

Teresa Parra received her PhD in Mechanical Engineering in 1999. She is a researcher in the framework of Fluid Mechanics and Turbo-machinery at the University of Valladolid. Her research is applied to renewable energies (hydraulic and wind power) as well as ultra-low emissions of stabilized lean swirling flames. Since 2012, she is user of high performance computing infrastructures.

She has published among others in Combustion Explosions and Shock Waves, Journal of Engineering Computations, Combustion Science and Technology, Energy, Building and Environment, Applied Thermal Engineering.

Supervisor of 6 Ph. D. theses on the following issues: Numerical and experimental study of parallel and inclined turbulent wall jets. Numerical model for two-phase solidification problem in a pipe. Turbulent supercritical mixing- Selection of methods and tools. Numerical Simulation of the Performance of a Human Nasal Cavity. Numerical Analysis of Airfoils Used at Vertical Axis Wind Turbine. Aerodynamics, Turbulence, and Non-Premixed Combustion in swirling burners.