(2), 34-39.

- Thomson, M.M.** (2016). Metaphorical images of schooling: Beliefs about teaching and learning among prospective teachers from United States displaying different motivational profiles. *Educational Psychology, 36* (3), 502-525.
- Thomson, M.M., & Nietfeld, J.** (2016). Beliefs systems and classroom practices: Identified typologies of elementary school teachers from the United States. *The Journal of Educational Research, 109* (4), 360-374.
- Thomson, M. M., & Turner, J.E.** (2015). Teaching motivations, characteristics and professional growth: Results from the Great Expectations (GE) programme in the United States. *Educational Psychology, 35* (5), 578-597.
- Beymer, P.N., & **Thomson M.M.** (2015). The effects of choice in the classroom: Is there too little or too much choice? *Support for Learning, 30* (2), 105-120.
- Lee, J., Turner, J.E., & **Thomson, M.M.** (2015). A structural equation model of pre-service teachers' perceptions of future goals and current course-related motivation. *Japanese Psychological Research, 57* (3), 231-241.
- Thomson, M.M. & Palermo, C.** (2014). Preservice teachers' understanding of their professional goal: Case studies from three different typologies. *Teaching and Teacher Education, 44*, 56-68.
- Wong, M., & **Thomson, M.M.** (2014). The effect of rewards on students' motivation. *Studia, 2*, 105-114.
- Carrier, S., **Thomson, M. M., & Tugurian, L.P., & Tate Stevenson, K.** (2014). Stakeholder views of elementary science, outdoors, and environmental education: Students' gender and ethnic differences. *International Journal of Science Education, 36* (13), 2195-2220.
- Smith, A., & **Thomson M.M.** (2014). Working with dropout-students: Synthesis and psychological perspectives. *Educational Psychology in Practice, 30* (2), 111-119.
- Thomson, M. M., & McIntyre, E.** (2013). Teachers' professional goals: An examination of different teachers' typologies with respect to motivations and beliefs about teaching. *Teacher Development, 17*(4), 409-430.
- Wery, J., & **Thomson, M.M.** (2013). Motivational strategies to enhance effective learning in students with special needs. *Support for Learning, 28*(3), 103-108.
- O'Neill, S., & **Thomson, M.M.** (2013). Supporting academic persistence in low-skilled adult learners. *Support for Learning, 28*, 162-172.
- McIntyre, E., Walkowiak, T. A., **Thomson, M.M., Carrier, S., Lee, C. W., Greive, E., Lowe, R., Maher, M., & DiFrancesca, D.** (2013). A STEM-focused elementary teacher

- preparation program: Student and alumni perceptions. *Teacher Education and Practice*, 26(4), 670-687.
- Carrier, S., Tugurian, L. & **Thomson, M.M.** (2013). Elementary science indoors and out: teachers, times and testing. *Research in Science Education*, 43(5), 2059-208.
- Thomson, M.M.**, & Gregory, B. (2013). Elementary teachers' classroom practices and beliefs in relation to US science education reform: Reflections from within. *International Journal of Science Education*, 35(11), 1800-1823.
- Thomson, M.M.**, & Kaufmann, E. (2013). Elementary teachers' views of their science professional development attendance: An expectancy-value approach. *Eurasia Journal of Mathematics, Science and Technology Education*, 9(1), 45-58.
- Thomson, M.M.**, (2013). Prospective teachers' analysis of their commitment to teaching: A mixed investigation. *Teacher Education and Practice*, 26 (1), 63-81.
- Gao, H., **Thomson, M.M.**, & Shen, E. (2013). Knowledge construction in collaborative concept mapping: A case study. *Journal of Information Technology and Application in Education*, 2(1), 1-15.
- Thomson, M.M.** (2012). Labeling and self-esteem: Does labeling exceptional students impact their self-esteem? *Support for Learning*, 27(4), 158-165.
- Thomson, M.M.** (2012). Elementary teachers' values and expectancies: Reflections on Professional Experiences. *Professional Development in Education*, 1, 1-3.
- Thomson, M. M.**, Turner, J.E., & Nietfeld, J. (2012). A typological approach to investigate motivation for teaching and beliefs about teaching of preservice teacher candidates. *Teaching and Teacher Education*, 28, 324-335.
- Thomson, M.M.**, (2011). Common sources for teaching choice: Key motivational factors and beliefs about teaching. *Studia*, 2, 17-26.
- Pop, M.M.**, Dixon, P., & Grove C. (2010). Research experiences for teachers (RET): Motivation, expectations, and changes to teaching practices due to professional development program involvement. *Journal of Science Teacher Education*, 22 (2), 127-147.
- Grove, C., Dixon, P., & **Pop, M. M.** (2009). Research experiences for teachers: Influences related to expectancy and value of changes to practice. *Professional Development in Education*, 35 (2), 247-260.
- Pop, M. M.**, & Turner, J.E. (2009). *To be or not to be...a teacher?* Exploring levels of commitment related to perception of teaching among students enrolled in a teacher education program. *Teachers and Teaching: Theory and Practice*, 15 (6), 683-700.

Losh, S.C., Wilke, R.A., & **Pop, M.** (2008). Some methodological issues with 'Draw a Scientist Tests' among young children. *International Journal of Science Education*, 30 (6), 773-792.

Roehrig, A.D., Guidry, L., Bodur, Y., Guo, Y., Guan, Q., & **Pop, M.** (2008). Guided field observations: Variables related to preservice teachers' knowledge about effective primary reading instruction. *Literacy Research and Instruction*, 47, 1-23.

BOOK REVIEWS

Thomson, M.M. (2018). Review of the book *Praxiological pedagogical dictionary*, by M-D Bocos, R. Radut-Taciu, & C. Stan. *Educatia 21 Journal*, 16, 165-167.

REFEREED CONFERENCE PROCEEDINGS

Thomson, M.M., Roberts, R., & Hubbard, L. (2019). Developing STEM motivation and growth mindset through immersive research experiences: A science mentoring program in the United States. *Proceedings of the International Nonformal Education Conference (INEC)*, Sancaiu de Mures, Romania.

Thomson, M.M., Pop-Pacurar, I., Negru-Subtirica, O., Radut-Taciu, R., Bocos, M-D. (2019). Fostering academic motivation and a STEM growth mindset in high poverty schools. *Proceedings of the the International Conference on Business, Sustainability, Education, Humanities and Social Sciences (BESS)*. London, UK.

Thomson, M. M., & Turner, J.E. (2017). The dual` nature of emotions: Relationships with motivations and instructional. *Proceedings of the International Academic conferences 4607806*. London: International Institute of Social and Economic Sciences (IIES). DOI: 10.20472/IAC.2017.031.054

Thomson, M. M., Walkowiak, T. A., & Lee, C. W. (2016). A mixed-methods investigation of teacher developmental trajectories: Results from a STEM-focused program. In Wahid, L. A. (Ed.). *Proceedings of the Fifth International Conference on Language, Education, and Innovation* (pp. 121-135). London: Interdisciplinary Circle of Science, Arts, & Innovation (ICSAI).

