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Pronouns: she/her

EDUCATION AND TRAINING

Texas A&M University	College Station, TX	Applied Mathematical Sciences	B.S., 2004
Colorado State University	Fort Collins, CO	Radiological Health Sciences	M.S., 2011
Colorado State University	Fort Collins, CO	Radiological Health Sciences	Ph.D., 2014

PROFESSIONAL EXPERIENCE

- 2019- **Joint Faculty**, *Center for Radiation Protection Knowledge, Oak Ridge National Laboratory*: provide technical support for development and reporting of new radiation dose and risk models and radiation protection guidelines.
- 2020- **Associate Professor**, *Environmental Engineering & Earth Sciences, Clemson University*
- 2014-2020 **Assistant Professor**, *Environmental Engineering & Earth Sciences, Clemson University*: oversee a research program in radioecology and health physics, teach courses related to issues associated with radioactivity, mentor and advise students
- 2013-2014 **Consultant**, *Risk Assessment Corporation*: reviewed and recommended river pathway bioconcentration factors for the Hanford site.
- 2008-2011 **Power Plant Performance Specialist**, *Energy Services, General Physics Corporation*: designed and implemented power plant performance improvement programs using GP technologies and practices.
- 2007-2008 **Radiation Health Officer**, *Naval Medical Center Portsmouth, U.S. Navy*: managed personnel, equipment, and administrative matters for the Radiation Health Division.
- 2005-2007 **Nuclear Power Instructor**, *Naval Nuclear Power Training Command, U.S. Navy*: trained over 350 enlisted students in the fundamentals of the design, operation, and maintenance of naval nuclear propulsion plants.

SELECTED RECENT PUBLICATIONS (ORCID: <https://orcid.org/0000-0002-7184-3043>)

- Martinez, N.E.**, D.W. Jokisch, L.T. Dauer, K.F. Eckerman, J.D. Brockman, S.Y. Tolmachev, R. Goans, M. Avtandilashvili, M. Mumma, Boice, J.D., R.W. Leggett (2021) "Radium dial workers: back to the future" *Int J Radiat Biol* (in press) doi: 10.1080/09553002.2021.1917785
- Martinez, N.E.**, and L. Van Bladel (2020) "Radiation protection challenges in applications of ionizing radiation on animals in veterinary practice," *Ann ICRP* 49(1_suppl):9-31
- Root, C., R.R. Sinclair, T.A. DeVol, and **N.E. Martinez** (2020) "A mixed methods approach to improving radiation safety culture in a university setting," *Health Phys* 118:427-437
- Montgomery, D.A. and **N.E. Martinez** (2020) "Dosimetric modeling of ⁹⁹Tc, ¹³⁷Cs, ²³⁷Np, and ²³⁸U in the grass species *Andropogon Virginicus*: Development and comparison of stylized, voxel, and hybrid phantom geometry" *J Environ Radioactiv* 211:106075
- Willey, A.H., T.A. DeVol, and **N.E. Martinez** (2019) "Thermal neutron flux characterization and dose modeling of a PuBe source," *Health Phys* 117:669-679
- Martinez, N.E.** (2018) "Women in the Radiation Sciences and the Importance of Building Community," *Health Phys* 115:547-9

- Montgomery, D., N. Edayilam, N. Tharayil, B. Powell, and **N. Martinez** (2018) “Uptake and translocation of ^{99}Tc , ^{137}Cs , ^{237}Np and ^{238}U in the grass species *Andropogon Virginicus*,” *Health Phys* 115:550-60
- Cho, K-W., M-C. Cantone, C. Kurihara-Saio, B. Le Guen, **N. Martinez**, D. Oughton, T. Schneider, R. Toohey, and F. Zölzer (2018) “Ethical Foundations of the System of Radiological Protection. ICRP Publication 138.” *Ann ICRP* 47(1):1-65
- Smith, G. and **N. Martinez** (2017) “Ethics, Stakeholders and Low Doses” *J Radiol Prot* 37:947-52
- Martinez, N.E.** (2017) “Contributions from women to the radiation sciences: a brief history,” *Health Phys*, 112:376-83.

COURSES TAUGHT

EES 4100/6100, Env Radiation Protection	EES 8830, Advanced Topics in Radioecology
EES 4140/6140, Radioecology	EES 8180, Nuclear Culture
EES 4800, Environmental Risk Assessment	LS 2380, Vinyasa Yoga
EES 8150, Radiobiology	LS 2350, Basic Yoga
EES 4900, Creative Inquiry	

HONORS AND AWARDS

- Delegate to IRPA15, Health Physics Society (2021)
- Murray Stokley Award for Excellence in Teaching, Clemson University College of Engineering, Computing and Applied Sciences (2020)
- First Place and People’s Choice Award, Science as Art, Clemson University College of Engineering, Computing and Applied Sciences (Spring 2020)
- Elda E. Anderson Award, Health Physics Society (2019)
- President’s Service Award, Health Physics Society (2018)
- Bo Lindell Medal, International Commission on Radiological Protection (2018)
- Young Investigator’s Award, 3rd International Conference on Radioecology & Environmental Radioactivity, International Union of Radioecology (2014)

PROFESSIONAL SERVICE AND AFFILIATIONS

- American Board of Health Physics: Certification (2015 -)
- Health Physics Society: Environmental/Radon Section, Secretary/Treasurer (2015 - 2017); Faculty advisor, Clemson University student branch (2014 -); Women in Radiation Protection Section, President (2018 -); Task Force for Radiation Protection Research Needs (2017 -); Guest Editor *Health Physics Journal* (Nov 2018); Secretary-Elect (2020 -); Co-chair, Task Force on Diversity, Equity, and Inclusion (2020 -)
- International Commission on Radiological Protection: Committee 4 member (2017 -), vice-chair (2021 -); Task groups 94 (ethics), 110 (veterinary practice), 114 (reasonableness/tolerability)
- Session planner and lead, Clemson PEER/WISE Girl Scout Day (2018,2019), Project WISE (2019, 2021), and STEM Day (2020)
- Judge, Clemson Annual High School Ethics Case Competition (2019, 2020)
- Dean’s Advisory Council, Clemson CECAS (2019 -)
- Faculty Advocating for the Commitment to Ethics (FACE) Committee, Clemson Rutland Institute for Ethics (2019 -)
- Department of Energy (DOE) Environmental Management Advisory Board (EMAB) (2019 -)
- Clemson University Commission on Women (2020 -)