**Cindi Smith-Walters, PhD**

**Biology**

**Teaching Philosophy:**

A quality education teaches students how to think, not what to think. My role as an educator is: 1) To instill a sense of wonder about the world, 2) To enable students to see science as a part of not apart from daily life, and 3) To allow individuals to make mistakes in a safe environment. Making mistakes is how we learn, no matter what our age. These three shape learners and encourage them to try new things and be open to fresh ideas. They lay a foundation for a good life; a life where individuals become thoughtful and knowledgeable decision makers using reasoned emotion to make choices.I meet these goals through the use of collaborative and active learning strategies which connect content from the class, the training, or workshop to our lives. My use of analogies and manipulatives contribute to effective communication of complex ideas while motivating students to seek personal meaning. Many former students report they find ways to use and apply what they have learned in my courses in their own classrooms and lives. I cannot think of a higher accomplishment than that.

C. Smith-Walters. Biology

**CINDI SMITH-WALTERS, Ph.D.**

Department of Biology, PO Box 60 Phone: (615) 898-5449 Middle Tennessee State University, Murfreesboro, TN 37132 [cindi.smith-walters@mtsu.edu](mailto:cindi.smith-walters@mtsu.edu)

**PHILOSOPHY OVERVIEW**

My role as an educator is: 1) To instill a sense of wonder about the world, 2) To enable students to see science as a part of not apart from daily life, and 3) To allow individuals to make mistakes in a safe environment.  Making mistakes is how we learn, no matter what our age. These three shape learners and encourage them to try new things and be open to fresh ideas.  They lay a foundation for a good life; a life where individuals become thoughtful and knowledgeable decision makers using reasoned emotion to make choices. I meet these goals using collaborative and active learning strategies which connect content from the class, the training, or workshop to our lives.  My use of analogies and manipulatives contribute to effective communication of complex ideas while motivating students to seek personal meaning.  Many former students report they find ways to use and apply what they have learned in my courses in their own classrooms and lives, and I cannot think of a higher accomplishment.

**PROFESSIONAL BACKGROUND**

Professor of Biology and Director, Middle Tennessee State University Center for Environmental Education Murfreesboro, TN 1993-present

* Biology Undergraduate Curriculum Committee
* Student Travel Committee, Chair
* MTeach (General Biology Track of Ecology & Organismal), member
* Served on several Master’s Thesis Committees (to completion)
* Currently Chairing a MS Thesis
* Currently Co-chairing two PhD Dissertation Committees
* Have served several terms on the MTSU Distinguished Service Award Committee, Chair (1 year)
* Council on Teacher Education Committee, member
* Continuing member of several FLC (Faculty Learning Community) Groups
* Served terms on the Academic Appeals Board
* Served on search committees for both biology and Honors College positions
* Served several years on the University Academic Appeals Committee

Director, Project CENTS (Conservation Education Now for Tennessee Students), TN Department of Education

Nashville, TN 1988-1993

Education Coordinator, Oklahoma Conservation Commission

Oklahoma City, OK 1983-1988

Graduate Teaching/ Research Assistant, Oklahoma State University

Stillwater, OK 1978-1983

**EDUCATION**

Oklahoma State University (Stillwater, Oklahoma) Ph.D. Environmental Science 1988

Oklahoma State University (Stillwater, Oklahoma) MS. Curriculum & Instruction 1984

East Central State University (Ada, Oklahoma) B.S. Biology major/Education minor 1978

**STUDENT OVERSIGHT AND MENTORING**

Oversight and mentoring students with research, presentations, programs, articles, etc.

**Most current student theses and dissertations completed and/or in progress:**

*MS Thesis Chair*

Emily N. Orbison, anticipated completion Summer, 2017***,*** Untitled thesis (research regarding non-formal science

education).