Thomson, M.M. (2015). Domain identification and stereotypes: Representations of scientists among Romanian elementary school students. In *The Business Management Review*, 6 (5), *Proceedings of the International Conference on Institutional Leadership, Learning and Teaching*. London: Academy of Business and Retail Management (ABRM).

REPORTS

Thomson, M.M. (2019, November). National Institutes of Health (NIH). Annual Report for Project "Environmental health research experiences for teachers in high-poverty schools: A professional development program" (5 years, \$500, 000 Research project).

Thomson, M.M. (2018, November). National Institutes of Health (NIH). Annual Report for Project "Environmental health research experiences for teachers in high-poverty schools: A professional development program" (5 years, \$500, 000 Research project).

Thomson, M.M. (2019, June). US Core Scholar Fulbright Commission. Annual Report for Project "Fostering academic motivation and a STEM growth mindset in high poverty schools through authentic research experiences" (1 year, \$37, 000 Research project).

UNDER REVIEW

Manuscripts – under review

Thomson, M.M., Faulkner, V., & Vladimirova, E. (revised and resubmitted). Motivational beliefs of nontraditional prospective teachers: A typological approach. *Journal of Interdisciplinary Teacher Leadership*.

Thomson M.M, Zakaria, Z., & Berger, J-L. (under review). Motivations, beliefs and personality: Investigating typologies of preservice teachers from the United States and differences within. *Educational Psychology*.

Thomson M.M, & Berger, J-L. (under review). Teaching typologies: Comparisons among the US and Swiss preservice teachers on their teaching typologies, motivational profiles and instructional beliefs. *Comparative Education*.

Hubbard, L., Jackman-Ryan, S., & **Thomson, M.M.** (under review). Immersive research experiences: Influences on science motivation and practices. *Action in teacher education*.

Hubbard, L., May, K., **Thomson, M.M.,** & Jackman-Ryan, S., (under review). Motivations and research experiences. *International Journal of Science Education*.

IN PREPARATION FOR PUBLICATION

Books – in preparation

Thomson, M.M. (in preparation). *Contemporary approaches to motivation: Global perspectives on teacher and student motivation*. Target publisher: Information Age Publishing.

Thomson, M.M. & Ramsden, C., & Zakaria, Z. (in preparation). *Motivational models in schools: A wide-school program implementation*. Target publisher: Corwin Press.

Manuscripts – in preparation

Pesout, O., Vladimirova, E. & **Thomson, M.M.** (in preparation). College students' perceptions of creativity in relation to their beliefs about becoming more creative problem solvers.

Thomson, M.M., Zakaria, Z., Taciú-Radutiú, R., & Rostmeyer, K. (in preparation). A comparative study of domain identification and stereotypes: Representations of scientists among elementary school students.

Thomson M.M., Wornoff, J., & Rostmeyer, K., & Zakaria, Z. (in preparation). Reasons for Teaching Scale (RTS): Investigating psychometric properties.

Weaver, J., **Thomson, M.M.** (in preparation). Teacher burnout among beginning teachers: Applying Attribution theory to understand teachers' reasons for leaving the profession.

Thomson, M.M., & Pop-Pacurar, I. (in preparation). Fostering academic motivation and growth-mindset in schools: Lessons from a STEM mentorship program intervention.

REFEREED PRESENTATIONS

Note. After 2012, presentations are under my married name of Thomson, before 2012 under my maiden name of Pop.

Thomson, M., Hubbard, L., & Jackman-Ryan, S. (August, 2020). *Developing STEM motivation: Immersive experiences for students and teachers in high-poverty schools*. Presentation at the American Psychological Association (APA) international conference, Washington D.C.

Hubbard, L. & Thomson, M.M. (February, 2020). *Teacher values in immersive research experience-What makes a difference? A qualitative case study*. Presentation at the Eastern Educational Research Association (EERA), Orlando, FL.

May, K., Hubbard, L.E., Reade, R., & **Thomson, M.M.** (February, 2020). *Environmental health research experiences for teachers in high-poverty schools: A professional development program*. Presentation at the Environmental Public Health (PEPH) Network meeting, Durham, NC.

Thomson, M.M., Roberts, R., & Hubbard, L. (January, 2020). *Motivations and values: Immersive mentorship science experiences*. Presentation at the National Institute on the Teaching of Psychology (NITOP), St Petersburg, FL.

Thomson, M.M. (May, 2019). *Fostering STEM motivation and growth mindsets via immersive research experiences: Highlights from mentorship programs*. International Conference of Psychology Students (ICPS), Babes-Bolyai University, Cluj-Napoca, Romania.

Thomson, M.M., Pop-Pacurar, I., Negru-Subtirica, O., Radut-Taciú, R., Bocos, M-D. (February, 2019). *Fostering academic motivation and a STEM Growth Mindset in high poverty*

schools. Paper presented at the International Conference on Business, Sustainability, Education, Humanities and Social Sciences (BESS), International Conference, London, UK.

Zakaria, Z., **Thomson, M.M.**, & Salahuddin, A.M. W. (February, 2019). *Exploring students' mindset in mathematics education in South Asia: The role of demographics and other motivational factors*. Paper presented at the Eastern Educational Research Association (EERA), International Conference, Myrtle Beach, SC.

Thomson, M.M., Roberts, R., & Hubbard, L. (October, 2018). *Developing STEM motivation and growth mindset through immersive research experiences: A science mentoring program in the United States*. Paper presented at the International Nonformal Education Conference (INEC), Sancaiu de Mures, Romania.

Thomson, M.M., Huggins, E., & Williams, W. (April, 2018). *Developmental science efficacy trajectories of elementary STEM-preservice teachers: A mixed-methods investigation*. Paper presented at the American Educational Research Association (AERA) International Conference, New York, NY.

Thomson, M.M. & Wornoff, J. (August, 2017). *Reasons for Teaching Scale (RTS): Investigating the instrument psychometric properties*. Paper presented at the American Psychological Association (APA) International Conference, Washington DC.

Thomson, M.M., Huggins, E., & Williams, W. (August, 2017). *Teacher efficacy developmental trajectories: Dichotomous profiles*. Paper presented at the American Psychological Association (APA) International Conference, Washington DC.

Thomson, M.M. & Turner, E. J. (May, 2017). *The dual nature of emotions: Relationships with motivations and instructional changes*, Paper presented at the International Institute of Social and Economic Studies (IISES), International Academic Conference, London, UK.

Carrier, S., Adams, E., **Thomson, M.M.**, & Walkowiak, T. (April, 2017). *Novice elementary science teachers' content knowledge, efficacy, beliefs and teaching practices: A structural model approach*. Paper presented at the National Association for Research in Science Teaching (NARST), International Conference, San Antonio, TX.

Thomson, M.M., Gray, D., & Walkowiak, T. (April, 2017). *Developmental trajectories for elementary novice teachers: Efficacy, epistemic and specialized mathematics knowledge*. Paper presented at the American Educational Research Association (AERA) International Conference, San Antonio, TX.

Thomson, M.M., Walkowiak, T., & Whitehead, A. (April, 2017). *Developmental efficacy trajectories of elementary STEM-preservice teachers: A mixed-methods investigation*. Paper presented at the American Educational Research Association (AERA) International Conference, San Antonio, TX.

