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### **Professional experiences and activities**

- Since 2007: Professor of biochemistry and food technology at biotechnology, biochemistry, plant physiology chair of Al-Farabi Kazakh National University (Kazakhstan).
- Since 2007: Leader of "Food security" laboratory in Ltd Antigen, Almaty (Kazakhstan).
- 2010: Local expert for FAO "Camel breeding, protection and improvement centre" in the Kingdom of Saudi Arabia UTF/SAU/021/SAU project in Camel and Range Research Centre of Ministry of Agriculture, Al-Jouf (Kingdom of Saudi Arabia).
- 2011: Vice-dean of biotechnology and biology faculty of Al-Farabi University
- 2012: Local expert for FAO "Camel breeding, protection and improvement centre" in the Kingdom of Saudi Arabia UTF/SAU/021/SAU project in Camel and Range Research Centre of Ministry of Agriculture, Al-Jouf (Kingdom of Saudi Arabia).
- 2013: Local expert for FAO "Improvement of research for sustainable development of camel production in the Kingdom of Saudi Arabia" UTF/SAU/044/SAU project in Conservation and Genetic Improvement Centre of Ministry of Agriculture, Al-Kharj (Kingdom of Saudi Arabia).

### **Scientific projects – management and participation**

1. Leader of project "Developing the Scientific and Methodical bases of evaluation of Heavy Metals, pesticides and Radio-nuclides in the chain of Soil-Water-Pasture Plants-Camel Milk of different regions of Kazakhstan" for 2008-2010 from Ministry of Education and Science Kazakhstan
2. Leader of project "Improvement of the technology and development of the rules for national products from the camel milk according to FAO and FIL/IDF requirements" for 2008-2010 from Ministry of Agriculture of Kazakhstan
3. Leader of project "Development and creation of new dietetic fermented -milk drinks on the basis of camel milk" for 2009-2010 from Ministry of Agriculture of Kazakhstan
4. Participant of project "Organization of training «Implementation of international ISO-methods and *Codex Alimentarius* to quality control and safety of milk and milk products" for 2009-2010 from Ministry of Agriculture of Kazakhstan
5. Participant of FAO project "Camel breeding, protection and improvement centre in the Kingdom of Saudi Arabia" UTF/SAU/021/SAU in 2010-2012 from Ministry of Agriculture of Saudi Arabia
6. Leader of project "Starters for manufacturers of national fermented milk products" for 2012-2015 from World Bank and Ministry of Education and Science of Kazakhstan
7. Participant of FAO project "Improvement of research for sustainable development of camel production in the Kingdom of Saudi Arabia" UTF/SAU/044/SAU in 2012-2016 from Ministry of Agriculture of Saudi Arabia
8. Leader of project "Proteomic investigation of camel milk" for 2015-2017 from
9. Participant of project "Investigation technological properties of starter lactic acid bacteria and yeasts for production national fermented milk beverages" for 2015-2017 from Ministry of Education and Science of Kazakhstan

### **Scientific expertise, training and organization of international workshops and conferences**

- Organization of the Franco-Kazakh seminar on "Camel milk sector: practical role of the scientific cooperation" at Almaty (Kazakhstan). Scientific editor of the proceedings. June 5-6, 2006, Almaty, Kazakhstan
- Critical analysis of studies on camel milk composition and valorisation of camel Lf at Institute of Arid Lands Médénine (Tunisia) – March 2007
- Co-organization of the NATO-CIRAD-Academy of Nutrition-Al-Farabi university international workshop on "Impact of pollution on animal products" September 2007 at Almaty (Kazakhstan) – Proceedings published by Springer Publ. (B. Faye and Y. Sinyavskiy Eds, 2008, 205 p.)
- Co-organization of the International conference on "Biotechnology, nanotechnology and physico-chemical biology" for granting of 70th anniversary of department of biotechnology, biochemistry, plant physiology of Kazakh National University Al-Farabi, January 2008, Almaty, Kazakhstan.
- Two professional training for technical staff of dairy plant from Issyk – "Food Master Company" (actual Lactalic Group), February 9-13 and April 15-16 2009 in Almaty (Kazakhstan)
- Lecture for FAO workshop on "Transboundary diseases in camel" with topic "Camel applied immunology", Djerba (Tunisia), March 9-11 2009.
- Teaching as foreign professor for Master students of SupAGRO-Montpellier (France), November 1-30, 2009.
- Professional training of technical staff of SUT Company (from Lactalic Group), March 4-5, 2010, Pavlodar (Kazakhstan)

- Expertise of lab activities in veterinarian laboratory of Camel and Range Research Center – Al-Jouf (Kingdom of Saudi Arabia), December 2010.
- Lecture at FAO workshop on development of camel in North Africa, 6-12 October 2013, Nouakchott, Mauritania.
- Lecture at workshop “The dromedary camel as a domestic producing animal” October 28, 2013, University of Bari, Italy.
- Trainer at Practical workshop on Camel cheese making in April 13-17, 2014, Al-Kharj, Saudi Arabia.
- Expertise of grant projects and programs open call 2015-2017 as Member of National Scientific Committee of Ministry of Education and Science of Kazakhstan. Meeting January 2015, Astana, Kazakhstan.
- Expertise of Final report of projects and programs 2012-2015 as Member of National Scientific Committee of Ministry of Education and Science of Kazakhstan. Meeting February 2015, Almaty, Kazakhstan
- Organization of the 4<sup>th</sup> International conference ISOCARD, Almaty (chairman of the Organizing and Scientific Committee)