*MSE Dissertation Co-Chair*

Chatoria Kent Franklin, anticipated completion Summer, 2017, *Examining the Influence of Lesson Study on*

*Elementary Science Teachers’ Practice* (FYI: Ms. Franklin has “stopped the clock” and is taking a year of

leave prior to finishing.)

Heather L. Barker, anticipated completion Summer, 2017, *The Influence of Argumentative Discourse on Pre-*

*Service Teachers Alternate Conceptions in Life Science*

David C. Owen, Completed, 2016, *An Analysis of the Effects of Gamification (Repeat Level Test Strategy and*

*Performance Competition Indicators) on Achievement and Motivation in an introductory Biology Laboratory Course*

**List of graduate students under current or past oversight and mentorship:**

Heather Barker M.S.E., Ph.D.

Chatoria Franklin M.S.E., Ph.D.

Velta Fanis-Napoleon M.S.E., Ph.D.

Mary Ellen Lohr M.S.E., Ph.D.

Emily N. Orbison M.S. Biology, focus Education

David Owens M.S.E., Ph.D. – degree completed

Angelique Troelstrup M.S.E., Ph.D. – degree completed

**PUBLICATIONS**

Publications related to instruction. (Note: \* Indicates student collaborations.)

Mangione, K., Reid, J.\*, Dorris\*, A., Tharp, T., & Smith-Walters, C. Teaching English Language Learners through

Inquiry, *Approaches to Teaching the Content Areas to English Language Learners in Secondary Schools*. de Oliveira, L.C, Obenchain, K., Kenney, R., & Olivei, A. (eds.) (Accepted in Preparation)

Smith-Walters, C. (In press). Ecology: The way the world works. In Rillero, P. & Eddis, S. (editors). *Mastering*

*the Science Content of the NES General Science Exam*. Anthem, AZ: Independent Variable

Smith-Walters, C., Mangione, K., & Bass, A. (2016). Challenges in preparing preservice teachers for teaching

science as a second language. *Electronic Journal of Science Education Special Issue* Vol 20 (No. 3)

Smith-Walters, C. & Barker, H.\* (2015). *Pre-service Teachers’ Self-Efficacy and Attitudes toward Learning and Teaching Science in a Content Course.* E. DeSilva (ed.) Cases on Research-Based Teaching Methods in Science Education, IGA Global, Hershey, PA.

Smith-Walters, C. (2015). Visual Data with Pre-service Science Teachers: from awareness to application. K. Finson & J. Pederson (eds.). *Application of Visual Data in K-16 Science Classrooms*. Information Age Publishing (IAP), Charlotte, N.C.

Smith-Walters, C. (2014). “Get Up, Get Out, Find Out! Exploring nature with field guides”. M. L. Bentley &

M. P. Mueller (eds.). *Developing Environmental Awareness in Children: A nature studies guide for parents and educators*. New York, Peter Lang.

Smith-Walters, C**.** “Diversity of Life”. C. Wilson (ed.) *Passing the state elementary and middle school proficiency*

*tests: Essential content for elementary and middle school (4-8) science teachers.* University Press of America. Lanham, Maryland.

Smith-Walters, C. & Campbell, C*.,* Take it outside! Making the most of your schoolyard. *Green*

*Teacher*. Summer 2014, 103

Smith-Walters, C., K. Hargrove, H. Hargrove. Extending the classroom: Tips for planning successful

field trips. *Science and Children*, Summer 2014, 51(9).

Smith-Walters, C. (2014).  *The Inclusion of Environmental Education in Science Teacher Education*. Manuscript submitted for publication. (Note: This article highlights the use of Project WILD, Learning Tree, WET, and other environmental education curricula in teacher preparation.)

Smith-Walters, C. “Biology Bits and Tips: how to get to the head of the class”. Wyman, P. (Ed.)

*Amazing Grades: 101 best ways to improve your grades faster*. The Center for New Discoveries in Learning Incorporated, Las Vegas, Nevada, 1987. Pg. 85-87.

