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# Socioecology and Composition: Research Possibilities for Music Education.

Carbajal Vaca, Irma Susana.

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# Conference Proceedings

**CIVAE 2023**

**5th Interdisciplinary and Virtual  
Conference on Arts in Education**

May 24-25, 2023

Edited by MusicoGuia

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## SCIENTIFIC COMMITTEE

*Acknowledgement and thanks are given to the Scientific Committee*



**Dr. Donatella Danzi**

Director of the International Congress of Theatrical Glottodidactics in Spain and Professor of Italian Applied to Singing at the Escuela Superior de Canto in Madrid (ESCM), Italy.



**Dr. David O. Akombo**

Professor of Music Education and Dean of the Faculty of Culture, Creative and Performing Arts at the University of the West Indies at Cave Hill in the Barbados, West Indies, United States.



**Dr. Felisa De Blas Gómez**

Head of the Theater Plastic Department RESAD and professor ETSAM UPM. Head of RESAD Studies 2010-2013 and ICT Coordinator 2007-2010, Spain.



**Dr. Ramón Pérez Parejo**

Associate Professor of the Department of Didactics of Language and Literature of the Faculty of Teacher Training at the University of Extremadura (Caceres), Spain.



**Dr. Irma Susana Carbajal**

Associate Professor of the Bachelor of Music, the Master of Art and the Interinstitutional Doctorate in Art and Culture at the Autonomous University of Aguascalientes, Mexico.



**Dr. Karina Gabriela Ramírez**

Teacher at the UANL School of Visual Arts, México. Coordinator of DiseñoLab: Design intervention laboratory, whose purpose is to promote creative capital that serves to solve problems from research in design.



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Associate Professor of the IES Francisco Umbral de Ciempozuelos (Madrid) where he founded the project "Voces para la Convivencia" (VpIC). Adjunct Professor at the UAM, Spain.



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Musician, educator and researcher. Phd in Education and Phd in Performing Arts. After being teacher in different universities, he shares his passion as a musician specialized in drums and percussion around the world.



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Associate Professor in the interfaculty music department of the Faculty of Teacher Training and Education at the UAM (Spain) and academic coordinator of the Master's Degree in Advanced Music Therapy and Applications, Spain.



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Associate Professor at the Institut del Teatre de Barcelona and deputy director of the Escuela Superior de Arte Dramático (ESAD), Spain.



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Research professor in undergraduate, master's and doctoral programs. Former Director of Quality for Higher Education of the Ministry of National Education of Colombia.



**Dr. Rosa Peñasco**

Writer and Associate Professor in the Department of Social Services and Historical-Legal Foundations, of the Degree in Social Work (Faculty of Law, UNED), Spain



**Dr. Daniel Gutiérrez-Ujaque**

Teacher of Didactics and School Organization at the UdL - Universitat de Lleida, Spain - and music teacher at the primary education stage in a public school.



**Dr. Sara Navarro Lalanda**

Teacher at the Università Europea di Roma, Accademia Nazionale di Santa Cecilia, Italy. External collaborator in the Master's Degree in Musical Interpretation and Research (VIU), Spain



**Dr. Elisabet Aranda**

Associate Professor in the Department of Microbiology at the University of Granada (UGR), Spain, at the Faculty of Pharmacy.



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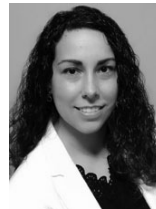
**MSc. Clarissa D. Melo**

teacher of Arts and Portuguese Language in the municipal school system and also in the private network, Brazil.



**Lic. Javier Rico**

Lecturer of Graphic Design at the School of Art and Superior Design of Alicante, Spain. He is currently doing his doctoral thesis at this university on «The Artificial Intelligence in the creative processes of graphic design».



**Dr. María José Gómez Aguilera**

Director of the Master's Degree at the International University of Valencia (VIU), Director of "Innovation in Strategic and Digital Marketing", Spain.



**Dr. Gemma Guillem Cardona**

Associate Professor of music and performing arts specializing in horn and holds a Physiotherapy Diploma from the University of Valencia (UV), Spain.