- Pesout, O., Vladimirova, E. & **Thomson, M.M.** (April, 2017). *College students' perceptions of creativity in relation to their beliefs about becoming more creative problem solvers.* Paper presented at the American Educational Research Association (AERA) International Conference, San Antonio, TX.
- Thomson, M.M.**, Huggins, E., & Williams, W. (February, 2017). *Investigating the development of science teaching efficacy trajectories among the elementary STEM-preservice and in-service teachers.* Paper presented at the Eastern Educational Research Association (EERA), International Conference, Richmond, VA.
- Thomson, M.M.**, Walkowiak, T., & Lee, C. (May, 2016). *A mixed-methods investigation of teacher developmental trajectories: Results from a STEM-focused program.* Paper presented at the International Conference on Language, Education and Innovation (ICLEI), London, UK.
- Thomson, M.M.** & Berger, J.L. (April, 2016). *Comparisons among the US and Swiss preservice teachers on their teaching typologies, motivational profiles and instructional beliefs.* Paper presented at the American Educational Research Association (AERA) International Conference, Washington DC.
- Carrier, S., Whitehead, A., & Luginbuhl, S. & **Thomson, M.M.** (April, 2016). *Examining the development of elementary teachers' science teacher identities.* Paper presented at the National Association for Research in Science Teaching (NARST), International Conference, Baltimore, MD.
- Kimble, R. & **Thomson, M.M.** (February, 2016). *Teachers' attribution beliefs and student opportunities to learn mathematics: An attribution theory perspective.* Paper presented at the Eastern Educational Research Association (EERA), International Conference, Hilton Head, SC.
- Carrier, S.J., Whitehead, A.N., Luginbuhl, S.C., & **Thomson, M.M.** (January, 2016). *Exploring science teacher identity development of elementary teachers.* Paper presented at the Association for Science Teacher Education (ASTE), Reno, NV.
- Thomson, M.M.** (September, 2015). *Representations of scientists and domain identification among Romanian elementary students.* Paper presented at the International Conference on Institutional Leadership and Learning & Teaching (ILLT), London, UK.
- Thomson, M.M.**, Faulkner, V., & Vladimirova, E. (April, 2015). *Profiling characteristics and motivational beliefs of prospective teachers from an MAT program: An expectancy-value theory approach.* Paper presented at the American Educational Research Association (AERA) International Conference, Chicago, IL.
- Carrier, S., DiFrancesca, D., Grieve, B. & **Thomson, M.M.** (January, 2015). *STEM-focused teacher preparation: Discovering a relationship between beginning teachers' beliefs,*

teaching goals, and enacted practice. Paper presented at the Association of Science Teaching Education (ASTE) International Conference, Portland, OR.

Thomson, M.M., & Palermo, C. (February, 2015). *Preservice teachers' understanding of their professional goal: Case studies from three different typologies.* Paper presented at the Eastern Educational Research Association (EERA), International Conference, Sarasota, FL.

Thomson, M.M., Hardison, C., & Palermo, C. (October, 2014). *Values and expectancies as related to the teaching goals: A phenomenological study.* Paper presented at the American Advances in Educational Psychology Conference (AEPC), Fairfax, VA.

Thomson, M.M., & DiFrancesca, D. Carrier, S., & Lee, C. (April, 2014). *Exploring changes in mathematics and science teaching efficacy beliefs among elementary preservice teachers enrolled in a STEM focused preparation program: Cross-case study analysis.* Paper presented at the American Educational Research Association (AERA) International Conference, Philadelphia, PA.

DiFrancesca D., Nietfeld, J. & **Thomson, M.M.** (April, 2014). *The impact of extrinsic rewards on intrinsic motivation during a competitive drawing activity.* Paper presented at the American Educational Research Association (AERA) International Conference, Philadelphia, PA.

Carrier, S. & **Thomson, M. M., & Tugurian, L.** (April, 2014). *Elementary education in the outdoors: Addressing gender, ethnicity, and testing.* Paper presented at the National Association for Research in Science Teaching (NARST), International Conference, Pittsburgh, PA.

Beymer, P., & **Thomson, M.M.** (September, 2014). *When is there too much choice in the classroom?* Paper presented at the NC Teacher Education Forum, Raleigh, NC.

Weaver, J., **Thomson, M.M.** (September, 2014). *Exploring teacher burnout among beginning teachers: Applying attribution theory to understand teachers' reasons for leaving the profession.* Paper presented at the NC Teacher Education Forum, Raleigh, NC.

Thomson, M.M., & DiFrancesca, D., McIntyre, E., Porter, S., Carrier, S., & Lowe, R., (May, 2013). *Beliefs and knowledge: Exploring relationships between science and mathematics teaching self-efficacy beliefs and domain knowledge among preservice teachers.* Paper presented at the American Educational Research Association (AERA) International Conference, San Francisco, CA.

Palermo, C., & **Thomson, M.M.** (May, 2013). *Involving teachers in performance assessment development: Lessons from a large-scale standardized assessment program.* Paper presented at the American Educational Research Association (AERA) International Conference, San Francisco, CA.

- Carrier, S., **Thomson, M.M.**, & Tugurian, L. (April, 2013). *Science outdoors and in: Elementary students' science knowledge, environmental attitudes, and outdoor comfort levels*. Paper presented at the National Research on Science Teaching Association (NARST) International Conference, Puerto Rico.
- Tolin, D., & **Thomson M.M** (February, 2013). *The effect of giving students input autonomy during syllabus creation: A mixed methods investigation*. Paper presented at the Eastern Educational Research Association (EERA), International Conference, Sarasota, FL.
- Corey Palermo, **Thomson M.M.**, & Tolin, D. (February, 2013). *Types of performance assessment training: Teachers' involvement in a large-scale standardized assessment program*. Paper presented at the Eastern Educational Research Association (EERA), International Conference, Sarasota, FL.
- Thomson M.M.**, Tolin, D., & Osborne, J.W. (February, 2013). *Reasons for teaching scale (RTS): A discussion on the scale development and psychometric properties*. Paper presented at the Eastern Educational Research Association (EERA), International Conference, Sarasota, FL.
- Tolin, D.**, & Pop, M. (May, 2012). *Development and validation of a multi-dimensional interpersonal conflict scale: The IPC-W (general edition)*. Paper presented at the Association for Psychological Sciences (APS) International conference, Chicago, IL.
- Pop, M.**, & Nietfeld, J. (April, 2012). *Beliefs system and knowledge: Analyses of teachers' cognitions and impact on teaching*. Paper presented at the American Educational Research Association (AERA) International Conference, Vancouver, Canada.
- Carrier, S., **Pop, M.M.**, & Tugurian, L. (March, 2012). *Elementary science indoors and out: A mixed-methods analysis of students', teachers' and parents' views*. Paper presented at the National Association for Research in Science Teaching (NARST) International Conference, Indianapolis, IN.
- Gregory, B., & **Pop, M.M.** (February, 2012). *Beliefs about critical thinking and motivations for implementing thinking skills training in pre-service teacher education courses: A grounded theory model*. Paper presented at the Eastern Educational Research Association (EERA) International Conference, Hilton Head, SC.
- Pop, M.M.** & Kaufmann, E. (February, 2012). *Motivational aspects of professional development attendance: An analysis of the elementary teachers' views of their experiences*. Paper presented at the Eastern Educational Research Association (EERA) International Conference, Hilton Head, SC.
- Tolin, A. & **Pop, M.** (February, 2012). *Development of a self-report measure of interpersonal conflict: The IPC-W scale*. Paper presented at the Eastern Educational Research Association (EERA) International Conference, Hilton Head, SC.