Smith-Walters, C. & Ambruster, C. “Nature Journaling for Novices: finding your own Walden”. L. Zepp (Ed.) *Tennessee Conservationist Magazine*. Nashville, TN. Nov/Dec. 2012. Pg. 12-16.

Reviewer for NSTA Recommends and reviews appear in three of NSTA’s Journals: The Science Teacher, Science Scope, and Science and Children

Women in Conservation: Dian Fossey: Friend to Africa’s Gorillas

Women in Conservation: Sylvia Earle: Ocean Explorer

Women in Conservation: Rachel Carson: Environmental Pioneer

Women in Conservation: Jane Goodall: Chimpanzee Protector

Science Sleuths: Measure It!

Science Sleuths: Model It!

Science Sleuths: Prove It!

Science Sleuths: Plan and Investigate!

A series of The Pier at the End of the World

Awesome African Animals: Lions are Awesome!

Awesome African Animals: Elephants are Awesome!

Awesome African Animals: Chimpanzees are Awesome!

*Differentiated Science Inquiry* on the NSTA Recommends website <http://www.nsta.org/recommends/ViewProduct.aspx?ProductID=20428>.

The Environment Challenge: Reducing Pollution and Waste

The Environment Challenge: Sustaining Our Natural Resources

Open Wide: A Look at Animal Mouths

Universe: Journey into Deep Space

**PRESENTATIONS**

Presentations related to instruction. (Note: \* Indicates student collaborations.)

Owens, D.\*, & Smith-Walters, C. (2017). *Gamification and the Enhancement of Motivation to Learn Biology in*

*an Introductory Undergraduate Laboratory Course*. NARST (accepted)

Reid, J. W.\*, Smith-Walters, C., & Parrish, J.\* (February 2, 2017). *Plickers: A ‘new’ technology to benefit students and instructors.* Rapid Talk Presentation given at the annual TN STEM Educational Research Conference,

Murfreesboro, TN.

Napoleon-Fanis, V.\*, Smith-Walters, C. (February 2, 2017). *Reinforcing and Assessing Preservice Teachers*

*Science Content Knowledge using Alphabet Books*. Rapid Talk Presentation given at the annual TN STEM

Educational Research Conference, Murfreesboro, TN.

Smith-Walters, C., Parrish, J.\*, Reid, J. W. \* Google, A.\* (January 6, 2017). *Population Education: Hands-on*

*Activities for the Elementary Classroom.* A workshop for elementary teachers. Franklin, TN.

Smith-Walters, C., Parrish, J.\*, Reid, J.\*, Google, A.\* (January 6, 2017). *Population Education: Teaching for the*

*Global Family*. A workshop for middle and high school teachers. Franklin, TN.

Smith-Walters C., Hargrove, K., & Napoleon-Fanis, V.\* (November 2016). *Easy Avian ID in Your Schoolyard*.

TN Science Teachers Association, Murfreesboro, TN.

Rogers, M., Dorris, A.\*, & Smith-Walters, C. (November 2016). *Super Sleuths: Project WET*. TN

Science Teachers Association, Murfreesboro, TN.

Smith-Walters, C., Lanfear, A., & Napoleon-Fanis, V.\* (October 4, 2016). *Engaging and Supporting*

*Undergraduate Anatomy and Physiology Laboratory Students in the Acquisition of Specialized*

*Vocabulary.* Invited talk. MTSU/MSE Fall Seminar Series. Murfreesboro, TN.

Walters, D., Smith-Walters, C., Morgan, C., & Ervin, B. (September 24, 2016). *Measuring STEM: Using Biltmore*

*Sticks with your students*. TN Environmental Education Association Fall Conference. Land-Between-

the-Lakes, Dover, TN.

Smith-Walters, C., Hargrove, K. (September 24, 2016) *Learn Your Birds: Easy ID for Home or School.* TN

Environmental Education Association Fall Conference. Land-Between-the-Lakes, Dover, TN.

