

8 - Scientific Literacy and Socio-scientific Issues | Empirical

SP - (15849) - ANALYSIS OF BREASTFEEDING AS A SOCIO-SCIENTIFIC PROBLEM: MAPPINGS OF CONTROVERSIES BY PRE-SERVICE PRIMARY EDUCATION TEACHERS

Miriam Palma-Jiménez (Spain)¹; Daniel Cebrián-Robles (Spain)¹; Ángel Blanco-López (Spain)¹

1 - University of Málaga

Short Abstract

Abstract: We live in a society in which citizens are exposed to an excess of information through different media on a large number of socio-scientific problems that require scientific knowledge in order to understand them and which also have social repercussions. One way of studying these problems is through the use of controversy maps or cartographies. This paper presents mapping as a tool to analyse the socio-scientific problem of breastfeeding with 68 pre-service Primary Education teachers at the UNIVERSITY in the academic year 2019/2020. The aim is to find out the students' understanding of the socio-scientific problem of breastfeeding and, for this purpose, the cartographies designed by the students are analysed taking into account the number of actants and poles that are identified. The use of mapping was useful to understand that the main actants related in the mappings were pharmaceuticals, feminism and formula milk manufacturing; however, only a few groups of students identified others such as formula milk marketing, administration, UNICEF, ecologism and emotional development. This work highlights the importance of learning to analyse these complex socio-scientific problems with tools that help to understand them.