

Networks and collaborations that increase Mexican women's participation in physics.

Romero-Salazar, Lorena; Magaña-Vargas, Mariana; Ledesma, Mónica; Monroy-Hernández, Melissa, and González-Fernández, Belinka



Red de Ciencia, Tecnología y Género A. C.



The second emission of a
National Congress for Undergraduate Women in
Physics.
3-day hybrid Program.



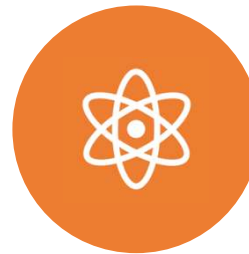
8 nodes: Guanajuato, Michoacán,
Mexico city, Puebla, Chiapas,
Nuevo León, Chihuahua &
Monterrey + remote participants



96 female students in-person
from 9 Mexican universities
and 38 remote participants,
41 invited female speakers
(including plenary speakers,
panelist, mentors and chairs)



3 plenary talks, 6 panel
discussions on soft skills and
gender issues that impact
their professional growth



6 sessions for conversations
with mentors on specialized
physics topics.



CUWIP 2023



Comité organizador: K. Caballero, I. Pedraza, M. Vargas, M. Velázquez.





37th edition of the Physics National Outreach Meeting - 2022.



Jornadas Nacionales de Física



- Since 2022, there are scientific outreach activities under an Annual National Agenda besides the Physics National Outreach Meeting.
- One of our WiP members collaborates with team "Scientific Proclamation"; a next step is to increase affirmative actions to promote women's visibility and promotion for scientific vocations .



- Online and on-site activities
- Conferences & Workshops
- @ Public and private schools

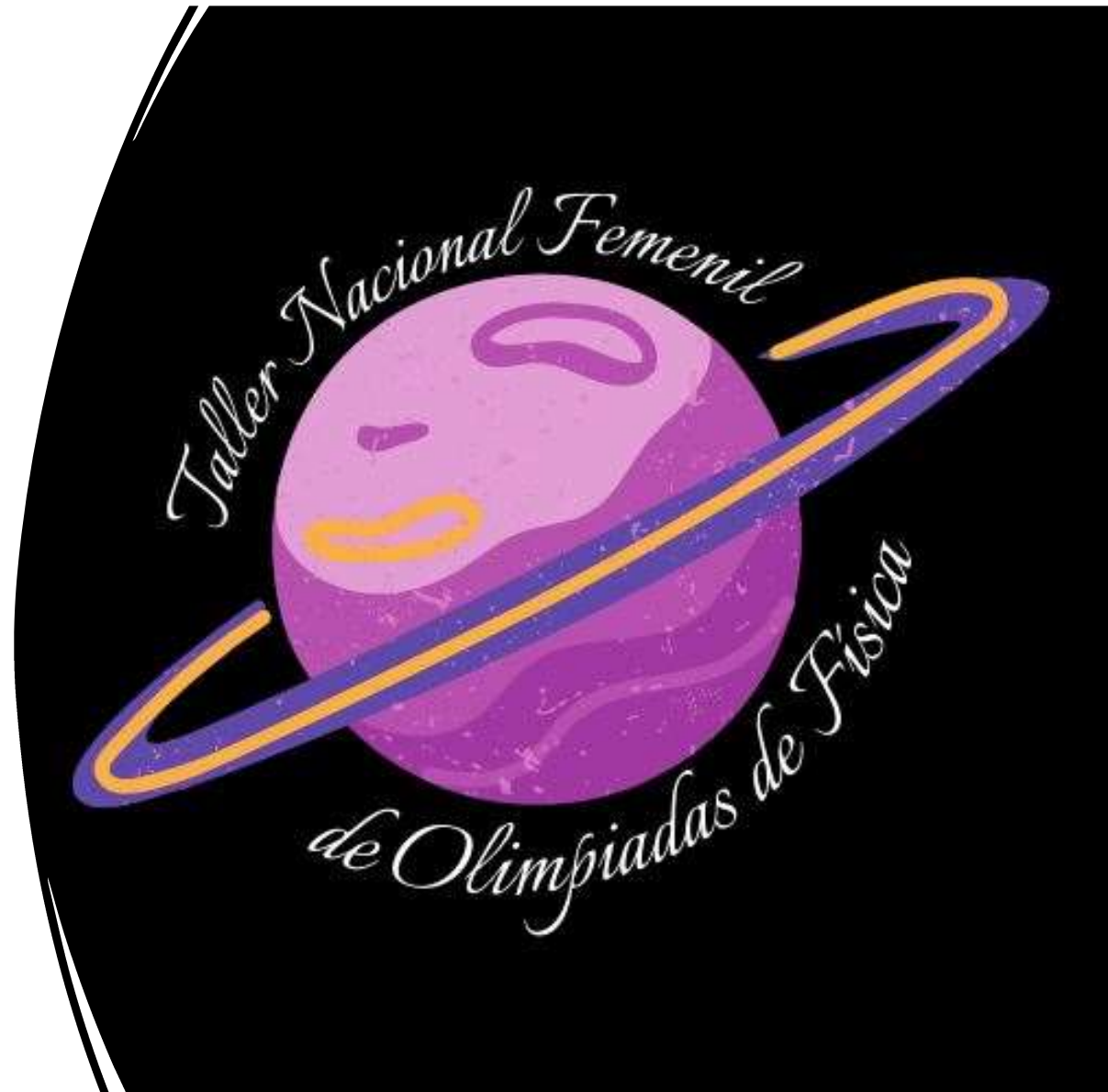
In 2022 there was a first edition of a National Women's Olympics Workshop in Physics. It drew attention to additional elements that would increase self-confidence to reach to extra goals.