Lohr, M.E.\*, Napoleon-Fanis, V.\*, & Smith-Walters, C. (May 6, 2016) *Mitosis Made Easy: Take it to Your*

*Classroom.* Mid-South Math Science Education Forum. Cookeville, TN

Lohr, M.E.\*, Napoleon-Fanis, V.\*, & Smith-Walters, C. (May 6, 2016) *Meet BoB: Interactive Science Notebooks*.

Mid-South Math Science Education Forum. Cookeville, TN

Smith-Walters, C., Barker, H.\* & Walters, D. (March, 2016). *Bringing nature inside: A classroom investigation to develop science process skills.* National Science Teachers Association, Nashville, TN.

Barker, H.\* & Smith-Walters, C. (March 2016). *Cellular Respiration: Reducing confusion through collaboration.* National Science Teachers Association, Nashville, TN.

Smith-Walters, C., & Barker, H.\*. (January, 2016). *Thinking outside the box: A final exam using visual metaphors.* Association of Science Teacher Educators. Reno, NV.

Barker, H. L.\*, & Smith-Walters, C. (January, 2016). *The influence of argumentative and collaborative discourse on pre-service teachers’ alternative conceptions in life science*. Association of Science Teacher Educators. Reno, NV.

Smith-Walters, C., & Troelstrup, A.\* A. (February, 2016). *Pass the plants, please!* Elementary Integrated Curriculum Conference. Middle Tennessee State University, Murfreesboro, TN.

Napoleon-Fanis, V.\*, Lanfear, A., Smith-Walters, C. (November, 2015) *Using word-sorts and concept maps to increase student engagement in anatomy and physiology I labs.* Tennessee Academy of Science. Murfreesboro, TN.

Troelstrup, A.\*, Lanfear, A., & Smith-Walters, C. (November, 2015) *Does a modified think-pair-share strategy affect D-F-W raters in anatomy and physiology I lecture?* Tennessee Academy of Science. Murfreesboro, TN.

Smith-Walters, C., Walters, D. (March, 2016) *Trees of Tennessee*. Tennessee Naturalist Program, Owls Hill Nature Center, Franklin, Tennessee.

Smith-Walters, C., Walters, D. (March, 2016) *Reading the forest.* Mansker’s Station Lecture Series. Goodlettsville, TN.

Smith-Walters, C., Walters, D. *Naming is not knowing; using trees to teach*. Tennessee Environmental Education Association. Montgomery Bell State Park, Burns, TN.

Napoleon-Fanis, V.\*, Lanfear, A., & Smith-Walters, C. *Using Word Sorts, Picture Sorts, and Concept Word Sorts to Increase Student Engagement and Interest in and Anatomy and Physiology I Lab.*

Research poster Scholar’s Week 2015, Middle Tennessee State University, Murfreesboro, TN.

Smith-Walters, C., & Barker, H. L.\* (May, 2015). *Actively Learning about Kingdoms of Life.* Tennessee Mathematics for Elementary Education and the Tennessee Science for Elementary Education. Middle Tennessee State University, Murfreesboro, TN.

Barker, H. L.\*, & Smith-Walters, C. (November 2014). *Promoting Effective Argumentative Discourse*

*in Pre-service Teacher Education.* Tennessee Science Teachers Association (TSTA). Murfreesboro, TN.

Owens, D.\*, & Smith-Walters, C. (January. 2015). *Pedagogical Content Knowledge through an*

*Ecological Lens of Energy Flow: Using Next Generation Science Standards to Introduce PCK for Science.* The National Association for Research in Science Teaching (NARST), Pittsburgh, PA.

Smith-Walters, C., Walters, D. (March, 2014). *Forests of Tennessee*, Tennessee Naturalist Program,

Owls Hill Nature Center. Franklin, Tennessee.

Smith-Walters, C. & Walters, D., (June, 2015), *Using PLT in Novel Ways*. International Project Learning Tree (PLT) Conference. PLT. Deadwood, South Dakota.

