

FACULTY CURRICULUM VITAE

Dr. Ratna Narayan

January 2016

Work Phone Number: 972 780 1340

Office Number and Building: 201 N

Work E-Mail Address: ratna.narayan@unt.edu

University of North Texas Dallas

7300 University Hills Blvd.

Dallas, Texas 75421

AREA OF EXPERTISE

I am a science teacher educator and am interested in improving the science teaching and learning experiences of pre-service and in-service teachers. My research foci are inquiry and its associated processes informal and informal science learning settings, multicultural education and pre service elementary science teacher education. My service efforts are focused on professional development of pre-service and with collaborating with the Perot Museum of Science where I have recently earned the title of Master Volunteer.

EDUCATION

Year	Degree	Major	Institution
2005	PhD	Science Education	University of Georgia
1994	B.Ed	Science & Math	Bombay University
1988	M.Sc	Inorganic Chemistry	Bombay University
1986	B.Sc	Chemistry	Bombay University

PROFESSIONAL EXPERIENCE

Begin/End Year	Place of Employment	Rank / Job Title
2011-	University of North Texas, Dallas	Associate Professor
2005-2011	Texas Tech University	Assistant Professor
2002-2005	University of Georgia	Teaching Assistant, Instructor in Chemistry
1995-2001	Bombay University	Lecturer in Chemistry

SCHOLARSHIP

Narayan, R., Park, S., Peker, D., Suh, J. (2013) Students images of scientists and doing science: an international comparison study. *Eurasia Journal of Mathematics, Science and Technology Education* 9(2), 115 – 129

Shappeck, M., Araujo, J., & Narayan, R. (revisions submitted spring 2013). Review of the book Schools cannot do it alone, by Vollmer, J. *Journal of Curriculum and Pedagogy*, 10(2), 1-6.

Rodriguez, C., Araujo, A., Narayan, R., Shappeck, M., Moss, G. (2012) Nurturing Lifelong Language Learners. *English in Texas vol 42 (1)* p 62-67

Petty, L., Narayan, R. (2012) Investigating Secondary Science Teachers' Beliefs about Multiculturalism and its Implementation in the Classroom. *Multicultural Perspectives v*

- Narayan, R., Rodriguez, C., Araujo, J., Shaqlih, A., & Moss, G. (2011). "Constructivism-- Constructivist Learning Theory", In Press, In Irby, B.J., Brown, G., & Lara-Alecio, R. (Eds.) *Handbook of Educational Theories*. Charlotte, NC: Information Age Publishing, Inc.
- Narayan, R., Lamp, D. (2010) "Me! Teach Science?" Exploring EC-4 Pre service Teachers' Self-efficacy in an Inquiry-Based Constructivist Physics Classroom *Educational Research and Review*, 5(12), pp. 748-757
- Narayan, R. (2010) "Writing Science" in an Inquiry-Based Undergraduate Biology Laboratories for Non-Science Majors. *Educational Research and Review*, Vol. 5 (10), pp. 604-617
- Seung, E., Park, S., Narayan, R. (2009) Exploring Elementary Preservice Teachers' Beliefs about Science Teaching and Learning as Revealed in their Metaphor Writing, *Journal of Science Education and Teaching*
- Sherrod, S., Dwyer, J, Narayan, R. (2009) Developing Science and Math Integrated Activities for Middle School Students, *International Journal of Mathematical Education in Science and Technology*, 40 (2) pp. 247 – 257
- Narayan, R. (2004). Better safe than sorry. In T. R. Koballa & D. J. Tippins (Eds.), *Cases in middle and secondary science education: The promises and dilemmas* (pp. 111 - 113). Upper Saddle River, New Jersey: Pearson Education, Inc.