- Pop, M.** & Carrier, S., & Tugurian, L. (January, 2012). *Reflections on outdoor experiences: An analysis of the views expressed by students, parents and educators*. Paper presented at the Association of Science Teaching Education (ASTE) International Conference, Clearwater, FL.
- Pop, M.**, Nietfeld, J. (August, 2011). *When reformed mindset meets knowledge: An analysis of pre-service teachers' beliefs system, knowledge and monitoring accuracy*. Paper presented at the European Association for Research on Learning and Instruction (EARLI), International Conference, Exeter, UK.
- Pop, M.**, & Gregory, B. (February, 2011). *A typological study approach of the elementary teachers' thinking and classroom practices: Qualitative reflections*. Paper presented at the Eastern Educational Research Association (EERA) International Conference, Sarasota, FL.
- Pop, M.**, Nietfeld, J., Sanchez, J., & Gregory, B. (February, 2011). *Beyond teachers' beliefs: Elementary school teachers' changes in beliefs and teaching practices as a result of professional development involvement*. Paper presented at the Eastern Educational Research Association (EERA) International Conference, Sarasota, FL.
- Carrier, S., **Pop, M.**, & Tugurian, L. (September, 2011). *Elementary science: Indoors and outdoor challenges*. Paper presented at the ASTE Mid-Atlantic (MAASTE), Regional Conference, Olive Hill, Kentucky.
- Pop, M.** (May, 2010). *Beliefs about teaching and learning in the context of motivation for teaching: An analysis of metaphorical images of schooling expressed by prospective teachers*. Paper presented at the American Educational Research Association (AERA) International Conference, Denver, CO.
- Pop, M.**, Turner, J. (May, 2010). *Emotions as a catalyst for change: An investigation of emotions, motivation and teaching practices*. Paper presented at the American Educational Research Association (AERA) International Conference, Denver, CO.
- Lee, J., Turner, J., & **Pop, M.** (May, 2010). *The effect of future goals on college students' motivation of required courses in a teacher preparation program*. Paper presented at the American Educational Research Association (AERA) International Conference, Denver, CO.
- Pop, M.**, & Nietfeld, J. (January, 2010). *Beliefs and reform practices of elementary school teachers: An analysis of teachers' belief systems and the impact on their science teaching practices*. Paper presented at the Hawaii International Conference in Education (HICE), Honolulu, HI.
- Turner, J.T., & **Pop, M.** (August, 2009). *Teachers' emotions and motivation in a professional development program*. Paper presented at the European Association for Research on Learning and Instruction (EARLI), International Conference, Amsterdam, Holland.

- Pop, M., & Turner, J. E.** (April, 2009). *Motivation and beliefs about teaching of preservice teachers: A grounded theory model*. Paper presented at the American Educational Research Association (AERA) International Conference, San Diego, CA.
- Pop, M., & Dixon, P.** (April, 2009). *Investigation of teachers' motivation, expectations and changes to teaching practices*. Paper presented at the National Association of Research in Science Teaching (NARST), International Conference, Garden Grove, CA.
- Pop, M., & Dixon, P.** (January, 2009). *Research experiences for teachers: Motivation, expectations and changes to teaching practices due to a professional development program involvement*. Paper presented at the Association for Science Teacher Education (ASTE), International Conference, Hartford, CT.
- Pop, M., Turner, J.E., & Dixon, P.** (January, 2009). *Teachers' emotions as related to motivation for engaging in a research experience for teachers' program and changes to teaching practices*. Paper presented at the Association for Science Teacher Education (ASTE), International Conference, Hartford, CT.
- Pop, M., & Turner, J.** (March, 2008). *Teaching in the eyes of beholders: Pre-service teachers' motivation for teaching and their beliefs about teaching*. Paper presented at the American Educational Research Association (AERA) International Conference, New-York, NY.
- Pop, M., & Turner, J.E.** (March, 2008). *Teachers' motivation for continuing to teach and their motivation for engaging in professional development*. Paper presented at the American Educational Research Association (AERA) International Conference, New-York, NY.
- Turner, J.E., Crissie M. Grove, & **Pop, M.** (March, 2008). *Teachers' emotions and motivations in the context of a professional development program*. Paper presented at the American Educational Research Association (AERA) International Conference, New-York, NY.
- Roehrig, A.D., Swearingen M.K., LaVenía, M., Freedman, K., Ganson, K., **Pop, M.**, Guan, Q., Brownell, M., & Manders, L. (December, 2007). *Perceptions of the reading coach role in reading first schools: Results from interviews with teachers and coaches*. Paper presented at the National Reading Conference (NRC), Austin, TX.
- Pop, M., & Turner, J.** (April, 2007). *'To be or not to be ... a teacher': An analysis of preservice teachers' motivation for career choice*. Paper presented at the American Educational Research Association (AERA) International Conference, Chicago, IL.
- Roehrig, A.D., Guidry, L., Bodur, Y., Guo, Y., Guan, Q., & **Pop, M.** (April, 2006). *Guided field observations: Variables related to preservice teachers' knowledge about effective primary reading instruction*. Paper presented at the American Educational Research Association (AERA), International Conference, San Francisco, CA.

Losh, S.C., Wilke, R.A., & **Pop, M.** (April, 2006). *Some methodological issues with 'Draw a Scientist Tests' among young children.* Paper presented at the American Educational Research Association (AERA), International Conference, San Francisco, CA.

Losh, S.C., Wilke, R.A., & **Pop, M.** (May, 2006). *Gender, ethnicity, grade and young children's drawings of different professionals.* Paper presented at the National Association for Research on Science Teaching (NARST), International Conference, San Francisco, CA.

Gao, H., & **Pop, M.** (August, 2005). *Knowledge construction in collaborative concept mapping: A case study from activity systems perspective.* Paper presented at the Association for Educational Communications and Technology (AECT) International Conference, Orlando, FL.

NON-REFEREED PRESENTATIONS & INVITED TALKS

Leavens, T., Carrier, S., & **Thomson, M.M.** (March, 2020). *Factors that influence female, African American students' science identities during childhood and adolescence,* Gender and Equity Research Symposium, Women's Center, NC State University, Raleigh, NC.

Thomson, M.M. (February, 2020). *Fostering STEM motivation in high poverty schools from Romania,* College of Education, NC State University, Raleigh, NC.

Thomson, M.M. (June, 2019). *Interactive lectures with Fulbrighters: Sharing ideas for Global Education,* presentation at the Faculty of Sociology and Social Work, Babes-Bolyai University, Cluj-Napoca, Romania.