**Barker, Heather L.\*,** & Smith-Walters, Cindi. (January 2015).  Promoting Effective Argumentative

Discourse in Pre-Service Teacher Education. Round-table seminar presented at the Association for Science Teacher Educators (ASTE) International Meeting, Portland, OR.

Smith-Walters, C.**,** & **Barker, Heather L.\*** (January 9, 2015).  Pre-Service Teachers’ Science

Attitudes and Self-Efficacy in a Life Science Content Course. Syllabus-sharing presentation at the Association for Science Teacher Educators (ASTE) International Meeting, Portland, OR.

Smith-Walters, C., & **Barker, H. L\***. (November 7, 2014). Let’s Start an Argument:  Implementing Scientific

Argumentation to Enhance Inquiry Lessons. Tennessee Science Teachers’ Association (TSTA)

Professional Development Conference, Murfreesboro, TN.

**Smith-Walters, C., Barker, H. L.\***, & Brinthaupt, T. M. (March 30, 2014). Pre-service

Teachers’ Self-efficacy and Attitudes toward Learning and Teaching Science in a Content-based Biology Course. National Association for Research in Science Teaching (NARST), Pittsburgh, PA.

**Owens, C. D.\*,** Smith-Walters, C. (March, 2015). *Enhancing Academic Achievement, Nature Appreciation and Activity through the Junior Rangers Program*. Research poster Scholar’s Week 2015, Middle Tennessee State University, Murfreesboro, TN.

Lohr, M. E.\*, Troelstrup, A.\*, & Smith-Walters, C. (November, 2014), *Preservice Teacher Internet Attitudes*. MidSouth Educational Research Association, Knoxville, TN.

Owens, D. C.\*, & Smith-Walters, C. (January, 2015). *Pedagogical content Knowledge through and Ecological Lens of Energy Flow: Using the next generation science standards to introduce PCK for science teaching*. Association for Science Teacher Educators (ASTE) International Meeting, Portland, OR.

Barker, H.L.\*, Smith-Walters, C. (March, 2015). *The Influence of Epistemic Beliefs on Pre-Service Teacher Engagement in Argumentative Discourse*. Research poster Scholar’s Week 2015, Middle Tennessee State University, Murfreesboro, TN.

Smith-Walters, C., Walters, D. (March, 2013) *Forests and Forestry in Tennessee.* Tennessee Naturalist Program, Franklin, TN.

Smith-Walters, C. (January, 2014) *Teaching and Learning; Seeing the leaves, the trees, and the forest*. Society of American Foresters, Kentucky-Tennessee Chapter. Keynote address 2014 Winter Meeting, Manchester, TN.

Smith-Walters, C. & Barker, H.L.\*, (March, 2014) *Pre-service Teachers’ Self-Efficacy and Attitudes toward Learning and Teaching Science in a Content-based Biology Course*. National Association Research in Science Teaching (NARST). Portland, OR.

Sadler, K., Smith-Walters, C., Lytle, R. & O’Connor, K. (November, 2013) *Oh, Me! Oh My! Meiosis and Mitosis; Strategies to Teach*. National Association of Biology Teachers (NABT). Portland, OR.

Barker, H.L.\* & Smith-Walters, C. (November, 2013) *Effect of a content-based science biology course on the attitudes of pre-service teachers toward teaching and learning scienc*e. Tennessee Academy of Science (TAS). Columbia, TN.

Smith-Walters, C., Owens, D.\* & Barker, H.L.\* (November, 2013). *Who Eats Whom? Investigating Food Chains and Food Webs*. Tennessee Science Teachers Association. Murfreesboro, TN.

Smith-Walters, C., Owens, D.\* & Barker, H.L.\* (November, 2013) *Unbar the Door and Enhance Student Learning Experiences Outside the Classroom.* Tennessee Science Teachers Association. Murfreesboro, TN.

