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FINDING POSSIBILITIES OF R&D COOPERATION BETWEEN SOUTH KOREA AND NORTH KOREA WITH BIBLIOMETRICS

Abstract:

North Korea is a one of most isolated country in terms of politics, economy, culture, and even technologies in the world. Republic of Korea (South Korea) had kept trying conversations with North Korea for developing relationship but social structures of both countries are quite different and that made political cooperation very hard. Thus, Korean government had tried other approaches such as supporting foods to people in North Korea or making a cooperative industrial cluster in North Korea. Technology collaboration between two countries also could be an alternative method for developing relations but it was very rare until now. First reason is that it is hard to contact scientist each other in both countries. Second reason is there are worries technology collaboration make an unintended development of nuclear weapon or other technologies related military. It made a concrete barrier against technology cooperation. However, technology collaboration is still a helpful instrument to development relationship between two countries except for technologies related military weapon. In this study, research and development condition of North Korea were derived using publication analysis. This study aims to find out who are major collaboration countries or institutes with North Korea in the world and which research fields are suitable for collaboration with North Korea. Here, analysis of North Korean's presence in the world's scientific literature, it could help to give some information of starting point of technological collaboration between South Korea and North Korea.

Keywords:

North Korea, R&D Cooperation, Bibliometrics