

## **The opportunities of biotechnology cluster in Szeged**

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Biotechnology has become an integral part in the development programs of many regions. From agriculture through bioproduction to the solution of the most acute problems of these days, enormous hope is arising that biotechnology will be able to answer these questions and master the towering challenges we are facing.

This paper aims to give a brief introduction of the biotechnology industry and review the cases of two minor cities comparable to Szeged, which were able to successfully establish their own biotechnology clusters. Afterwards, I am giving a brief summary of my research conducted among biotechnology firms in Szeged.

*Keywords: biotechnology, Szeged, cluster*

## **Spatiality of knowledge-intensive sectors: innovation and concentration**

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The knowledge intensive industries are playing a centralized role in nowadays “knowledge-based” or “learning-based” economy. In the developed countries they are one of the central promotional forces of economic growth – and since every industry is a several world, which is made by the knowledge of its actors and by interactions of them, and since the intensity of these interactions is spatially depending –, it is important to look at the spatial distribution of these industries.

This study aims to investigate the spatial distribution of knowledge intensive manufacturing industries and knowledge intensive services in Hungary on subregional level (LAU-1). Among others we seek to answer the question: is there any connection between geographic distribution of knowledge intensive industries and the innovativeness of them. Our study is made on basis of empirical dates of Hungarian subregions, by the help of statistical methods: of concentration and agglomeration indices.

*Keywords: innovation, knowledge-intensity, spatial concentration, agglomeration*