



**H.F.R.I.**  
Hellenic Foundation for  
Research & Innovation

**Description of the funded research project**  
**1st Call for H.F.R.I. Research Projects to Support Faculty**  
**Members & Researchers and Procure High-Value**  
**Research Equipment**

**Title of the research project:** Assistance for students in Singing and Music Aesthetics

**Principal Investigator:** Anastasia Georgaki

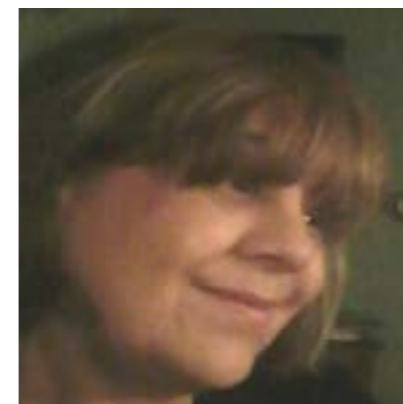
**Reader-friendly title:** ASMA

**Scientific Area:** Humanities and Arts

**Institution and Country:** NKUA, Greece

**Host Institution:** NKUA

**Collaborating Institution(s):**  
University Paris IV, Royal Institute of Technology, Royal Holloway,  
Athena/LISP



**Budget:** €200.000

**Duration:** 24 months

## Research Project Synopsis

**This research project involves original and innovative research on the social and aesthetic importance of student vocal training. Its deliverables evolve around the development of a collection of complementary applications assisting elementary school singing education. Vocal cultivation is a thriving research-field of major importance, because the act of singing develops the students' sense of participation and social integration both within the school and in the real-world. The act of singing as a way of aesthetic creation is not only a means for expressing the students' feelings and shaping their personality, but also a channel for communication on an intercultural level. The individualized character of vocal training is non-applicable to the current elementary school curricula, due to the limited duration and non-private nature of music courses. As a result, new technologies assisting the development of modern teaching methodologies are necessary. The ASMA collection of interactive applications will support the vocal training of elementary students in terms of the following aspects: correct pronunciation, tonal precision, expressiveness, and musical rhythm in singing. It will be based on experiential learning, and visualization techniques, leading to the desirable results through recreational, albeit educational processes, within collaborative and adaptive learning. We hope that the ASMA platform will be integrated into the curriculum of Greek elementary schools, once it is completed.**

## Project originality

***The main goal of this research project is the theoretical/practical substantiation and development of interactive digital educational tools which will assist elementary school music teachers in instructing young students to singing practices and theory.***

## Expected results & Research Project Impact

*One of the key contributions of this research lies in the development of a multi-sensory experiential learning method, based mainly on the utilization of new technologies. This approach focuses on the multidisciplinary synthesis of theoretical and applied research between music pedagogy and cognitive science, using the tools of modern technology in audio and music. In this respect, it contributes to the exploration of new methods of music education. Our project proves the effectiveness of technology-supported learning, which leads to a more intensive and effective musical development that is strongly connected to the personal, social, ethnic background, the needs and desires of the students. On the other hand, the impact of this project is prominent for the social and cultural education of students. The exercising and expanding of vocal capabilities through the implementation of the interactive tools, will contribute to the formation of an appropriate cultural behavior, which in turn can lead to achieving intercultural communication.*

## The importance of this funding

The financial support of H.F.R.I. has allowed us to pursue this research project, with access to all necessary means. 1) it initiated a fruitful collaboration with local and international research partners under the umbrella of the ASMA research. 2), it allowed the formation of a research team of specialists in fields pertinent to this work.. 3) It allowed for the acquisition of specialized equipment. 4) It supports financially the work of graduate students. 5) It supports financially the publication of our work in international venues.



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