Smith-Walters, C., Owens, D.\* & Bonner, J.\* (October, 2013) *Educating Students for a Sustainable World*. Tennessee Association for the Gifted. Nashville, TN.

Smith-Walters, C., Hargrove, K. (September, 2013), *Nature Journaling; Make It and Take It!* Tennessee Environmental Education Association (TEEA), Jamestown, TN.

Smith-Walters, C., Owens, D.\* (January, 2013). *Teaching outside the box and outside the classroom.* Tennessee. Middle Tennessee State University Integrated Curriculum Conference. Murfreesboro, TN.

Smith-Walters, C., Barker, H.\* (April, 2013). *Top tips for review and retention*. National Science Teachers Association, San Antonio, Texas.

Smith-Walters, C., Ball, M. (May, 2012). *Connecting PLT and STEM using biomimicry as a focus.* National PLT Conference, Deadwood, South Dakota.

Smith-Walters, C., Barker, H.\* (November, 2012). *Top tools for teaching.* Tennessee Science Teachers Association State Conference. Murfreesboro, TN.

Smith-Walters, C., Barker, H.\* (November, 2012). *We’re all in this together: Symbiotic relationships in our own backyard*. Tennessee Science Teachers Association State Conference, Murfreesboro, TN.

Smith-Walters, C. Barker, H.\* (November, 2012). *Top tips & tools: Improving retention, review and results in your classroom.* School Science and Mathematics Association, Birmingham, Alabama.

**GRANTS**

Grants for curricular development, student training, and adult training. (Note: \* Indicates student collaborations.)

McCreedy, D. & Smith-Walters, C. National Science Foundation, ITEST. *From Curiosity to Career: Engaging*

*Rural Youth in STEM Experiences and Careers*. $688,000. (pending)

McCreedy, D. & Smith-Walters, C. National Science Foundation, AISL. *From Curiosity to Career: Engaging*

*Rural Youth in STEM Experiences and Careers*. $692,000. (pending)

Smith-Walters, C., Sadler, K., McDougall, P., & McCurdy, D. National Science Foundation AISL. *Leveraging*

*Engagement and Formal Learning through Informal STEM Experiences* (L2). $299,918 (pending)

Smith-Walters, C. Tennessee Wildlife Resources Agency, TAMP (TN Amphibian Monitoring Program). 2016-

2021. $20,000

Smith-Walters, C., Sadler, K., McDougall, P. Lanfear, A. National Science Foundation. *Leveraging Engagement and Formal Learning through Informal STEM Experiences* (L2). (Submitted Nov. 2015) $299,918. (not funded)

Smith-Walters, C. Public Service Grant: *Project Archeology* ($2,500)

Smith-Walters, C. & Sadler, Public Service Grant: The monarch conservation garden at Middle Tennessee State University. ($1,500)

Smith-Walters, C. & Sadler, MTSU Foundation Grant: *Establishing monarch conservation gardens in Middle Tennessee*. ($9,000) (not funded)

Smith-Walters, C. Tennessee Wildlife Resources Agency, TAMP (TN Amphibian Monitoring

Program). 2013-2015. $20,000 (continuing)

Co-PIs: Dr. Cindi Smith-Walters & Stephen Bartos. National Science Foundation, ILISA. Funding

Period 01/23/2014 – 12/30/2016. $327,000 (NOT FUNDED)

Co-PIs: Drs. Cindi Smith-Walters & Warren Anderson, Song Cui, and Nate Phillips.

National Fish and Wildlife Foundation, *Stones River Healthy Watershed Demonstration and*

*Education Project*. Funding period: 2014-2016. $208,220. (NOT FUNDED)

Smith-Walters, C. Tennessee Wildlife Resources Agency, TAMP (TN Amphibian Monitoring

Program). 2010-2013. $20,000

Smith-Walters, C. Special Event Funding: *To bring Denny ‘Critterman’ Olsen to MTSU*,

Murfreesboro, and Tennessee Environmental Education Association. Fall, 2012. $2000.

