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TITLE: Information and Communication Technologies (ICTs) in education: quality indicators

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ABSTRACT

A documentary review was carried out on producing and publishing research papers related to the study of the variables ICTs, Education and Quality. The bibliometric analysis proposed in this document was to know the main characteristics of the volume of publications registered in the Scopus database from 2017-2022, identifying 154 publications. The information provided by the said platform was organized employing tables and figures categorizing the information by Year of Publication, Country of Origin, Area of Knowledge and Type of Publication. Once these characteristics were described, a qualitative analysis was used to refer to the position of different authors on the proposed topic. Among the main findings of this research, Spain was the country with the highest number of records in Scopus, with 26 publications on the analysis of the impact of ICT on quality indicators in education. The area of knowledge that made the most significant contribution to the study variables was Social Sciences, with 86 published documents, and the type of publication that was most used during the period mentioned above was reviews, which accounted for 50% of the total scientific production.

BIOGRAPHY

Oswaldo Villacrés Cáceres received his bachelor's degree in 2011, in Riobamba-Ecuador, from Escuela Superior Politécnica de Chimborazo (ESPOCH) like an Engineer in Informatics System and his master's degree in 2016, in Ambato-Ecuador, from Universidad Técnica de Ambato like a Database Management. He is currently a Professor in the Science Faculty of ESPOCH. His current research interests include algorithms and databases. Information and Communication Technologies (ICTs) in education: quality indicators, The application of ICTs through the use of databases and online resources in higher education, Statistical equating of scores in 4th and 7th grade of General Basic Education in Ecuador using R software, Equating methodology in




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standardized assessments using a statistical algorithm, Educational assessment of information and communication technologies through statistical models, others. In addition, some of the books he has published are: Organizations and Information Systems, ICT for Written Communication in Higher Education, Information Systems in Business Administration.

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