

## **ECONOMIC APPLICATIONS OF ION EXCHANGES IN WATER PURIFICATION TREATMENT**

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### **Abstract**

Our global economy is at a turning point. The progress in communications and technology has surpassed our imagination, yet we find ourselves facing limited natural resources that may put an end to the economic development and even, to life itself. The green economy replaces slowly, but steady the traditional one. The rules are changing. Competition is moving in a green court and only those who will show a social and ecological responsibility will survive. Water, the resource we depend on, becomes more and more polluted. Time has come to act and join forces from all areas and domains, with the sole purpose to find the best solutions. Ion exchange technology seems to be a reliable option. We believe it is a domain that will develop through future studies and research, and will be successfully implemented in many of the world's companies. The things we witness in this era are alarming, and in finding the suitable solution, we have to rely on research and inter-science collaboration.

**Key words:** green economy, sustainable development, water pollution, ion exchange

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