

Analytical chemistry in the institutes of Kazan

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Abstract

History and methodology of analytical chemistry for the last 100-year period of development in Kazan have been discussed. Archive materials, publications, journals, personal memoirs have been used, sometimes personal estimations have been given. In the presented historical review most of the attention is devoted to the factual material, connected with coming into being and development of analytical chemistry as a whole and electro-analytical chemistry in particular in Kazan chemical engineering institute and scientific research kinophotoinstitute, analytical laboratories and research groups of which were founded by the graduates of Kazan university. Attribution of some or other works of the Kazan analysts to particular higher educational establishment or institute is conventional, since, as it has been shown by history, investigations and elaboration of ways for defining substances, as well as solution of theoretical problems, for example in designing analytical apparatus, was often performed in collaboration.

The article is an immediate supplement to the earlier published books, devoted to the 200-anniversary of Kazan university, since in the latter article, as well as in the books of jubilee issue, there are discussed the historical aspects of development of scientific schools in Kazan, first of all, on electro-analytical chemistry, electrochemistry of organic substances, and designing the appropriate apparatus. All together they constitute in a sense a visiting card of scientific Kazan in the field of electro-analytical methods. Narration is from the third person, where possible the professional terminology is preserved in memoirs of the authors. Additional information about chemists-analysts and analytical chemistry is available on the site of KSU in the Internet.