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Developing and piloting an instrument for measuring upper secondary mathematics teachers beliefs in Nitra region.

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Summary: In our contribution we present the design and piloting process of instrument for measuring mathematics teachers' educational beliefs in Slovak educational settings. We briefly describe the theoretical framework on which the presented questionnaire is based. We also present the preliminary results of data collected from upper secondary mathematics teachers in Nitra region and the process of factor developing. For data analysis and reduction of items we used principal component analysis. Then we correlate the obtained factors to see the modules consistency. We present the particular parts of the questionnaire and some preliminary results of three selected modules of the questionnaire.

Classification: C29

Keywords: teachers' beliefs; PCA; in-service teachers

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