**Dr. Ignacio Pascual Moltó**

Higher Professor of Music specializing in oboe and has a degree in Music History and Sciences from the University of La Rioja, Spain.



**Dr. Paloma Peláez Bravo**

Associate Professor at the Painting Department of the Faculty of Fine Arts of the Complutense University of Madrid, Spain.



**Dr. José Manuel Teira Alcaraz**

Lecturer of the University Master's Degree in Evaluation and Management of Quality in Higher Education of the Open University of Catalonia, Spain.



**Dr. Almudena González Brito**

Associate Professor and researcher at the Neuroimaging and Neurochemistry laboratory at the University of La Laguna, Spain.

# Socioecology and Composition: Research Possibilities for Music Education

**Irma Susana Carbajal-Vaca**

*Universidad Autónoma de Aguascalientes, Mexico*

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## Abstract

Aim for contributing to a balanced bioethical culture, near to the proposition of Mauricio Beuchot's analogical personalism, the creative-musical process of music students and teachers is studied in relation to the basic level educational needs to socialize urgent environmental issues and generate knowledge through incidence science (Pronaces, 2021). This research perspective, within the framework of Conacyt's National Strategic Programs, aims to have a positive impact on the solution of socio-ecological problems. In this communication we present the results of the first stage of the research "This is how the trees of my region sing: Voices of hope for Mexico" registered at the Autonomous University of Aguascalientes with the code PIE22-1 of the Educative Research Program (PIE, 2023).

*Keywords:* music education, composition, incidence science.

## Sociología y composición: Posibilidades de investigación para educación musical

### Resumen

Con el objetivo de contribuir a una cultura bioética equilibrada, cercana a la propuesta del personalismo analógico de Mauricio Beuchot, se estudia el proceso creativo-musical de estudiantes y profesores de música en relación con las necesidades educativas del nivel básico para socializar temas ambientales urgentes para coproducir conocimiento de manera transdisciplinaria desde el paradigma de la ciencia de incidencia (Pronaces, 2021). Esta perspectiva de investigación, en el marco de los Programas Estratégicos Nacionales, se propone impactar positivamente en la solución de problemas socioecológicos. En esta comunicación presentamos resultados de la primera etapa de la investigación "Así cantan los árboles de mi región: Voces de esperanza para México" registrado ante la Universidad Autónoma de Aguascalientes con la clave PIE22-1 del Programa de Investigaciones Educativas (PIE, 2023).

*Palabras clave:* educación musical, composición, ciencia de incidencia.

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### *Acknowledgments*

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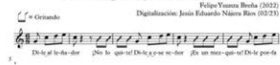
5th Interdisciplinary and Virtual Conference on Arts in Education

Irma Susana Carbajal-Vaca

Professor Research, Music Department,  
Universidad Autónoma de Aguascalientes, Mexico

## Socioecology and Composition: Research Possibilities for Music Education.

### El mezquite y el huizache



TRANSDISCIPLINARY INTERVENTIONS  
AWARENESS CONFERENCES

### INTRODUCTION

- Research: "This is how the trees of my region sing: Hopeful voices for Mexico." Registered at UAA, January 2022.
- Linked to the National Strategic Program Conacyt, Socio-ecological Systems and Sustainability (SSyS).
- Paradigm: Incidence Science to impact the solution of socio-ecological problems through transdisciplinary co-production of knowledge (Executive Committee SSyS, Pronaces, 2021).
- Focus: Socio-ecological and biocultural emphasis.
- Characteristics: public interest, social benefit, inclusion of citizenship, respect for public policies.
- Guidelines of the Ministry of Public Education: "Whoever knows their place of origin, learns to value what surrounds them" (CONALITEG, 2020).



