

Theater play to fostering STEM talent in girls

“Científicas: Pasado, Presente y Futuro”

F. Vega- Narváez
Universidad de Sevilla
Avda. Reina Mercedes s/n 41012
Sevilla (Spain)
pacovega@us.es

I. Fernández-Delgado
Universidad de Sevilla
Avda. Reina Mercedes s/n 41012
Sevilla (Spain)
isafer@us.es

M.C. Romero-Ternero
Universidad de Sevilla
Avda. Reina Mercedes s/n 41012
Sevilla (Spain)
mcomerot@us.es

A. Muñoz-Páez
Universidad de Sevilla
Avda. Reina Mercedes s/n 41012
Sevilla (Spain)
adela@us.es

C. Grima-Ruiz
Universidad de Sevilla
Avda. Reina Mercedes s/n 41012
Sevilla (Spain)
grima@us.es

M.J. Jiménez-Rodríguez
Universidad de Sevilla
Avda. Reina Mercedes s/n 41012
Sevilla (Spain)
majiro@us.es

ABSTRACT:

“*Científicas: pasado, presente y futuro*” is a dissemination activity. It tries to show which role women have had in Science along history. Five dramatized monologues present Hypatia of Alexandria, Ada Lovelace, Marie Curie, Rosalind Franklin and Hedy Lamarr.

As a journey in time, they tell their contributions and which difficulties they found because they were women and, in spite of that, they were scientists. These five scientists from past are played by five actual scientist and lecturer from the University of Seville. After these monologues, the actual scientists tell about how a scientist life is nowadays: wondering whys, team work, travelling to disseminate researching results ...

The motivation of this initiative is because, in theory, women have the same rights to study and work in accountable position than men. However, there is a rooted social stereotype where women are less gifted for Science than men. Reality is that, considering same curriculum vitae, a man has more possibilities than a woman to be selected to work as scientist.

Even today girls are addressed to non-scientific or non-STEM studies with a prejudice about girls are less qualify than boys for these careers.

Even today many girls think they are less qualify than their male fellows to work in Science.

Even today many boys look for other male fellows to do scientific works with the untrue belief that they (male) will do better works than girls’ ones in a “natural” way.

In the past, women who work in Science did it with many difficulties. Some things have changed but at the present women still suffer prejudice and stereotype that make girls keep clear of scientific or STEM studies. But the future is a treasure we must be care and actions to make gender gap disappear has to be taken.

“*Científicas: pasado, presente y futuro*”, is an action addressed to children and young people. Its objective is new generation grow with this conviction “Nothing is alien to a girl on the mere fact that being a woman”.

CCS CONCEPTS

• **Social and professional topics** → **Professional topics**; User characteristics; Gender; Women; Cultural characteristics • **Social and professional topics** → **Professional topics**; Computing Education

KEYWORDS

Women in STEM, gender gap, sterotype, divulgation

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