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### **Employment History:**

Center for Economic Research (Tashkent, Uzbekistan). Head technical adviser, April 2007-June 2007.

Institute of the World Bank, Joint Vienna Institute, Tashkent Regional Center. Lecturer, Market Economy and Financial Analysis.

Tashkent State Economic University, Department of Probability Theory, Docent, 1983-2004.

“PromNIIproect” Institute, Scientific Associate, 1974-1983.

### **Research Interests:**

Microeconomics, Econometric Theory, Applied Econometrics, Statistics and Probability Theory, Applied Mathematics

### **Education:**

Applied Econometric Analysis. Courses organized by the Center for Economic Research in cooperation with the World Bank. Tashkent, Uzbekistan, 19 February – 3 March, 2001.

Summer School on Capacity Building in Distance Learning. World Bank Institute. Moscow, Russia, May 29 – June 2, 2000.

Core Course on Economic Growth in Central Asia. Economic Development Institute of the World Bank. Bogazici University, Istanbul, Turkey, January 25-February 5, 1999.

Winter School'96: Advanced Course on the Economics of the Transition. Economic Development Institute of the World Bank and the IMF Institute. Washington, D.C., January 22 - February 9, 1996.

Course for lecturers of Economics of Transition. Economic Development Institute of the World Bank and the IMF Institute, Washington, D.C., July-August, 1994.

Spring School'93: Course for lecturers of Economics of the Market. Economic Development Institute of the World Bank., Washington, D.C., March-April, 1993.

Tashkent Institute of National Economy. Ph.D. (Kandidat Nauk). Dissertation: “Mathematical Methods of Economic Decisions Coordination”, 1982

Tashkent Institute of National Economy. Postgraduate Studies, 1978-1981.

Kazan State University, Department of Mathematics, Kazan, Russia, 1969-1974. MS, Applied Mathematics.

### **Honors and Awards:**

Docent, Tashkent State Economic University, 1983

Graduation from the Department of Mathematics at Kazan State University (Kazan, Russian) with distinction, 1974.

High School Graduation: Gold Medal, 1969

### **Publications:**

“Optimal constants in the Rosenthal inequality for random variables with zero odd moments” (with R. Ibragimov). *Statistics & Probability Letters*. (2007), <http://dx.doi.org/10.1016/j.spl.2007.05.018>

“Market Demand Elasticity and Income Inequality” (with R. Ibragimov). *Economic Theory* **32** (2007), <http://dx.doi.org/10.1007/s00199-006-0125-3>

“Conditions for Positive Definiteness of M-Matrices”. *Linear and Multilinear Algebra*, **48**, pp. 1-14 (2001),

<http://www.informaworld.com/smpp/content~content=a778394817~db=all~order=page>.

“A method of calculating the spectral radius of a nonnegative matrix and its applications”. *Economic Theory*, **17**, pp. 467-480 (2001).

“The contraction mapping principle and Newton method in the analysis of the problem of market equilibrium”. *Algorithms: Proceedings of the Institute of Cybernetics of the Uzbek Academy of Sciences* **86**, pp. 117-121 (1998).

“Econometric analysis and forecasting of excise tax revenue” (with Kh, Mukhitdinov). *Social Sciences in Uzbekistan* 1998, No. 8-9, pp. 43-45.

“Income inequality and market demand elasticity”. *Algorithms: Proceedings of the Institute of Cybernetics of the Uzbek Academy of Sciences* **85**, pp. 103-110 (1997).

“Microeconomics (Lecture notes)” (with G. Kazimova). Tashkent State University of Economics. Tashkent, 1997, 126 pp.

“Economic growth and income inequality in Uzbekistan” (with M. Irmatov and Kh. Mukhitdinov). *Proceedings of the International Conference on the Problems of Social Security*. Tashkent, Uzbekistan, 1999, pp. 10-12.

“Some conditions for stability of the dynamic system of market equilibrium”. *Proceedings of the International Conference on Modern Problems of Theoretical and Applied Mathematics*. Samarkand State University, Samarkand, Uzbekistan, 1997, pp. 40-44.

“Market coordination mechanism in Uzbekistan” (with A. Nazarov). *Economics and Statistics*, 1997, No. 7-8, pp. 45-49.

“Excise tax burden and its distribution between consumers and producers” (with Kh. Mukhitdinov). *Taxpayer journal*, 1987, No. 10-11, pp. 8-12.

“Disparity in income distribution in the countries of Central Asia”. Paper presented at the International Conference on Understanding the Transition in Central Asia, Macroeconomic Policy and Management Division (EDIMP), Economic Development Institute of the World Bank, June 1997, Washington, DC.