Thomson, M.M. (October, 2018). *Fostering academic motivation and a STEM growth mindset among K-12 students,* presentation at the Faculty of Psychology and Educational Sciences (FPSE), Babes-Bolyai University, Cluj-Napoca, Romania.

Thomson, M.M. (October, 2018). *Immersive research experiences in STEM mentorship programs,* Key-Note Speaker at the International Nonformal Education Conference (INEC), Sancaiu de Mures, Romania.

Thomson, M.M. (July, 2018, 2019). *Student motivation for STEM and mindsets,* Center for Human Health and the Environment, College of Sciences, NC State University, Raleigh, NC.

Thomson, M.M. & Roberts, R. (February, 2018). *Environmental health research experiences for teachers in high-poverty schools: A professional development program.* College of Education, NC State University, Raleigh, NC.

Thomson, M.M. (February, 2017). *Investigating various aspects of teacher and student motivation: International collaborations with UK and Romanian scholars,* College of Education, NC State University, Raleigh, NC.

- Thomson, M.M.** (November, 2016). *Self-motivation and mindsets*, National Society of Black Engineers, College of Engineering, NC State University, Raleigh, NC.
- Thomson, M.M.** (August, 2014). *Motivating the unmotivated*, Beginning Teacher Institute, College of Education, NC State University, Raleigh, NC.
- Thomson, M.M.** (July, 2014). *Assessment and evaluation in higher education*, Global Education Institute, Chapel Hill, NC and Friday Institute, NC State University, Raleigh, NC.
- McIntyre, E., Amendum, S., Carrier, S., DiFrancesca, D., Lowe, R., Maher, **M. Pop**, M., Porter, S., & Walkowiak T. (March, 2012). *Project ATOMS, multiple measures, methods, and perspectives to evaluate a teacher education program*. Presentation at the College of Education Research Forum, Friday Institute, NC State University, Raleigh, NC.
- Pop, M.**, Nietfeld, J., Mitchell, A., & Ashley, B. (November, 2010). *Creating strong partnerships with study abroad office: Curriculum integration, collaboration and a model program in Prague*. Internationalizing Teacher Education Forum: The UNC Council of Education Deans and The University Council on International Programs Conference, Raleigh, NC.
- Pop, M.** (August, 2007). *Cultural, linguistic and instructional issues in teaching*. Program of Instructional Excellence Conference, Florida State University, Tallahassee, FL.
- Pop, M.**, & Lozano, I. (February, 2006). *Issues in grading*. Program of Instructional Excellence Conference, Florida State University, Tallahassee, FL.
- Pop, M.**, & Shu, L. (August, 2006). *Cultural issues in teaching*. Program of Instructional Excellence Conference, Florida State University, Tallahassee, FL.

SPONSORED RESEARCH: GRANT ACTIVITY

Funded: External

(1/2018-12/2022). *Environmental health research experiences for teachers in high-poverty schools: A professional development program* (5-year Research project, \$500, 000). National Institutes of Health (NIH), Federal funding.

PI: **Thomson, M.M.**, North Carolina State University.

Co-PI: Roberts, R. North Carolina State University.

(10/2018-06/2019). *Fostering academic motivation and a STEM growth mindset in high poverty schools through authentic research experiences* (1-year Research and teaching project, \$37, 000), US Core Scholar Fulbright, Federal funding.

PI: **Thomson, M.M.**, North Carolina State University.

(8/2011-8/2018). *Project ATOMS: Accomplished elementary teachers of mathematics and science*, (5-year Research project, \$3,200,000). National Science Foundation (NSF), Federal funding.

- PI: McIntyre, E. [2011-2013]. Co-PI: Carrier, S., Fleener, J., Porter, S., **Thomson, M.M.**, Walkowiak, T. [2012-2013]. North Carolina State University.
- PI: Walkowiak, T. [2013-2018]. Co-PI: Carrier, S., Fleener, J., Porter, S., **Thomson, M.M.**, McIntyre, E. [2013-2018]. North Carolina State University.

(8/2012-8/2013). *Project ATOMS: Accomplished elementary teachers of mathematics and science*, (1-year Research project supplement funds, \$55, 000). National Science Foundation (NSF), Federal funding.

PI: McIntyre, E. [2011-2013]. Co-PI: Carrier, S., Fleener, J., Porter, S., **Thomson, M.M.**, Walkowiak, T. [2012-2013]. North Carolina State University.

Funded: Internal

(Spring 2017). North Carolina State University, Educational Teaching Funds (ETF) Grant, *Assessment measures* (\$2, 490 Teaching and research resources).

PI: **Thomson, M.M.**, North Carolina State University.

(Fall 2014). North Carolina State University, Educational Teaching Funds (ETF) Grant, *Developmental assessment measures* (\$2,100 Teaching project).

PI: **Thomson, M.M.**, North Carolina State University.

(Spring 2013). North Carolina State University, Elementary Education Department. *Perceptions on rewards: Elementary students' and teachers' views* (\$4,000 Research project).

PI: **Thomson, M.M.**, North Carolina State University.

(Fall 2012). PI on North Carolina State University, Educational Teaching Funds (ETF) Grant, *Cognitive assessment and intelligence measures for children* (\$2,473 Teaching project).

PI: **Thomson, M.M.**, North Carolina State University.

(Fall 2011). North Carolina State University, Educational Teaching Funds (ETF) Grant, *Personality and career assessment batteries for adults and children* (\$3,500 Teaching project).

PI: **Thomson, M.M.**, North Carolina State University.

(Fall 2012-Spring 2013). North Carolina State University, Elementary Education Department. *Choosing the teaching path: non-traditional preservice teachers' motivations and beliefs about teaching* (\$8,000 Research project).

PI: **Thomson, M.M.**, North Carolina State University.

(Fall 2011-Spring 2012). PI on North Carolina State University, Elementary Education Department. *Choosing the teaching path: reflections on the teaching quality preparation*, (\$7,000 Research project).

PI: **Thomson, M.M.**, North Carolina State University.

(Spring 2010). PI on North Carolina State University, Faculty Research Professional Development (FRPD) Individual Program Grant, *Beyond teachers' beliefs: An analysis of elementary school teachers' changes in reformed beliefs and teaching practices as a result of professional development involvement*, (1-year, \$4,000 Research project).

PI: **Thomson, M.M.**, North Carolina State University.

Unfunded: External

(Fall 2016). Spencer Research Small Grant, *Authentic research experiences for K-5 teachers and students: Fostering academic motivation and a STEM growth mindset in high poverty schools* (2-year, \$50,000 Research project).

PI: **Thomson, M.M.**, North Carolina State University.

(Summer 2013). Early Career Educational Psychology Awards APA Division 15 Educational Psychology. *Do teachers' characteristics impact student academic success? An analysis of teachers' motivational profiles and impact on student achievement* (2-year, \$7,500 Research project).

PI: **Thomson, M.M.**, North Carolina State University.

(Spring 2012). Early Career Educational Psychology Awards APA Division 15 Educational Psychology. *Teaching goals and academic success: Teachers' motivational profiles and relationships with students' academic achievement* (2-year, \$7,500 Research project).

