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**COOPERATION PROFESSOR OF KHARKIV TECHNOLOGICAL
INSTITUTE O. LIDOV AND EDITION OF BROCKHAUS & EFRON'S
ENCYCLOPEDIAS**

Summary

The scientific heritage of the Kharkiv Technological Institute outstanding chemist Alexander Lidov is examined. His chemical engineering articles in Brockhaus and Efron encyclopedias are processed. Totally 285 encyclopedic articles are summarized and systematized. The cooperation with encyclopedia's editor Dmitriy Mendeleev is outlined. Key areas of Alexander Lidov researches are determined. These are gas-oil and especially dyeing industries. The definitions of pigments, dyes, different specialized equipment and plant used in dyeing business have been introduced. Great scientist's attention to the coloring plants morphological structure is studied. Environmental problems in chemical engineering play a huge role in scientist work. That fields were studied in his major works «Wastewater bleaching, dyeing and calico printing factories purification and dehydration» (1905), «The chemical action of Nevsky water to the boiler walls» (1906), «Chemical analysis of water» (1915), etc. Due to the modern chemical environmental science achievements he has been suggested a number of innovative technologies that could be danger to human, animals and plants. After all Alexander Lidov scientific heritage analysis shown that he belongs to the founders of environmental protection science. It is also

established that one of the main area of professor's work was education of high-grade engineers. So the research shown that Professor Lidov play a significant role in the chemical technology science in the end of XIX – early XX century end assist to the environmental science formation.

Keywords: *Brockhaus & Efron Encyclopedic Dictionary, chemical technology, paintwork industry, pigment, equipment.*