

## Short cv-

### **Manuela Minozzi LCU**

**Female**



Manuela Minozzi is currently the *Scientific Coordinator* of the Research Office and an *Extraordinary Professor* in Physics.

#### **Experience:**

She has over 20 years of experience, with at least 10 years dedicated specifically to the coordination of research and development projects. Her extensive experience in this field has allowed her to lead numerous scientific initiatives and manage complex research processes.

#### **Academic Background:**

Manuela Minozzi is a Professor in Physics, specializing in Theoretical Physics. Over the course of her career, she has worked on a broad range of topics related to the structure of matter. Her expertise includes Statistical Physics, Complex Systems such as fracture dynamics, defects, and dislocations, as well as Acoustics and the Simulation of Systems under Critical Conditions. Additionally, she has conducted significant research in Computational Biophysics, focusing on ion channels, membranes, and their interactions with antibiotics, as well as force fields and drug design. She has developed Multiscale Models and worked extensively on Continuum Dynamics, Elastic Metrics, Distortions, and Nonlinear Elasticity. She also actively contributes to projects related to Defence and Security, particularly in the context of European collaborations.