Smith-Walters, C. Public Service Grant: *Keep It Green Environmental Education*. 2012. $1,200.  
Anderson, W., & Smith-Walters, C. Public Service Grant. *Rain Garden/Rain Barrel Public Workshops*.

2012. $1,525.

Smith-Walters, C. Instructional Development Grant: *Does Inquiry Based Learning aid student*

*understanding and retention in BIOL 1121 labs*. $1,250. (NOT FUNDED)

Smith-Walters, C. Tennessee Department of Agriculture, *Discover the Waters of Tennessee*. 2009-

2013. $121,000.

Smith-Walters, C., & Barker, H.\* *Scientists in the Classroom (SIC): Increasing Awareness of*

*Environmental Careers and Improving Local Environmental Quality*. U.S. Environmental

Protection Agency. $212,031 (NOT FUNDED)

**AWARDS AND ACHIEVEMENTS**

* Identified three times in 2013, five times in 2014, and once in 2015 by student nomination as “A person at MTSU that makes a real difference”.
* 2013 National PLT Educator of the Year
* 2012 Tennessee Academy of Science: Fellow
* 2011 National PLT Educator of the Year
* 2010 MTSU Foundation Award for Excellence in Public Service
* 2010 Tennessee PLT Facilitator of the Year
* 2008-2009 President: TN Academy of Science
* 2008-09 Award of Excellence for Educational Programming (MTSU CEE) from the TN Association of

Museums for work with the TN State Museum on a series of public programs, teacher’s workshops, and a newspaper insert publication which accompanied the museum’s exhibition, *The River Inside: John Guider’s Amazing Journey.*

* 2009 Silver Telly Award to the MTSU CEE for the “Empower Hour” a video focusing on engaging teens in reducing water pollution, was produced for the MTSU WaterWorks! Program and was selected from over 13,000 entries.
* 2007 Program Chair: TN Academy of Science
* 2006 Distinguished Service, Tennessee Environmental Education Association
* 2005-2006 Excellence in Service, MTSU College of Basic & Applied Sciences
* 2005-2006 MTSU Special Projects Award, MTSU Foundation & College of Basic & Applied Sciences
* 2005-present Editorial Board, Ranger Rick Magazine, National Wildlife Federation
* 2004-2005 Excellence in Grantsmanship, MTSU College of Basic & Applied Sciences
* 2003-present Governor’s Committee: Keep Tennessee Beautiful
* 2001 TN Governor’s Award for Conservation and Stewardship, TN Department of Environment and Conservation
* 2003-2006 Editorial Board: Journal of College Science Teaching, National Science Teachers Association
* 2000 MTSU Foundation Award for Outstanding Teaching, MTSU Foundation
* 2000 Project Learning Tree Service Award, Oklahoma Project Learning Tree
* 1999 MTSU Foundation Award for Outstanding Public Service, MTSU Foundation
* 1999 Outstanding Service to Environmental Education, TN Environmental Education Association
* 1998 Science Educator of the Year/Higher Education, TN Science Teachers Association
* 1994 Project WILD Director's Award of Recognition, National Project WILD
* 1993 Forest Resource Award, TN Forestry Association
* 1993 Excellence in EE Award, TN Environmental Education Association
* 1992 President's Environment and Conservation Challenge Award presented by President George H.W. Bush
* 1991 SAMAB Award to conduct teacher forestry education training in Sweden
* 1991 Certificate of Appreciation, Metro Council Directors of Volunteers
* 1990 Conservation Educator of the Year, Tennessee Conservation League
* 1990 Earth Day Make a Difference Award, TN Division of Forestry, District IV
* 1988 State of Excellence Award, Oklahoma Governor Henry Bellmon
* 1987 Outstanding Educator of the Year, Soil & Water Conservation Society, Oklahoma Chapter
* 1986 Oklahoma Project Learning Tree - Outstanding New Program in the Nation, American Forest Council

**PROFESSIONAL SERVICE ACTIVITIES**

* Review of children’s science trade books for Information in Action Program, Scholastic Inc.