PI: **Thomson, M.M.**, North Carolina State University.

(Spring 2008-Fall 2010). Co-PI on *Project ATOMS: Accomplished elementary teachers of mathematics and science*. NSF (DR-K12) Program, (5-year, \$ 3,000,000 Research project).

PI: McIntyre, E., North Carolina State University.

Co-PI: Carrier, S., Fleener, J., Porter, S., **Thomson, M.M.**, North Carolina State University.

Unfunded: Internal

(Spring 2016). *Globalizing classrooms and curriculum: Building global competency in the professional development training of K-12 pre-service teachers*. NCSU Office of International Studies (OIS) Seed program funds for initiating a research comparative study (1- year, \$5,000, Research project).

PI: **Thomson, M.M.**, North Carolina State University.

(Spring 2015). *Examining cross-cultural differences into teacher education*. NCSU Office of International Studies (OIS) Seed program funds for initiating a research comparative study (1- year, \$5,000, Research project).

PI: **Thomson, M.M.**, North Carolina State University.

(Spring 2013). *Instigating teacher typologies among the US and Swiss preservice teachers*. NCSU Office of International Studies (OIS) Seed program funds for initiating a research comparative study (1-year, \$5,000, Research project).
 PI: **Thomson, M.M.**, North Carolina State University.

(Spring 2012). *Finland education program*. NCSU Office of International Studies (OIS) Seed program funds for initiating a new study abroad program (\$5,000, 1-year Teaching project).
 PI: Nietfeld, J., North Carolina State University.
 Co-PI: **Thomson, M.M.**, North Carolina State University.

(Fall 2009). North Carolina State University, Faculty Research Professional Development (FRPD) Individual Program Grant, *Beliefs and reform practices: An analysis of elementary school teachers' belief systems and the impact on their science teaching practices* (1-year, \$8,000 Research project).
 PI: **Thomson, M.M.**, North Carolina State University.

Re-submission (in preparation)

Mentored research experiences in environmental health science for high-school students from high-poverty schools (5-year, Research project, \$ 500,000). National Institutes of Health (NIH), Federal funding.

PI: **Thomson, M.M.**, North Carolina State University.
 Co-PI: Mattingly, C., North Carolina State University.

In Preparation

Research experiences for K-5 teachers and students: Fostering academic motivation and a STEM growth mindset in high-poverty schools (3-years, Research project). National Science Foundation (NSF), federal funding.

PI: **Thomson, M.M.**, North Carolina State University.
 Co-PI: Carrier, S., North Carolina State University.

MENTORING

Junior faculty

Saif Khairat, Assistant Professor, 2017-2021

School of Nursing, The University of North Carolina at Chapel Hill

- Co-mentor for K01 Career Development Award funded by AHRQ
- Co-mentor for Career Development Award funded by UNC-CH

Fulbright Scholars

Dr. Alina Rusu, Associate Professor, Babes-Bolyai University, Romania, 2019-2020

Carrie Leigh Mitran, PhD student, College of Education, NC State University, 2020-2021

Doctoral Candidates: Chair and Co-Chair

Bradley Gregory, Co-Chair (2009-2011, completed), PhD Educational Psychology, NCSU

Corey Palermo, Chair (2011-2017, completed), PhD Educational Psychology, NCSU

Ondrej Pesout, Co-Chair (2016-2017, completed), PhD Educational Psychology, NCSU

Daniel Spencer, Co-Chair (2016-2017, completed), PhD Educational Psychology, NCSU

Jason Wornoff, Co-Chair (2017- 2019, completed), PhD Educational Psychology, NCSU

Rebecca Kimble, Chair (2014- 2018, completed), PhD Educational Psychology, NCSU

Wayne Williams, Chair (2016-present), PhD program Educational Psychology, NCSU

Zarifa Zakaria, Chair (2017-present), PhD program Educational Psychology, NCSU

Lindsey Hubbard, Chair (2018-present), PhD program Educational Psychology, NCSU

Stella LaVerne-Jackman, Chair (2018-present), PhD program Educational Psychology, NCSU

Dell Tolin, Chair (2011-2016), PhD program Educational Psychology, NCSU

Doctoral Candidates: Minor Exam Chair

Katlyn May (2018-present), PhD program Science Education, NCSU

Doctoral Candidates: Committee Member

Kristin Hoffman (2008-2009, completed), PhD Educational Psychology, NCSU

David Tillman (2010-2012, completed), PhD Educational Psychology, NCSU

Laura Lukes (2012-2014, completed), PhD Marine, Earth, & Atmospheric Sciences, NCSU

Sonya Messengill (2013-2015, completed), PhD Literacy and Language Arts, NCSU

Daniell DiFrancesca (2011-2015, completed), PhD Educational Psychology, NCSU

Carrie Lee (2014-2016, completed), PhD Educational Psychology, NCSU

Robert Coven (2013-2018, completed), PhD program Social Studies, NCSU

Jessica Lancaster (2010-2018, completed), PhD program Educational Psychology, NCSU

Mark Spring (2012-present), PhD program Literacy and Language Arts, NCSU

Erin Huggins (2016-present), PhD program Educational Psychology, NCSU

Michelle Nugent (2017-2019, completed), PhD program Science Education, NCSU

Katlyn May (2018-present), PhD program Science Education, NCSU

Master Candidates: Chair and Co-Chair

Julia Weaver, Chair (2012-2014, completed), MS Educational Psychology, NCSU

Stephanie Ninich, Chair (2012-2015, completed), MEd Educational Psychology, NCSU

Patrick Bymer, Chair (2012-2014, completed), MEd Educational Psychology, NCSU

Vineetha Govindasamy, Chair (2015-2017, completed), MEd Educational Psychology, NCSU

Erin Elliot (2017-2018), MS program, Educational Psychology, NCSU

Master Candidates: Director of Capstone Experiences (completed)

Elizabeth Schreiber (Fall, 2013), MEd program Elementary Education, NCSU

Lauren Bailey (Fall, 2013), MEd program Elementary Education, NCSU

Ginamarie Gambella (Fall, 2013), MEd program Elementary Education, NCSU

Brittany Laube (Fall, 2013), MEd program Elementary Education, NCSU

Marcie Gadziala (Spring 2014), MEd program Elementary Education, NCSU

Ashley Jacot (Spring 2014), MEd program Elementary Education, NCSU

Siobhan Nolan (Spring 2014), MEd program Elementary Education, NCSU

Master Candidates: Committee Member

Kendra Timberlake, (2011-2012, completed), MEd Educational Psychology, NCSU

Sarah Dinger, (2016-present), MEd program Agriculture Education, NCSU

Emanuel Pop (2018-present), Combined Master program in Education and Biology, Babes-Bolyai University

Undergraduate Students: Research Experiences Mentor

Kaleb Rostmeyer, (2016-2018), Psychology Department, Provost's Professional Experience Program (PEP), NC State University (2-years, \$4,000 funds for assisting with research projects)

