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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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Socioecology and Composition: Research Possibilities for Music Education

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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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Our deepest gratitude to all the composers, researchers, artists, teachers and students who have joined in achieving the objectives of this research.

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5th Interdisciplinary and Virtual Conference on Arts in Education

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

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.

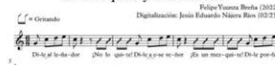
DERIVED RESEARCH PROJECTS

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 Ysania Brena
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

El mezquite y el huizache



**TRANSDISCIPLINARY INTERVENTIONS
AWARENESS CONFERENCES**

- "Green infrastructure for today's cities". Universidad de las Américas, Puebla - DAAD. Melissa Schumacher González - Architecture.
- "Let's talk about trees". Universidad Juárez del Estado de Durango. Luis Jorge Aviña Berumen - Industrial engineering.
- "The construction of a soundscape from the territory". Ushuaia, Argentina. Claudia Fabiana Fulco - Composition.
- "S.O.S. Mezquitera la Pona": 22 years caring for our trees". Instituto Cultural de Aguascalientes. Alicia Romo de la Rosa - Environmentalism.
- "Botanical gardens as sites of protection and biocultural resistance". Jardín Botánico Rey Nezahualcōyotl, Universidad Autónoma de Aguascalientes. Hugo Noé Araiza Arvilla - Botanical biology.
- "Current situation of trees in Guadalajara: causes and alternative solutions". Ambiente y Sustentabilidad A.C. Juan Gerardo Ruvalcaba Salazar - Engineering and Environmentalism.
- "Bet back. The Beatles and their creative processes, 1969". Universidad Autónoma de Querétaro. Mauricio Beltrán Miranda - Musicology.
- "Journey to the musical imaginary of the composer Edgar Martínez Lozano. Creativity applied to sound discourse". Universidad Autónoma de Querétaro Vicente Barrientos Yápez and Edgar Martínez Lozano - Musicology and composition.
- Three Contributor Symposia: Dialogues Between Composers.

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