National Silver Medal
& best experimental
test.



Iberoamerican Bronze
Medal.



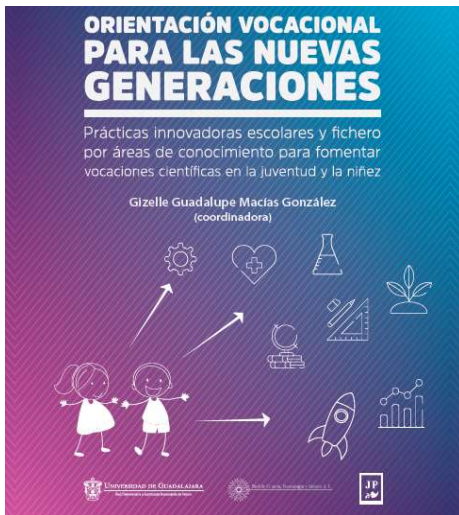


In collaboration with the Science, Technology and Gender Network, Team Mexico of WiP has increased participation in:

2023- A chapter including a critical feminist analysis on ethics and research on social and natural sciences.

First semester'2023

We designed a Workshop of Multidisciplinary guidelines for creating outreach material with gender mainstreaming. We have concluded the first edition and we are writing specific findings. Chiapas was the first place where we have implemented it, but other States of Mexico are already interested in replicating it.



2021- A chapter about increasing gender mainstreaming in high school teachers' work.



Promoting Science for young girls

In the last ICWiP we presented the preliminary elements for a series of books created to promote STEM vocations in young girls. Now there has been a pilot workshop program to evaluate the complementary material for the books.

1.-Ideas

2.-Facts

5.-
Multidisciplinary
Design



4.-
Preselection

3.-
Additional
info



The workshop included

- Storytelling
- Experiments
 - Search your surroundings
 - Kitchen recipe
 - Draw yourself as a scientist
 - Build your multifaceted woman scientist...

%



- 97 registrations
- 45 finished all the activities
- 4-12 years old



75.6% 15.6% 6.7%
Acceptance levels

General Law for Higher Education, 2021



CÁMARA DE DIPUTADOS DEL H. CONGRESO DE LA UNIÓN
Secretaría General
Secretaría de Servicios Parlamentarios

LEY GENERAL DE EDUCACIÓN SUPERIOR

Nueva Ley DOF 20-04-2021

Article 10.



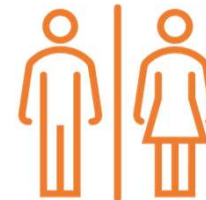
XVII Incorporate gender perspective transversally in academic functions ... teaching, research, liaison and cultural diffusion.... as well as administrative affairs



Article 49

XV.- *gender parity* in government, advisory and academic bodies also in directive making positions ...

XVI. *Promote gender equality* ...among academic staff...





Thank you!!!

Networks and collaborations were, are and will be a key factor for WiP-Mexico

lors@uaemex.mx

Romero-Salazar, Lorena; Magaña-Vargas, Mariana; Ledesma, Mónica; Monroy-Hernández, Melissa, and González-Fernández, Belinka



Red de Ciencia, Tecnología y Género A. C.

References

- CUWiP Website <https://www.cuwip-mexico.mx/index.html>
- González-Fernández, B. (2021). *Creación de material didáctico para promover vocaciones STEM en niñas de entre cinco y ocho años* in Coord. Covarrubias Salvatori et al “*Formas Incluyentes para entender y divulgar ciencia Vol. 2*”. Ed CONCYTEP. pp.227-236
- Güereca, R., Romero-Salazar, L. & Monroy-Hernández, M. (2023). *Perspectiva de género y ética en la investigación científica y humanista* in Coord. Arellano, A. Romero-Salazar, L. & López Loza J., *Ética de la investigación universitaria: perspectivas multidisciplinares*. Ed. SB, pp 77-106. (<http://hdl.handle.net/20.500.11799/138394>)
- Mexican Government. (2021). General Law Higher Education, ([Ley General de Educación Superior \(diputados.gob.mx\)](http://leygeneraldeeducacion.gob.mx/))
- Mexican Physical Society’s website <https://smf.mx/>
- Science, Technology and Gender Network <http://www.redciteg.org.mx/temas/libros.htm>
- Romero Salazar, L., Monroy Hernández M.M. & Flores-González, M.R. (2021). *Elementos para la ampliar la visión transdisciplinar y con perspectiva de género del alumnado de nivel secundaria* in Coord. Macías González, G.G. “*Orientación vocacional para las nuevas generaciones*”, Ed. Juan Pablos, pp. 171-195. (<http://www.redciteg.org.mx/documentos/libros/Orientaci%C3%B3n%20vocacional%20con%20portada.pdf>)