Maggie Dewessee, (2016-2018), Science Education Department, Provost's Professional Experience Program (PEP), NC State University (2-years, \$4,000 funds for assisting with research projects)

MENTEES' HONORS AND AWARDS

Stella Jackman-Ryan, Laspau-Fulbright Award, 2018-2020

Zarifa Zakaria, AAUW Award (\$20, 000), 2018-2019

Zarifa Zakaria, Provost Fellowship (\$20, 000), 2017-2018

Lindsey Hubbard, Chancellor's Creating Community Awards, Nominee, 2018

Rebecca Kimble, TELS Department representative, 13th Annual NC State University Graduate Student Research Symposium, Spring 2018

Rebecca Kimble, AERA conference 2018 travel funds (\$800)

Wayne Williams, AERA conference 2018 travel funds (\$800)

Ondrej Pesout, AERA conference 2017 & 2018 travel funds (\$1,000)

Dan Spencer, AERA conference 2017 & 2018 travel funds (\$1,000)

Rebecca Kimble, APA Claire Ellen Weinstein graduate seminar fellowship, Summer 2017

Ondrej Pesout, CED Dissertation Award (\$1,500), Spring 2017

Corey Palermo, CED Dissertation Award (\$1,500), Spring 2016

EXTENSION AND COLLABORATIVE ACTIVITIES

NCSU- UBB, Romania academic exchange- Invited and hosted Dr. Alina Rusu, UBB, Romania to visit NCSU, as part of an EU mobility grant, November - December, 2019.

Research collaboration - Swiss Federal Institute for Vocational Education and Training Research and Development (SFVETRD), Lausanne, Switzerland, 2011-present

Research collaboration - Psychology and Educational Sciences Department, Babes-Bolyai University, Romania, 2015-present

Research collaboration – Department of Education, Liverpool Hope University, UK, 2016-present

Visiting Scholar, Institute of Education, University College London, UK, September, 2015

College of Design, Prague Institute, and Study Abroad Summer Program, NC State University - collaboration on developing and promoting educational psychology courses as part of the Prague Institute Education Program, 2009-2012

NC State University Prague Institute- developed and taught the EDP 304 Educational Psychology /EDP 504 Advanced Educational Psychology Courses for the Study Abroad Program, Prague, Czech Republic, May-June, 2009, 2010

Foreign Academic Cultural Exchange Service (FACES), Educational exchange program for K-12 teachers, Columbia, South Carolina, 2000-2003

Cross-Cultural Project, Educational exchange program for K-12 teachers, Chisinau, Republic of Moldova, 1999

Program Comenius 'Migrant Children with Special Needs', An International Multi-National Project, Malmo, Sweden, 1998

Curriculum Board Program Coordinator, National Commission of Reform in Education, Elementary Education Division, Educational Science Institute, Bucharest, Romania, 1997-1999

NC STATE UNIVERSITY SERVICE

University level

Genetics & Genomics Initiative, College of Sciences, NC State University, 2019-present

Office of Faculty Development, Professional Development Group, NC State University, Spring 2016

University Library, *Committee Member*, NC State University, Spring 2015

College level

Faculty Chair (elected), College of Education, NC State University, 2017-2018

Associate Dean for Research Search, Committee Member, College of Education, NC State University, Spring 2018

Education Action Summit, Disrupting Poverty: Initiating Collective Impact in Education", TELS faculty group, College of Education, NC State University, April 2016

Faculty Activity Reports (FAR) Task Force, Committee Member, College of Education, NC State University, Spring 2015

CED Open House, Educational Psychology Program representative, NC State University, Fall 2019, Fall 2017, Spring 2017, Fall 2016, Spring 2016

Qualitative Methods Working Group, *Member*, 2015-2018

Courses and Curriculum Committee, College of Education, NC State University, Spring 2015

Outstanding Teacher and Alumni Awards, Committee Member, College of Education, NC State University, 2012-2015

Education Week, International Education Panel, College of Education, NC State University, Fall 2013

Council on Multicultural Initiatives & Diversity (COMID), Committee Member, College of Education, NC State University, 2010-2011

College Research Committee, Committee Member, College of Education, NC State University, 2009-2010

Master's in educational studies Committee Member, College of Education, NC State University, 2008-2009

Department level

Graduate Program Coordinator, Educational Psychology, Teacher Education and Learning Sciences, College of Education, NC State University, 2016-2018, Fall 2019-ongoing

Department Voting Faculty (DVF)/ Reappointment Promotion and Tenure (RPT) Committee, Teacher Education and Learning Sciences Department, Elementary Education Program, Committee Member, College of Education, NC State University, 2016-2017, 2017-2018

Post Tenure Review (PTR) Committee (elected), Teacher Education and Learning Sciences Department, Committee Member, College of Education, NC State University, 2016- 2017, 2017-2018

Program Coordinator Compensation, Task Force Member, Teacher Education and Learning Sciences Department, College of Education, NC State University, Spring 2017

Revision of Department Reappointment Promotion and Tenure (RPT) and Post Tenure Review (PTR) Guidelines and Standards, Task Force Member, Teacher Education and Learning Sciences Department, College of Education, NC State University, Spring & Fall 2016

Department Webpage Design, Task Force Member, Teacher Education and Learning Sciences Department, College of Education, NC State University, Spring 2016

MEd Program Development, Committee Member, Elementary Education Department, NC State University, 2014- 2015

ELM SECC Committee Member, Elementary Education Department, NC State University, Fall 2014

STEM Day, Elementary Education Department, NC State University, May 2014

Department Head Search, Committee Member, Elementary Education Department, NC State University, 2013-2014

EDP Faculty Search, Committee Member, Curriculum and Instruction, & Counseling Education (CICE) Educational Psychology Program, NC State University, 2011-2012

ELM Revising Curriculum Committee Member, Elementary Education Department, NC State University, 2008-2009

GEP New Requirements Task Force Member, Elementary Education Department, NC State University, 2008-2009

Dispositions Assessment Task Force Member, Elementary Education Department, NC State University, 2008-2009

21st Century Task Force Member, Elementary Education Department, NC State University, 2009

International/Cultural Experience, Task Force Chair, Elementary Education Department, NC State University, 2009

EPLS Faculty Search, Committee Member, Educational Psychology and Learning Systems Department, Learning and Cognition Program, Florida State University, 2006-2007

Educational Psychology Curriculum Committee Member, The Educational Psychology Accomplished Practices and Indicators, Educational Psychology and Learning Systems Department, Florida State University, 2006-2007

Teaching Assistant Mentor/Supervisor, Educational Psychology and Learning Systems Department, Florida State University, 2006-2007

Program of Instructional Excellence (PIE) Associate Representative, Educational Psychology and Learning System Department, Florida State University, 2005-2007

Outstanding Teaching Assistant Award (OTAA) Evaluation, Committee Member, Program of Instructional Excellence (PIE), Florida State University, 2005-2007

SERVICE EXTERNAL TO NC STATE UNIVERSITY

Outreach: Regional level

K-12 teacher training in environmental health science research and interactive teaching practices. This is an 8-week summer professional development training and educational activities for teachers in high-poverty throughout NC. Funded by NIH/NIEHS, NC State University, June 2018-2022

K-5 teacher training in STEM active learning by using science and mathematics logs. This is one week of training for K-5 teachers involved in the research project ATOMS. Funded by NSF, NC State University, July 2014-2016

K-5 teacher professional development, Motivational Strategies, Beginning Teacher Institute, NC State University, August 2014

National and International level

K-12 teacher training in ‘Motivational Strategies for STEM’. This is a year-round training and educational activities for pre-service and in-service teachers in high-poverty in Romania. Funded by US Fulbright Commission, October 2018- June 2019

APA Division 15’s Dissertation Awards, Committee Member, 2017-2020

APA Division 15’s Membership Committee, 2017-2018

Session Chair, International Institute of Social and Economic Studies, (IIES), International Conference, London, UK, May 2017

Session Chair, International Conference on Language, Education and Innovation (ICLEI), London, UK, May 2016

External evaluator for Radut-Taciu, R., Babes Bolyai University, Romania- Review dossier for candidacy and promotion to Associate Professor, January-February 2016.