"Let's remember that human beings are part of nature!"  
Parque Rodolfo Landeros, Aguascalientes, México.  
Photo: Carbajal-Vaca, julio 2022

### PROBLEMATIZATION

"Our world is falling apart in silence. Human civilization has reduced plants—a 400-million-year-old form of life—to three things: food, medicine and wood. In our relentless and ever-increasing obsession with getting more volume, potency, and variety of those three things, we've devastated plant ecological systems to an extent that millions of years of natural disasters couldn't achieve. [...] If we continue cutting down healthy trees at this rate, in less than six hundred years every last tree on the planet will be one stump away." (Jahren, 2017: 323)  
How to contribute from the field of musical education?

### RESEARCH OBJECTIVE

Aim for contributing to a balanced bioethical culture, near to the proposition of Mauricio Beuchot's analogical personalism, the creative-musical process of music students and teachers is studied in relation to the basic level educational needs to socialize urgent environmental issues and generate knowledge through incidence science.

### THEORETICAL SUPPORT

- Analog personalism: "tries to find that harmony between man and nature as a proportional balance". (Beuchot, in Beuchot-Puente & del Moral-Palacio, 2020: 46)
- Socioecology: Inter-transdisciplinary science to understand socioecosystems as systems shaped by the interaction of social and biophysical factors. Contributes to welfare and social development. It requires incidence science actions (Pronaces, 2021).
- Transdiscipline: Learning community from different disciplines and sectors of society. It integrates different forms of knowledge. It achieves various products, including artistic creations (Pronaces, 2021).
- There is sufficient empirical evidence in the field of systematic musicology that verifies that music has effects on learning and human cognition (Busse et al. 2021).

### ASSUMPTIONS

- The trees of Mexico are a complex and dynamic socio-ecosystem.
- It is possible to socialize scientific knowledge through artistic-musical activities to appreciate the natural environment as one of the highest values of the human being (CNDH, 2014).
- When we study creative and educational processes, we do incidence science.
- It is possible to design a transdisciplinary project to address environmental problems from the field of socio-ecological music education.



Third Collaborator Symposium: Dialogues between Composers, March 2023

### METHOD

- Investigation-action: Collective construction of knowledge and implementation of intervention strategies.
- Awareness conferences for doing hermeneutic conversations (Gadamer, 1999).
- Technique: focus group at symposia.

### RESULTS

#### ACTORS INVOLVED

- Composers from Jalisco, Nayarit, Chihuahua, Durango and Querétaro.
- More than 50 researchers and artists have joined, with collaborations from various disciplines.
- Researcher training: undergraduate, master's and doctoral students.
- Next stage: children studying at the primary level.

#### DERIVED RESEARCH PROJECTS

1. "Our natural environment: What and who make up today in Aguascalientes?"
2. "Musicological Analysis of Canto Cardenche" (Students of the BA in Music, UAA results presented at the CIEMNS 2022)
3. "This is how the trees of Durango sing" (Coordinated by Dr. Karla María Reynoso Vargas at the UJED).

#### COMPOSERS WHO DONATED CREATIONS

1. Aldo Rocha Franco
2. Carolina Valenzuela Arellano
3. Cristian Daniel Núñez Guerra
4. Dario Valentino Escobedo Ortiz
5. Diana Sofía Loaiza Navarro
6. Edgardo Daniel Maldonado Herrera
7. Felipe Ysaura Breaña
8. Guillermo Rodríguez Guzmán
9. Iván Nájera
10. José Marcos Partida Valdivia
11. Karen Sofía Martínez Zamora
12. Luz de Lourdes Santiago Morales
13. René Demian Galindo Ramírez
14. Santiago Hernández Nuño
15. Sheila Daniela Aldrete Alvarado
16. Ximena Carrillo Valles

### CONCLUSIONS

- Compositions from different states of the Mexican Republic were received, which will allow the second stage of the project to begin with the intervention of teachers with children in the third grade of primary school.
- An article co-authored with one of the composers was concluded, in which his creative process was analyzed through hermeneutic dialogue.
- We are currently working on co-authored articles with other composers.
- The number of collaborators added to the project confirms the relevance and relevance of the research. Our deep gratitude to all of them.

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\* Logo: Jaime Blanco Campoy, Master of Art, UAA