(Referred by Gina Logue, MTSU Office of News and Media Relations) – reviewed 5 books

* TN Academy of Science – Education Committee Chair
* TN Environmental Education Association – two committees, and Education Committee Chair (2013-2014)

Ex-officio member and represents TWRA

Member at Large (2013-2015)

* National Project Learning Tree – two committees
* Advisory Council – Next Generation Curriculum (ongoing)
* Writing Panel – Next Generation Development
* NSTA – two committees (including Higher Education Committee)
* Higher Education Committee
* Program Review Board, 2016 NSTA Conference
* NSTA Recommends – since last year’s report I have reviewed 19 non-fiction trade books for children and had those reviews published in *The Science Teacher, Science Scope, Children and Science.*
* ASTE – Proposal Reviewer for 2014 and 2015 ASTE Conference
* EJSE (Electronic Journal of Science Education) review panel member since 2007 and review

Between six and ten papers a year for this publication:

<https://books.google.com/books?id=puFmCwAAQBAJ&pg=PR5&lpg=PR5&dq=cindi+smith-walters&source=bl&ots=aRFzKJso9x&sig=u8eOBwDnpKkA3ukUfY-8SN_5Tiw&hl=en&sa=X&ved=0ahUKEwi2geHF3bHSAhXFQSYKHcdLC344ChDoAQg6MAk#v=onepage&q=cindi%20smith-walters&f=false>

* Editorial Advisory Board; IGI-GLOBAL. *Cloud-Based STEM Education for Improved Learning Outcomes. S*cheduled for release in 2015. Reviewed five chapters, identified one for publication with minor revisions, three for publication with major revisions and two to be returned to authors.
* Tennessee Environmental Literacy Working Group member. Resulted in the development of the Tennessee Environmental Literacy Plan: Explore, Learn, Engage. Jointly accepted and approved by the Tennessee State Department of Education and the Tennessee Department of Environment and Conservation, July, 2013.
* Expert Reviewer – Next Generation Science Standards
* ASTE - Proposal Reviewer for the 2013, 2014, and 2015 ASTE Conference
* Professional Development Committee (2009-2012)
* State Task Force - TN Master Naturalist Certification program, founding member and state treasurer
* Continued work KTNB - Governor appointed to Keep Tennessee Beautiful Steering Committee
* Advisory Council, Tennessee Project WET
* Treasurer – TN Naturalist Program
* Nashville ZOO – Education Board (appointed 2013)
* Steering Committee Member Tennessee Project WILD
* Steering Committee Member Tennessee Project Learning Tree
* CLUB Marvel – a cooperative effort of MTSU and Murfreesboro City Schools (MCS) conducted a water education day with approximately 80 MCS students (Eight MTSU preservice teachers assisting)
* Several Workshops (4-6 hours each) for formal & non-formal educators.

WILD, PLT, WET, Population Connection, & other EE curricula.

* Conducted several ‘camp days’ workshops for children (ages 8-12) at Owl’s Hill

Nature Center in Williamson County as part of their Junior Naturalist Program.

* NSTA Children’s Book Committee. 2008-2012
* Faculty Learning Community (FLC): Information Literacy
* FLC: Translational Educational Science
* FLC Book Club: *How Learning Works*:7 Research Based Principles for Smart Teaching
* MSE Book Club: Make it Stick: The Science of Successful Learning
* Follett Certification: Collaborative Flipped Instruction
* Follett Certification: Free Resources for Your Flip

**CONSULTING WITH COMMUNITY OR PROFESSIONAL ORGANIZATIONS** (not previously mentioned)

* Chemical Educator
* Journal of College Science Teaching
* Cumberland River Compact
* Discovery Center
* Many other schools and organizations