“Technical and economic conditions in the textile industry of the Uzbek SSR” (collective of authors). E. N. Beglov, Ed., Tashkent, “Mehnat”, 1989.

“On a problem of aggregation of production functions”. In: *Optimization of the development and functioning of regional economy, Proceedings of Tashkent Institute of National Economy*. No. 261, pp. 112-116 (1988).

“A problem of strict co-ordination of intra-branch and intra-district models of economy”, *Izvestiya, Academy of Sciences of the Uzbek SSR (Technical Sciences)*, No. 5, pp. 20-25 (1987).

“Minimisation of expectation losses of defect liquidation in canal construction” (with V. Shvetsov). *Economic and-mathematical problems in agriculture and applied statistical research*. Tashkent Institute of National Economy, No.245, pp.16-21 (1986).

“A method for solution of intra-branch type equations”. *Economic and-mathematical problems in agriculture and applied statistical research*. Tashkent Institute of National Economy, No.245, pp. 4-8 (1986).

“On coordination of intra-branch and intra-district models” (with K. Safaeva).. *Economic and Mathematical Methods* **22**, pp. 545-549 (1986).

“On the conditions for co-ordination of intra-branch and intra-district models of economy” (with K. Safaeva). *Izvestiya, Academy of Sciences of the Uzbek SSR (Technical Sciences)*, No.1, pp.71-74 (1983).

“Co-ordination of balance models of multi-branch complexes of economy” (with K. Safaeva). In: *Mathematical Methods in Economics, Proceedings of Tashkent Institute of National Economy*, Issue 205, pp. 3-12 (1982).

“Common fixed points of monotone operators and co-ordination of intra-district and intra-branch models”. (with K. Safaeva). In: *Mathematical Methods in Economics, Proceedings of Tashkent Institute of National Economy*, Issue 180, pp. 42-51 (1980).

“On co-ordination of the system of models of development optimization in cotton industry” (with K. Safaeva). *In: Mathematical Methods in Economics, Proceedings of Tashkent Institute of National Economy*, Issue 160, pp. 3-8 (1979).

“Methods for determining the parameters of non-elastic deformation of rock around extractions in natural conditions” (with V. Nikolaenko and A. Yusupov). *Technical Progress in Nuclear Industry (Mining Series)*, No.5(282), pp.35-40 (1983).

“Determination of optimal limit in regulation of stochastic processes in mining industry” (with Yu. Litenkov and A. Skokov). *Mining Industry. Bulletin of the Central Research Institute of Nuclear Industry, Moscow*, No. 1 (257), pp. 29-31 (1980).

“Common fixed points”. *In: “Probabilistic Methods and Cybernetics”*, Kazan State University Press, Kazan, Russia, No. 12, pp. 40-45 (1976).

#### **Recent Research Papers:**

“Modeling and forecasting income tax revenue: the case of Uzbekistan” (with R. Ibragimov and N. Sirajiddinov)

“Income distribution and market demand: the case of heterogeneous preferences” (with R. Ibragimov).

#### **Work in Progress:**

“Econometric analysis and optimization of labor tax in Uzbekistan”

“Estimation of underground economy and corruption in Uzbekistan”

#### **Professional Activities**

“The effects of foreign exchange market liberalization on the consumer price index and problems of stabilization of exchange markets in Uzbekistan” (with R. Gulyamov, Office of the President of the Republic of Uzbekistan, N. Sirajiddinov, Center for Economic Research, F. Salikhova, Center for Economic Research, R. Safargaev, the Ministry of Macroeconomics, and E. Elfimova, the Ministry of Macroeconomics), Technical Report, Center for Economic Research, Tashkent, Uzbekistan, 2000.

“Export and import in Uzbekistan” (with R. Gulyamov, Office of the President of the Republic of Uzbekistan, N. Sirajiddinov, Center for Economic Research, and R. Safargaev, the Ministry of Macroeconomics), Technical Report, Center for Economic Research, Tashkent, Uzbekistan, 1999.

“The effects of foreign exchange policy on structural reorganization in Uzbek economy” (with N. Sirajiddinov, Center for Economic Research, M. Ochilov, the Ministry of Macroeconomics, and A. Alimov, the Ministry of Macroeconomics), Technical Report, Center for Economic Research, Tashkent, Uzbekistan, 1998.

“Development of econometric models of forecasting and analysis of functioning of Uzbek economy in transition period” (collective of authors), Technical Report, the State Committee for Science and Technology of the Republic of Uzbekistan, 1997.