

Short CURRICULUM VITAE

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Alessandra Feo is a theoretical physicist working at the Department of Chemistry, Life Sciences and Environmental Sustainability, Parma University. Her major research interest is focused on: 1) mathematical and numerical modeling of fluid dynamics to implement new modeling approaches for groundwater flow and contaminant transport simulations and their parallel implementation in high-performance computing systems. 2) Numerical simulations of gravitational waves emission from binary neutron star mergers. 3) Lattice QCD and lattice supersymmetry. Graduated in Physics from the Central University of Venezuela (Caracas) and an equivalent degree in Physics at Pisa University (1993), Ph.D. in Theoretical Physics at Pisa University (1993). She held several research appointments: Scuola Normale Superiore, Pisa (1995-1996), Cyprus University (1997-1998), Muenster University, Germany (1998-2001), Trinity College Dublin (2001-2003), KITP affiliate, UCSB, Kavli Institute for Theoretical Physics, USA (January-February, 2005), CERN (March-May, 2005), and Parma University since 2003. Her scientific production contains more than 70 papers with more than 1600 citations and Hirsh number $h=24$ (Google Scholar source). Reviewer for different journals in physics: PRD, PRL, Classical Quantum Gravity, Universe-MDPI (Topic Editor member since 2020), and Water-MDPI (Editorial Board member since 2021, Reviewer Board member since 2020, Guest Editor member of the Special Issue “Groundwater Modelling in Karst Areas”), Energies-MDPI, Geosciences-MDPI. She has a long experience in teaching graduate and post-graduate courses. She is a co-tutor of under-graduate and post-graduate theses. She participates in several research projects funded by national and international organizations. Invited speaker for more than 60 seminars, including plenary speaker.