



## Assistant Researcher PhD Jawad LAKZIZ

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**Scientific Title:** PhD in Physics, Assistant Researcher, Laureate of the Royal Naval School, Casablanca, Morocco

**Studies:** 2005, Royal Naval School, Casablanca, Morocco where he obtained his State Engineering Diploma, in 2005 and the State Doctorate in Physics at the faculty of Ben M'Sik Hassan II University, Casablanca, in 2014.

**Professional experience:** Head of Pedagogy Department, Electromagnetism, Fluid Dynamics, Optics. He specialized in modeling acoustic waves in submarine environments. His research interests focus on underwater acoustics, marine environmental modeling, and numerical simulations applied to marine technologies. He has also conducted research on the classification of acoustic waves using artificial intelligence techniques.

**Key points of interest in research:** submarine acoustics, underwater noise impact, signal processing, and AI applications in marine environments. He is currently a Guest Editor of the Journal of Marine Technology and Environment and collaborates with academic and research institutions in the fields of submarine acoustics, underwater noise impact, signal processing, and AI applications in marine environments.