External evaluator for Oana Negru-Subtirica, Babes Bolyai University, Romania- Review dossier for candidacy and promotion to Associate Professor, January-February 2019.

AERA, Division C, Dissertation Awards, Committee Member, 2014-2015

Journal Editorial Board: *Sage Open*, 2014; *Educational Psychology*, 2016-2018; *Acta Didactica Napocensia*, 2017-present (details below)

International Scientific Board Member for conferences: INEC, 2018; ISATT 2018-2019; MSE, 2019 (details below)

Conference Reviewer: AERA, APA, NARST, various years, from 2008-present (details below)

Journal Reviewer (see more details below): *Urban Education*, *Educational Psychology*, *Asia-Pacific Journal*, *Teaching and Teacher Education*, *Action in Teacher Education*, *Journal of Teacher Education*, *International Journal of Science Education*, *European Journal of Teacher Education*

EDITORIAL BOARD & SCIENTIFIC BOARD MEMBER

Section editor, *Sage Open*, 2014, 2019

International scientific board member, International Conference on Manufacturing Science and Education (MSE), University ‘Lucian Blaga’ of Sibiu, Romania, 2019

International scientific board member, The 19th Biennial Conference of International Study Association on Teachers and Teaching (ISATT), University 'Lucian Blaga' of Sibiu, Romania, 2018-2019

International scientific board member, International Nonformal Education Conference (INEC), Sancaiu de Mures, Romania, 2018

Consulting editor and editorial board member, *Educational Psychology*, 2016-2018

Editorial board member, *Acta Didactica Napocensia*, 2017-present

REVIEWER AND SCHOLARLY SERVICE

Manuscript Reviewer for Journals

Science Education, 2019

European Journal of Teacher Education, 2017,2018

The Teacher Educator, 2017-2018

Educational Psychology, 2016-2018

International Journal of Science Education, 2016

Journal of Research in Education, 2013

The Asia-Pacific Education Researcher, 2012

Teacher and Teaching Education, 2011-2018

Educational Review, Manuscript Reviewer, 2011

Journal of Teacher Education, Manuscript Reviewer, 2010-2011, 2016

Urban Education, Manuscript Reviewer, 2008-2011

Textbook Reviewer

Classroom Assessment for Teachers: A Practical Approach, Textbook Reviewer, McGraw-Hill Higher Education, 2011

Human Learning (7th ed), Textbook Reviewer, Pearson Education, 2017

Conference Proposals Reviewer

The 19th Biennial Conference of International Study Association on Teachers and Teaching (ISATT), Sibiu, Romania, 2018-2019

International Conference on Manufacturing Science and Education (MSE), University 'Lucian Blaga' of Sibiu, Romania, 2019

American Psychological Association (APA) International Conference, 2009-2017

Association for Science Teacher Education (ASTE) International Conference, 2015-2016

National Association of Research in Science Teaching (NARST), International Conference, 2011-2016

American Educational Research Association (AERA) International Conference, 2010-2013

TRAINING & CERTIFICATION

NIEHS Training Directors, bi-annual training for NIEHS PI, Durham, NC, December 2019

K-12 Professional Teacher Certificate in Special Education for the state of South Carolina

Online Mentor Certification, Academic Programs and Professional Services (APPS), Florida State University, 2007

Program of Instructional Excellence (PIE) Certificate, Florida State University, 2005

Teaching and Learning in the English Educational System Certificate, seminars and workshops, University College of Ripon & York St. John, York, UK, 1996

Oklahoma Great Expectations Program, Summer institute, Professional Development Training, Great Expectations Foundation and Northeastern State University, Tahlequah, OK, 2007

Program of Instructional Excellence (PIE) and Academic Programs and Professional Services (APPS), training, seminars, and workshops, Florida State University, Tallahassee, FL, 2005-2007

Step-by-step program certification in elementary school system, training and seminars, Educational International Seminar, Bucharest, Romania, 2000

Conflict Resolution certificate, training and seminars, European Union PHARE Program, Cluj-Napoca, Romania, 1999

The twelve steps method: Alcohol and substance abuse counseling strategies, seminar, courses and program training, Prison Fellowship Romania, Cluj-Napoca, 1998

PROFESSIONAL MEMBERSHIP

American Education Research Association (AERA)

Eastern Educational Research Association (EERA)

American Psychological Association (APA)

European Association for Research of Learning and Instruction (EARLI)

HONORS & AWARDS

US Core Fulbright Scholar Award for Romania, 10/2018-6/2019

University Faculty Scholars Award, North Carolina State University, 2019

University Faculty Scholars, College of Education Award Recipient and Nominee for the University program, 2019

Research Peace Award, International Journal for Research Under Literal Access, 2019

Who's Who in America, 2018

Outstanding Teaching Award Nominee, College of Education, NC State University, 2017

'Thank a Teacher', Office of Faculty Development, North Carolina State University, 2013, 2016, 2017, 2018

Educational Technology Funds (ETF), College of Education, North Carolina State University, 2011, 2012, 2015, 2017

Scholarly Leave Reassignment Award, Fall 2015

Faculty Research Professional Development Award (FRPD), College of Education, North Carolina State University, 2009

Professional Commitment to Excellence in College Teaching Award, Program for Instructional Excellence (PIE), Florida State University, 2006, 2007

Graduate Student Dissertation Support Award, Office of Graduate Studies, Florida State University, 2007

Outstanding Teaching Assistant Award, Office of Graduate Studies, Florida State University, Nomination, 2007

Teaching Associate Academic Honor, Office of Graduate Studies, Florida State University, 2006

Academic Distinguished Scholarship, University of South Carolina, 2003-2004

President's Honor Roll, University of South Carolina, 2003-2004

Dean's List, University of South Carolina, 2003-2004

Soros Foundation Fellowship Award 'Teaching and Learning in the English Educational System', University College of Ripon & York St. John, United Kingdom, 1996

Professional Confirmation Degree-Excellent in Education Award, Pedagogical College, Cluj-Napoca, Romania, 1996-1998

Academic Honor Scholarship, Babes-Bolyai University, Cluj-Napoca, Romania, 1990-1995